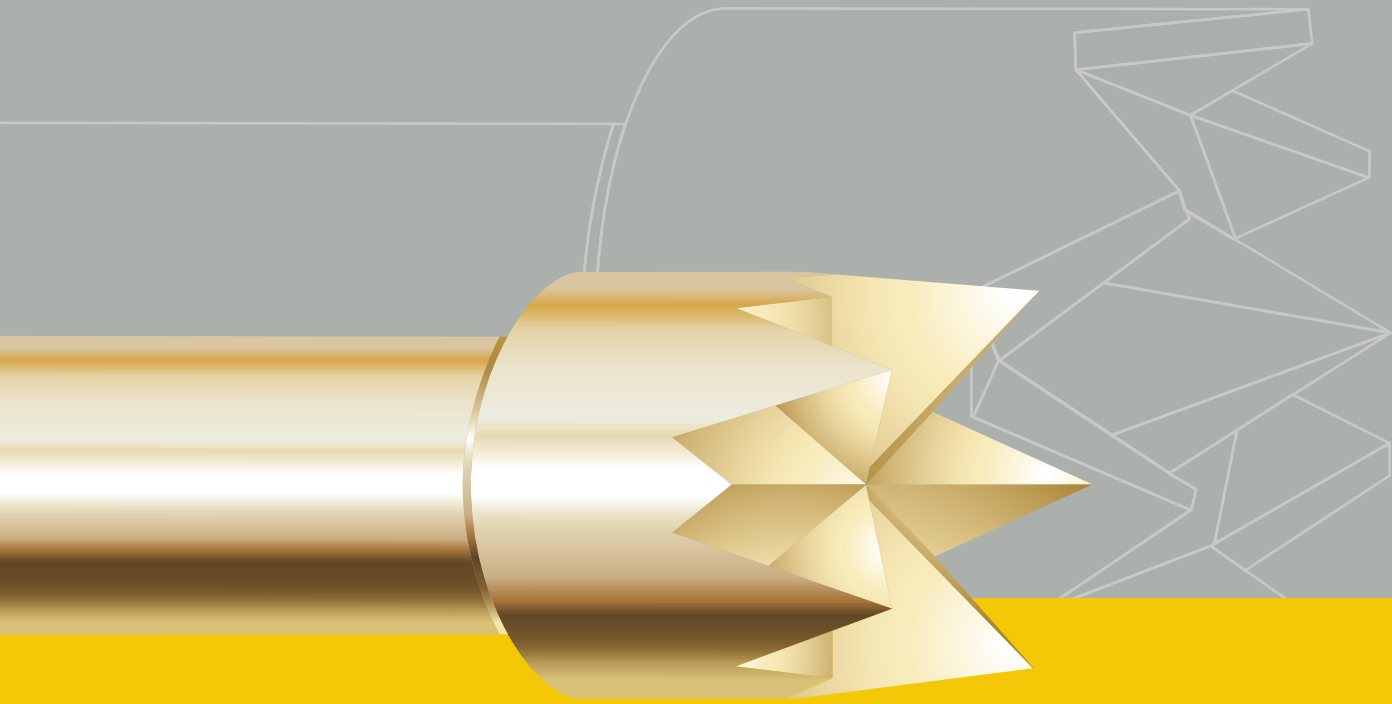


# MAUTECKK

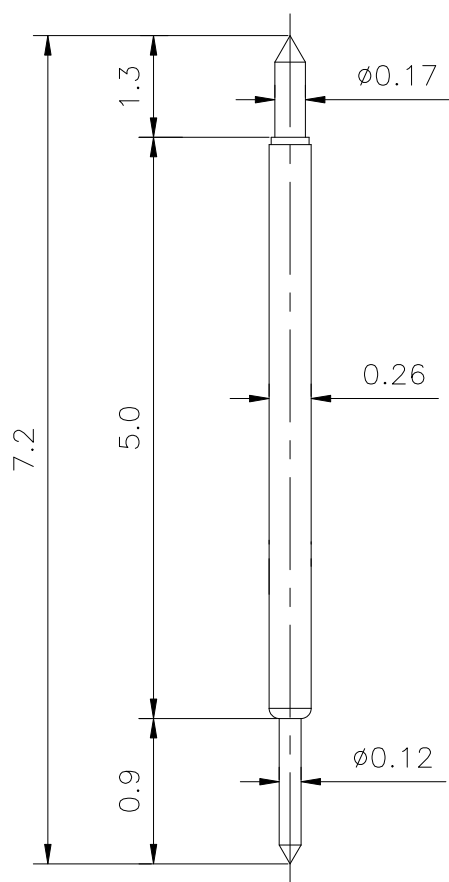


20  
YEARS EXPERIENCE

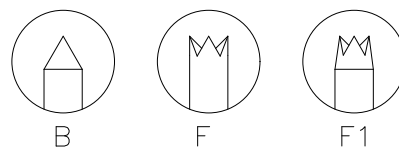
**Precision Test Probes & Pogo Pin Solutions**



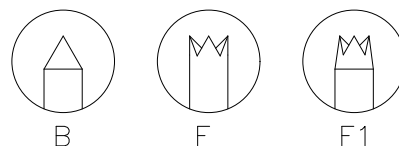
## **Double-headed single-action**



Top Tip Style (Fixed)



Bottom Tip Style



■ Mechanical

Pitch: 0.35mm

Recommended travel: 0.7mm

Full travel: 0.9mm

Spring force: 20g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 2Amps

Resistance: Less than 100mΩ

|          |      |      |              |                |                    |
|----------|------|------|--------------|----------------|--------------------|
|          | Name | Date | Description: | Scale:         |                    |
| Drawn    |      |      |              |                |                    |
| Approved |      |      |              |                |                    |
| Checked  |      |      |              |                |                    |
| TEX      |      |      | Part NO.:    | TEX026-X-X-7.2 | Index: Size:<br>A4 |

A

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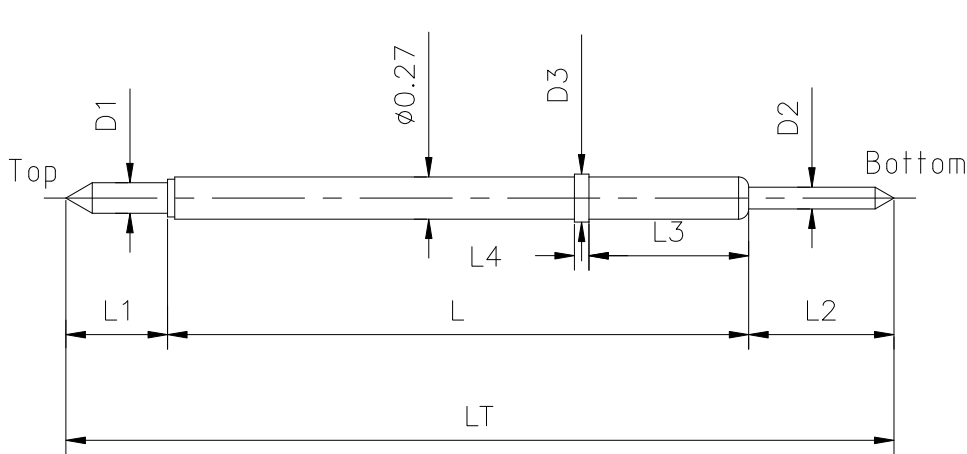
A

B

C

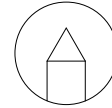
D

E

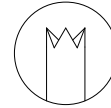


Top Tip Style (Fixed)

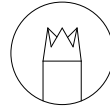
Bottom Tip Style



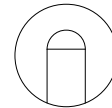
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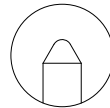
F



F1



D



E

| Model          | Plunger<br>Diameter<br>1<br>(mm) | Plunger<br>Diameter<br>2<br>(mm) | Plunger<br>Diameter<br>3<br>(mm) | Plunger<br>Length<br>1<br>(mm) | Plunger<br>Length<br>2<br>(mm) | Plunger<br>Length<br>3<br>(mm) | Plunger<br>Length<br>4<br>(mm) | Total<br>Length<br>(mm) | Full<br>Stroke<br>(mm) | Rated<br>Stroke<br>(mm) | Spring<br>Force<br>(gf) | Contact<br>Resistance<br>(mΩ) |     |
|----------------|----------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------------|-----|
| TEX027-X-X-2.1 | 0.26                             | 0.12                             | 0.33                             | 0.20                           | 1.45                           | 0.45                           | 0.35                           | 0.15                    | 2.10                   | 0.40                    | 0.30                    | 18                            | <80 |
| TEX027-X-X-3.0 | 0.26                             | 0.13                             | 0.31                             | 0.20                           | 2.30                           | 0.50                           | 0.70                           | 0.20                    | 3.00                   | 0.50                    | 0.35                    | 23                            | <80 |

■ Mechanical

Pitch: 0.5mm

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

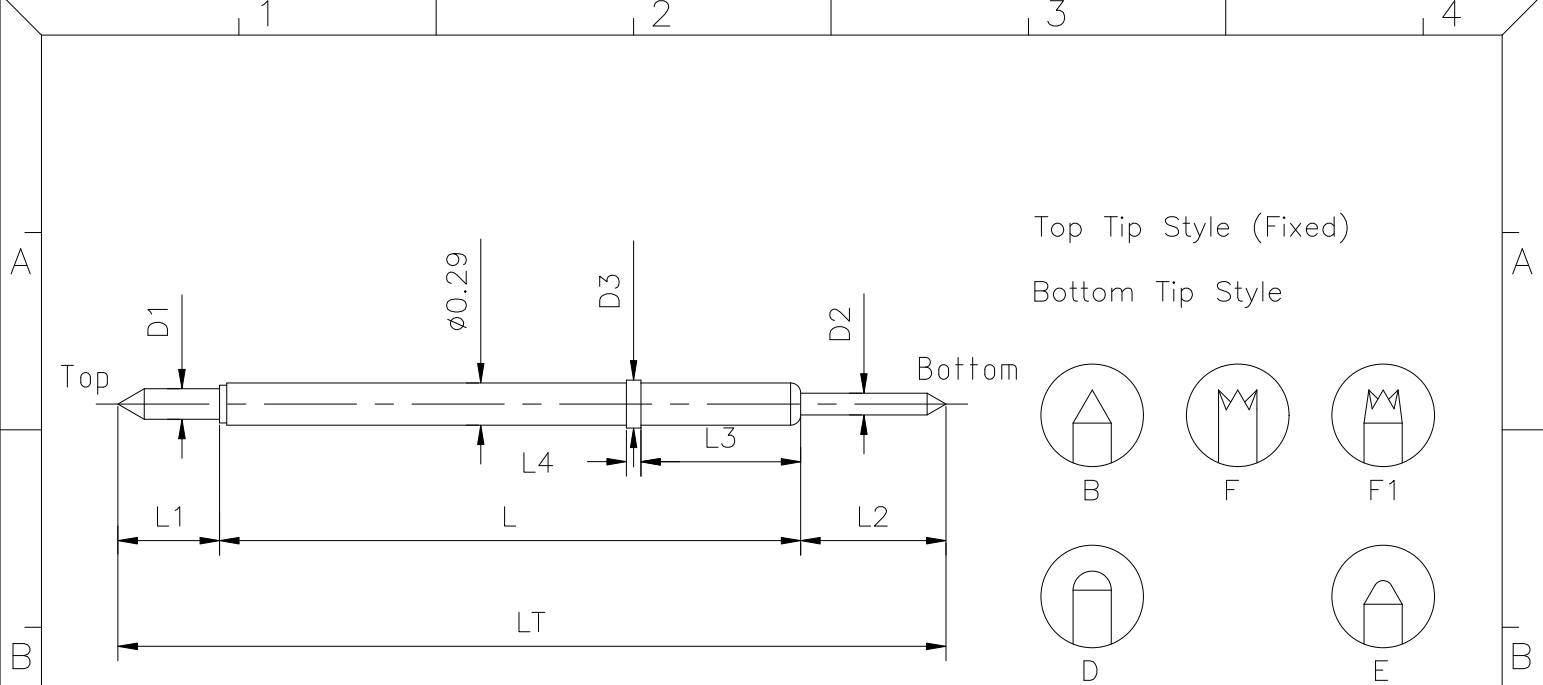
Barrel: Ph, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 2Amps

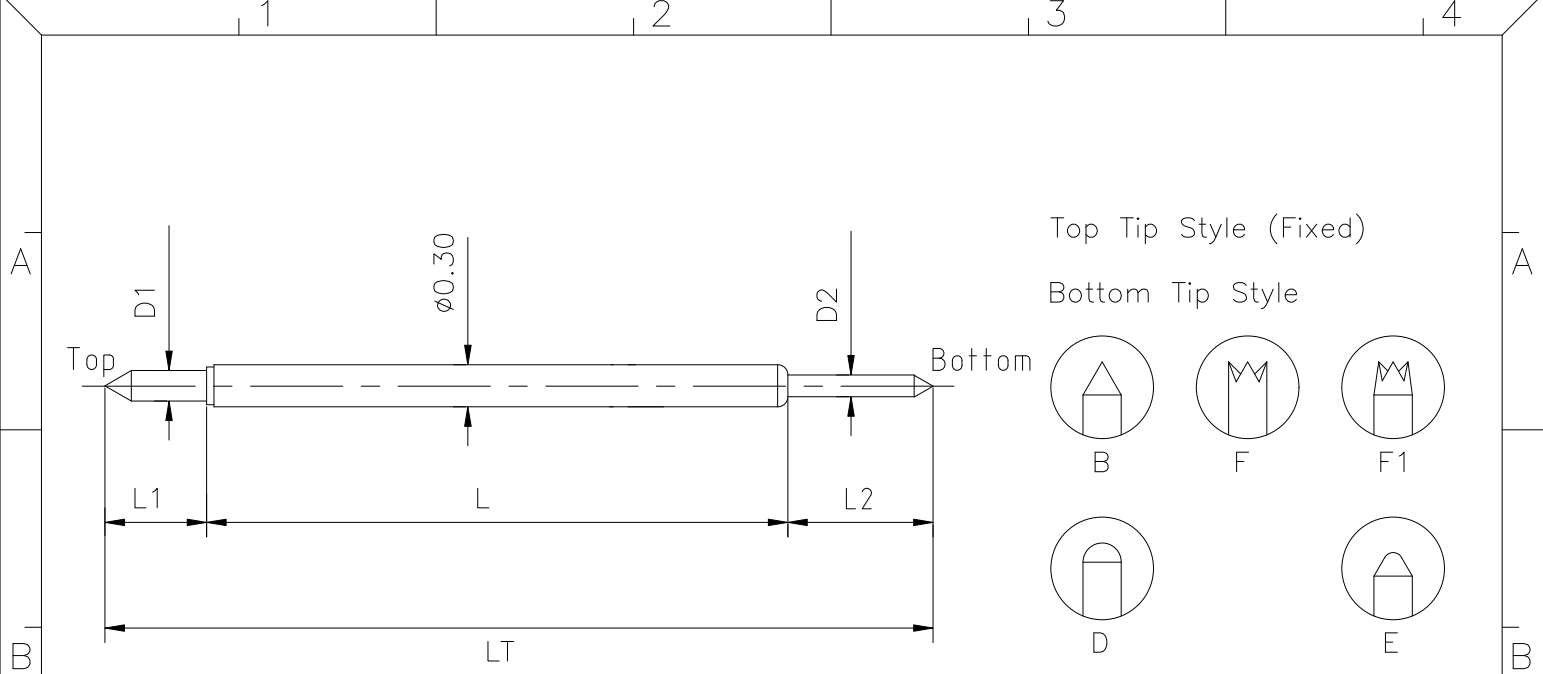
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX027-X-X-Series | Index: | Size: A4 |



| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Diameter 3 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Plunger Length 3 (mm) | Plunger Length 4 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|-------------------|-------------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX029-X-X-5.7    | 0.28                    | 0.15                    | 0.33                    | 0.80                  | 3.90                | 1.00                  | 1.10                  | 0.10                  | 5.70              | 1.00             | 0.65              | 14                | <100                    |
| TEX029-X-X-7.2-28 | 0.22                    | 0.15                    | 0.34                    | 0.75                  | 5.35                | 1.10                  | 0.80                  | 0.10                  | 7.20              | 0.90             | 0.70              | 28                | <100                    |
| TEX029-X-X-7.2-32 | 0.22                    | 0.15                    | 0.34                    | 0.75                  | 5.35                | 1.10                  | 0.80                  | 0.10                  | 7.20              | 0.90             | 0.70              | 32                | <100                    |
| TEX029-X-X-7.45   | 0.22                    | 0.15                    | 0.34                    | 1.00                  | 5.35                | 1.10                  | 0.80                  | 0.10                  | 7.45              | 1.10             | 0.70              | 32                | <100                    |

- Mechanical  
Pitch: 0.5mm
- Material and plating  
Top Plunger: SK4/BeCu, Gold plated; PD, No plated  
Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated  
Barrel: Ph, Gold plated  
Spring: SWP/SUS, Gold plated
- Electrical Specifications  
Current Rating: 2Amps

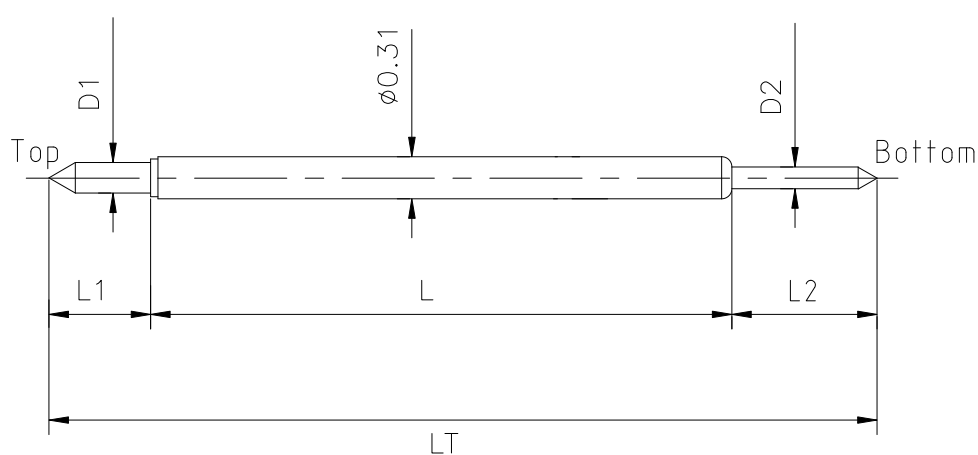
|          |      |      |                                |        |             |
|----------|------|------|--------------------------------|--------|-------------|
|          | Name | Date | Description:                   | Scale: |             |
| Drawn    |      |      |                                |        |             |
| Approved |      |      |                                |        |             |
| Checked  |      |      |                                |        |             |
| TEX      |      |      | Part NO.:<br>TEX029-X-X-Series | Index: | Size:<br>A4 |



| Model          | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m $\Omega$ ) |
|----------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|----------------------------------|
| TEX030-X-X-2.4 | 0.15                    | 0.15                    | 0.45                  | 1.55                | 0.40                  | 2.40              | 0.40             | 0.30              | 28                | <80                              |
| TEX030-X-X-3.3 | 0.20                    | 0.15                    | 0.70                  | 2.00                | 0.60                  | 3.30              | 0.50             | 0.40              | 17                | <80                              |

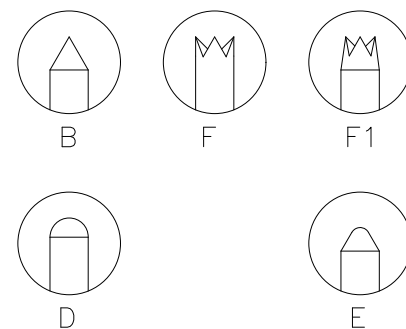
- Mechanical
  - Pitch: 0.4mm
- Material and plating
  - Top Plunger: SK4/BeCU, Gold plated; PD, No plated
  - Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated
  - Barrel: Ph/SP, Gold plated
  - Spring: SWP/SUS, Gold plated
- Electrical Specifications
  - Current Rating: 3Amps

|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX030-X-X-Series | Index: | Size: A4 |



Top Tip Style (Fixed)

Bottom Tip Style



| Model          | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|----------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX031-X-X-2.8 | 0.18                    | 0.16                    | 0.55                  | 1.80                | 0.50                  | 2.85              | 0.50             | 0.35              | 22                | <80                     |
| TEX031-X-X-3.2 | 0.20                    | 0.16                    | 0.50                  | 2.20                | 0.60                  | 3.30              | 0.55             | 0.40              | 30                | <80                     |
| TEX031-X-X-3.3 | 0.19                    | 0.15                    | 0.70                  | 2.00                | 0.60                  | 3.30              | 0.60             | 0.35              | 28                | <80                     |
| TEX031-X-X-3.4 | 0.20                    | 0.16                    | 0.60                  | 2.10                | 0.65                  | 3.35              | 0.55             | 0.40              | 18                | <80                     |

■ Mechanical

Pitch: 0.4mm

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

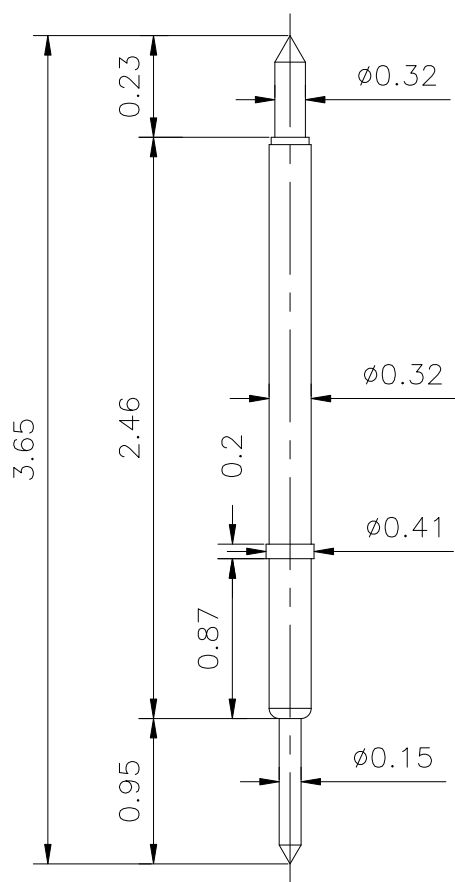
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

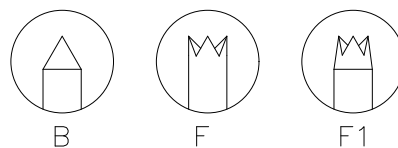
■ Electrical Specifications

Current Rating: 3Amps

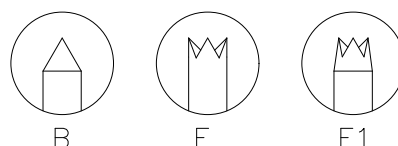
|          |      |      |              |                   |        |          |
|----------|------|------|--------------|-------------------|--------|----------|
|          | Name | Date | Description: | Scale:            |        |          |
| Drawn    |      |      |              |                   |        |          |
| Approved |      |      |              |                   |        |          |
| Checked  |      |      |              |                   |        |          |
| TEX      |      |      | Part NO.:    | TEX031-X-X-Series | Index: | Size: A4 |



Top Tip Style (Fixed)



Bottom Tip Style



■ Mechanical

Pitch: 0.5mm

Recommended travel: 0.4mm

Full travel: 0.55mm

Spring force: 20g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph, Gold plated

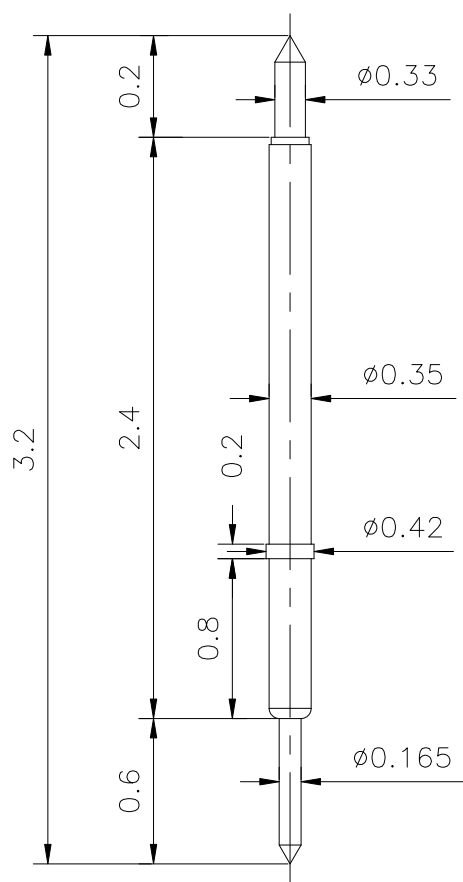
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

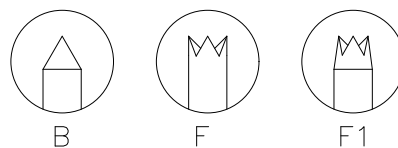
Current Rating: 3Amps

Resistance: Less than 80mΩ

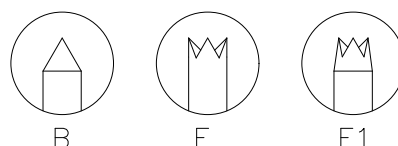
|                                                         |      |      |                           |        |          |
|---------------------------------------------------------|------|------|---------------------------|--------|----------|
| <div>Drawn</div> <div>Approved</div> <div>Checked</div> | Name | Date | Description:              | Scale: |          |
|                                                         |      |      |                           |        |          |
|                                                         |      |      |                           |        |          |
|                                                         |      |      |                           |        |          |
| TEX                                                     |      |      | Part NO.: TEX032-X-X-3.65 | Index: | Size: A4 |



Top Tip Style (Fixed)



Bottom Tip Style



■ Mechanical

Pitch: 0.6mm

Recommended travel: 0.35mm

Full travel: 0.5mm

Spring force: 15g±20% at recommended travel

26g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 3Amps

Resistance: Less than 80mΩ

Name

Date

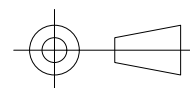
Description:

Drawn

Approved

Checked

Scale:



TEX

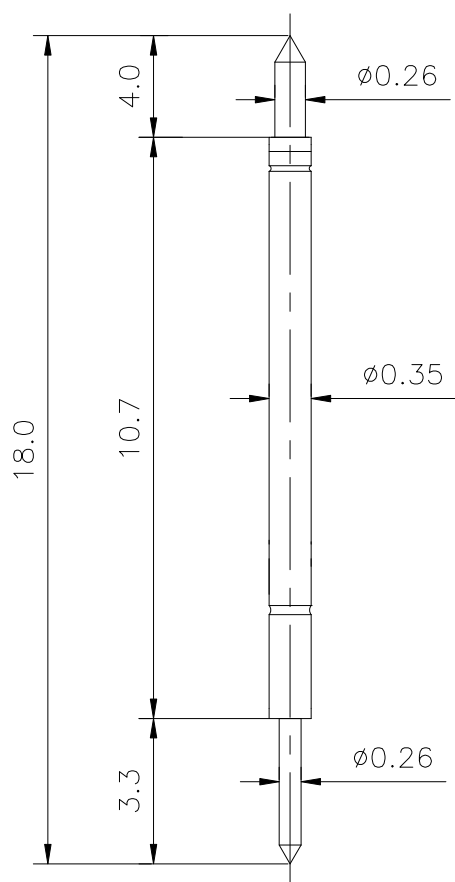
Part NO.:

TEX035-X-X-3.2

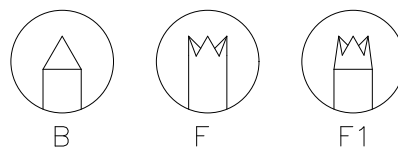
Index:

Size:

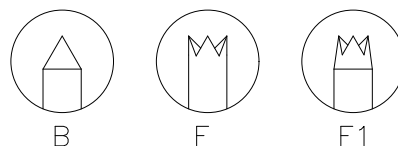
A4



Top Tip Style (Fixed)



Bottom Tip Style



■ Mechanical

Pitch: 0.5mm

Recommended travel: 1.0mm

Full travel: 1.5mm

Spring force:  $38g \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 3Amps

Resistance: Less than  $150m\Omega$

Name Date

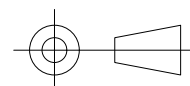
Description:

Scale:

Drawn

Approved

Checked



TEX

Part NO.:

TEX035-X-X-18.0

Index:

Size:

A4

A

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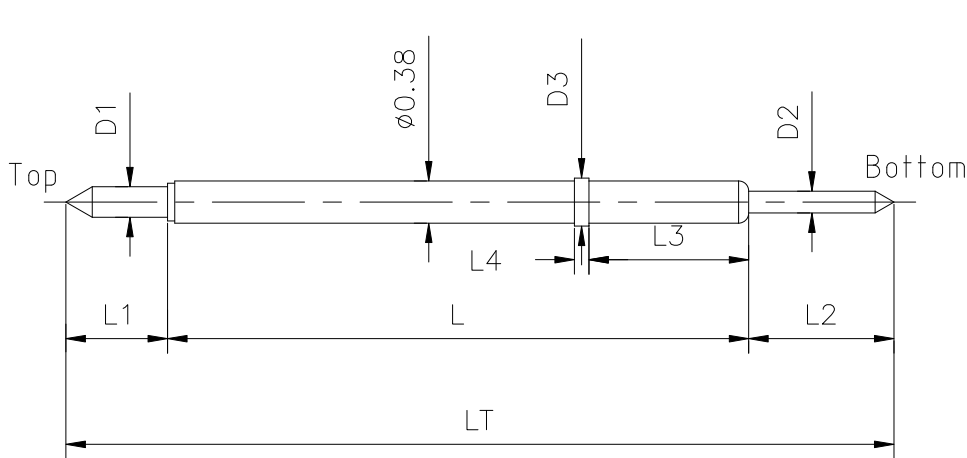
A

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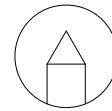
D

E

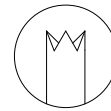


Top Tip Style (Fixed)

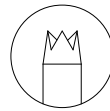
Bottom Tip Style



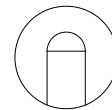
B



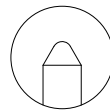
F



F1



D



E

| Model          | Plunger<br>Diameter<br>1<br>(mm) | Plunger<br>Diameter<br>2<br>(mm) | Plunger<br>Diameter<br>3<br>(mm) | Plunger<br>Length<br>1<br>(mm) | Plunger<br>Length<br>2<br>(mm) | Plunger<br>Length<br>3<br>(mm) | Plunger<br>Length<br>4<br>(mm) | Total<br>Length<br>(mm) | Full<br>Stroke<br>(mm) | Rated<br>Stroke<br>(mm) | Spring<br>Force<br>(gf) | Contact<br>Resistance<br>(mΩ) |      |
|----------------|----------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------------|------|
| TEX038-X-X-5.7 | 0.22                             | 0.22                             | 0.42                             | 1.30                           | 3.85                           | 0.60                           | 0.38                           | 0.12                    | 5.75                   | 0.60                    | 0.45                    | 65                            | <100 |
| TEX038-X-X-7.4 | 0.22                             | 0.18                             | 0.44                             | 1.10                           | 5.10                           | 1.22                           | 0.97                           | 0.14                    | 7.42                   | 1.05                    | 0.80                    | 20                            | <100 |

■ Mechanical

Pitch: 0.6mm

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

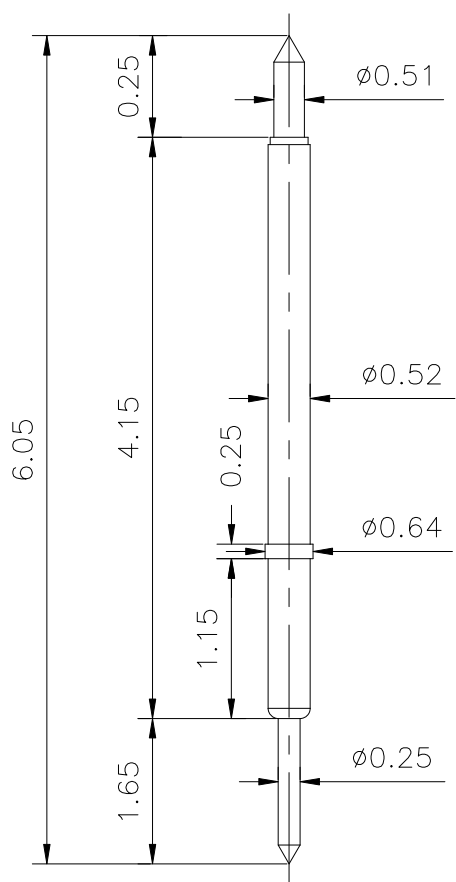
Barrel: Ph, Gold plated

Spring: SWP/SUS, Gold plated

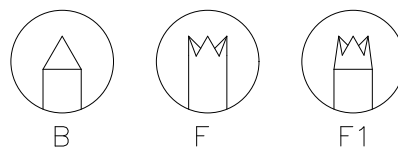
■ Electrical Specifications

Current Rating: 3Amps

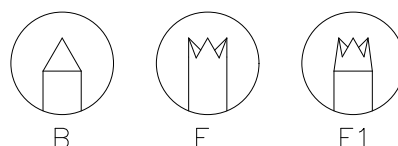
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX038-X-X-Series | Index: | Size: A4 |



Top Tip Style (Fixed)



Bottom Tip Style



■ Mechanical

Pitch: 0.8mm

Recommended travel: 0.96mm

Full travel: 1.1mm

Spring force: 45g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 3.5Amps

Resistance: Less than 100mΩ

|          |      |      |                          |        |          |
|----------|------|------|--------------------------|--------|----------|
|          | Name | Date | Description:             | Scale: |          |
| Drawn    |      |      |                          |        |          |
| Approved |      |      |                          |        |          |
| Checked  |      |      |                          |        |          |
| TEX      |      |      | Part NO.: TEX052-X-X-6.1 | Index: | Size: A4 |

A

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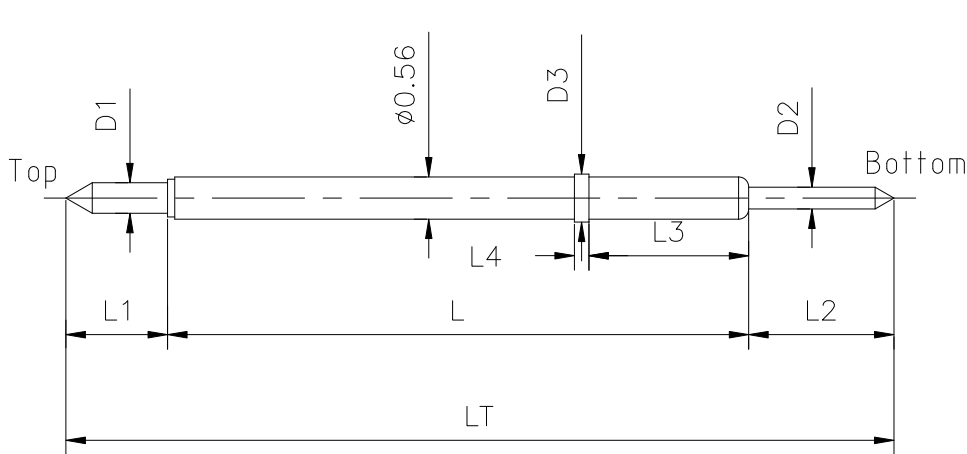
A

B

C

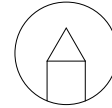
D

E

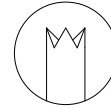


Top Tip Style (Fixed)

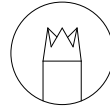
Bottom Tip Style



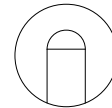
B



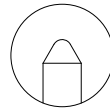
F



F1



D



E

| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Diameter 3 (mm) | Plunger Length 1 (mm) | Plunger Length 2 (mm) | Plunger Length 3 (mm) | Plunger Length 4 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m $\Omega$ ) |
|-------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------|------------------|-------------------|-------------------|----------------------------------|
| TEX056-X-X-3.0-40 | 0.55                    | 0.30                    | 0.63                    | 0.30                  | 2.00                  | 0.70                  | 0.85                  | 3.00              | 0.75             | 0.55              | 40                | <80                              |
| TEX056-X-X-3.0-42 | 0.54                    | 0.30                    | 0.63                    | 0.30                  | 2.00                  | 0.70                  | 0.92                  | 3.00              | 0.65             | 0.50              | 42                | <80                              |

■ Mechanical

Pitch: 0.9mm

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

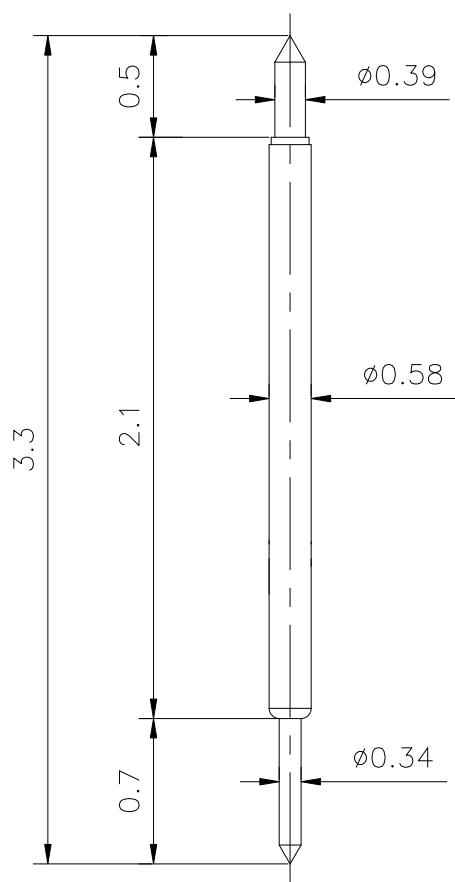
Barrel: Ph, Gold plated

Spring: SWP/SUS, Gold plated

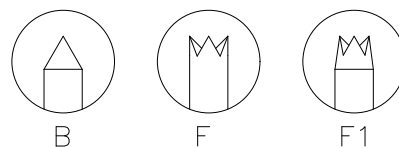
■ Electrical Specifications

Current Rating: 3.5Amps

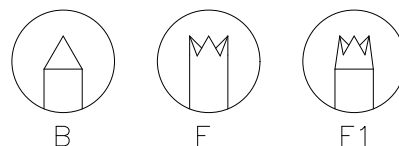
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX056-X-X-Series | Index: | Size: A4 |



Top Tip Style (Fixed)



Bottom Tip Style



■ Mechanical

Pitch: 0.7mm

Recommended travel: 0.45mm

Full travel: 0.7mm

Spring force: 23g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

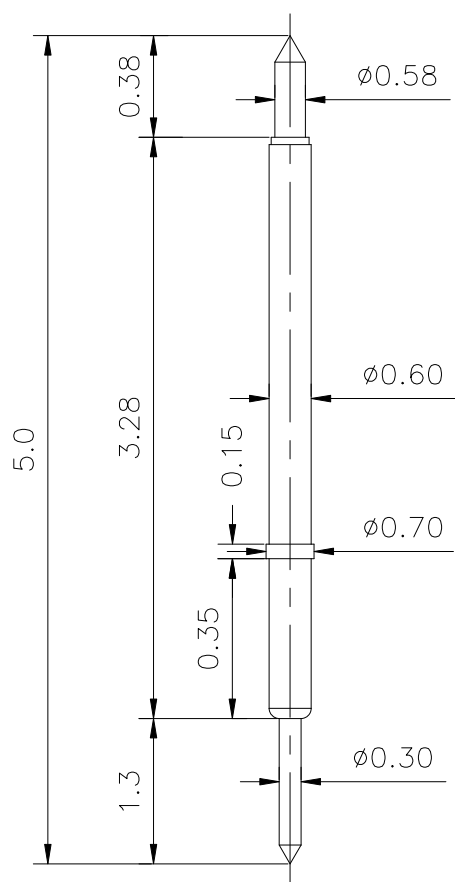
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

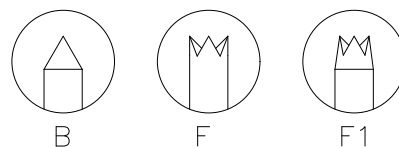
Current Rating: 3.5Amps

Resistance: Less than 80mΩ

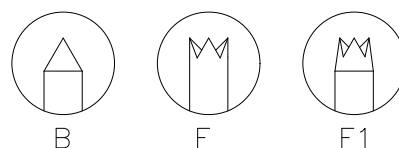
|          |      |      |                          |        |          |
|----------|------|------|--------------------------|--------|----------|
|          | Name | Date | Description:             | Scale: |          |
| Drawn    |      |      |                          |        |          |
| Approved |      |      |                          |        |          |
| Checked  |      |      |                          |        |          |
| TEX      |      |      | Part NO.: TEX058-X-X-3.3 | Index: | Size: A4 |



Top Tip Style (Fixed)



Bottom Tip Style



■ Mechanical

Pitch: 0.9mm

Recommended travel: 0.8mm

Full travel: 1.1mm

Spring force:  $30g \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 4Amps

Resistance: Less than  $100m\Omega$

Name Date

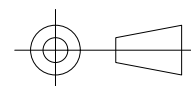
Description:

Scale:

Drawn

Approved

Checked



TEX

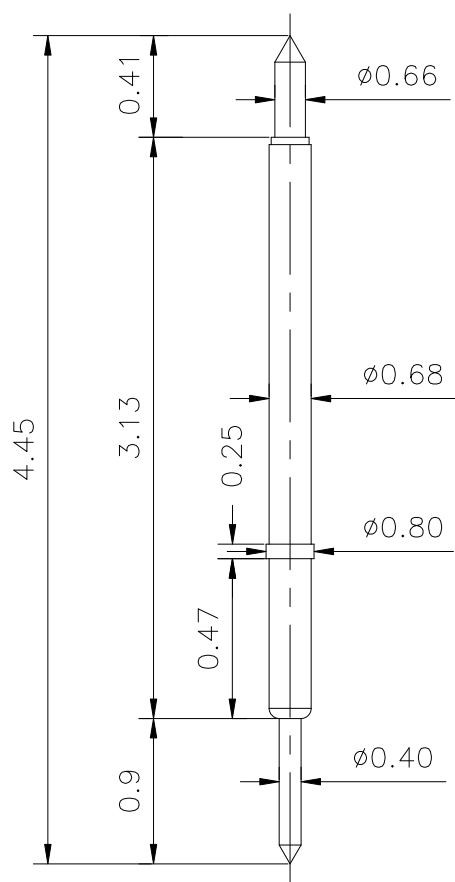
Part NO.:

TEX060-X-X-5.0

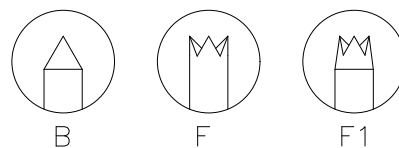
Index:

Size:

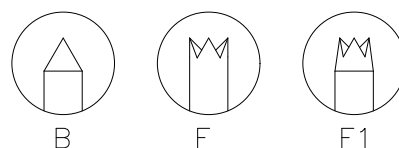
A4



Top Tip Style (Fixed)



Bottom Tip Style



■ Mechanical

Pitch: 0.9mm

Recommended travel: 0.65mm

Full travel: 0.9mm

Spring force: 40g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph, Gold plated

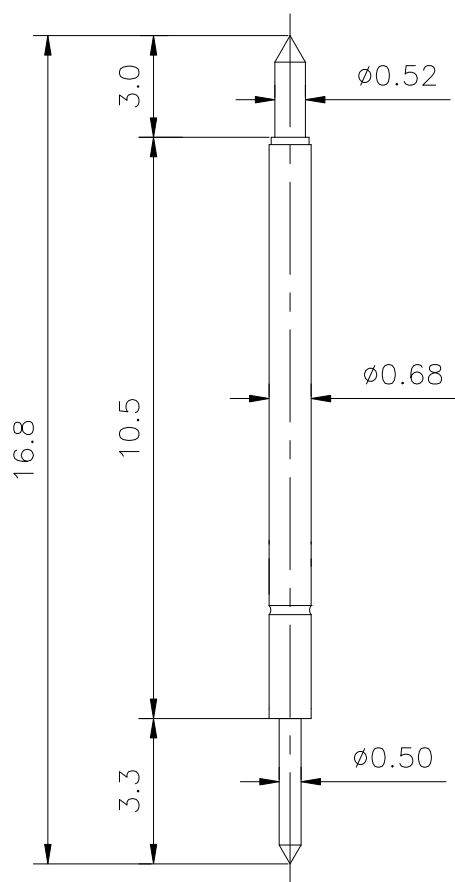
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

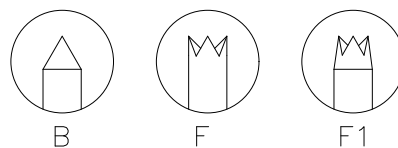
Current Rating: 4Amps

Resistance: Less than 80mΩ

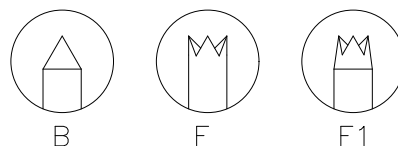
|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX068-X-X-4.45 | Index: | Size: A4 |



Top Tip Style (Fixed)



Bottom Tip Style



■ Mechanical

Pitch: 0.9mm

Recommended travel: 2.2mm

Full travel: 2.55mm

Spring force: 130g $\pm$ 20% at recommended travel

160g $\pm$ 20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

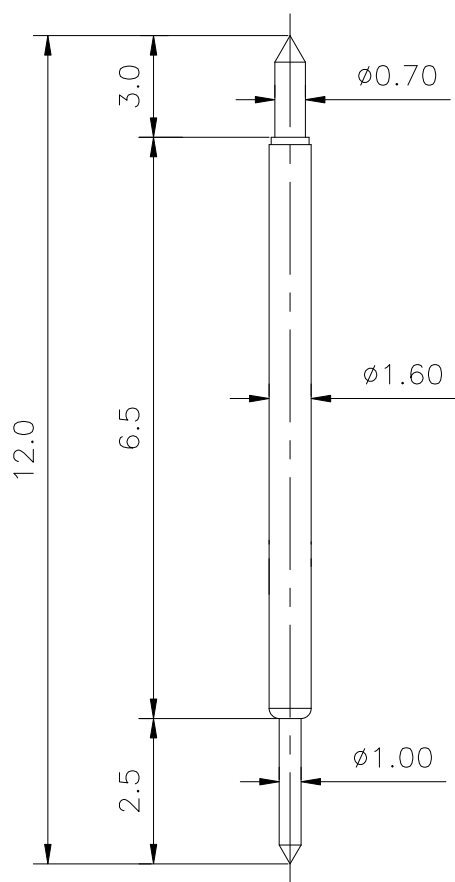
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

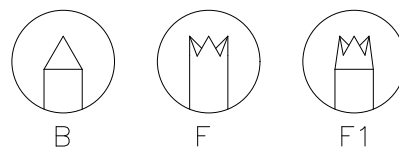
Current Rating: 4Amps

Resistance: Less than 150m $\Omega$

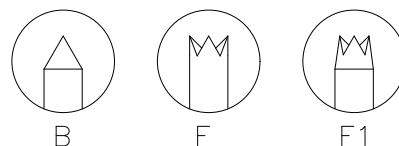
|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX068-X-X-16.8 | Index: | Size: A4 |



Top Tip Style (Fixed)



Bottom Tip Style



■ Mechanical

Pitch: 2.0mm

Recommended travel: 1.8mm

Full travel: 2.5mm

Spring force: 28g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated

Bottom Plunger: SK4/BeCu, Gold plated

Barrel: Ph, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

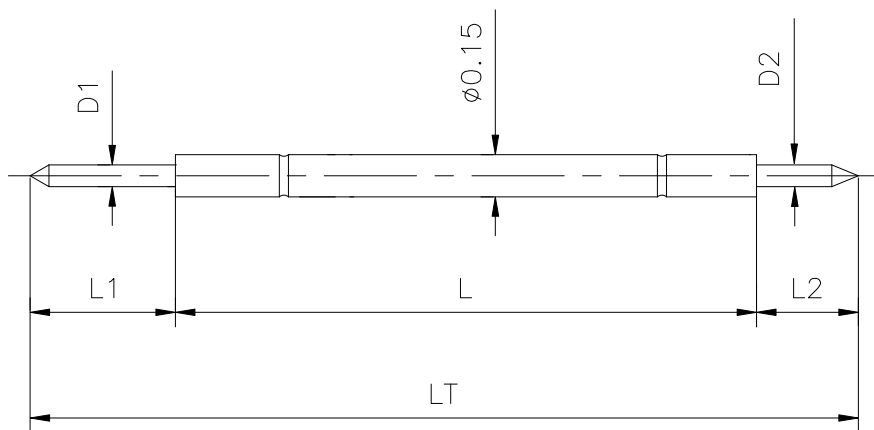
Current Rating: 5Amps

Resistance: Less than 150mΩ

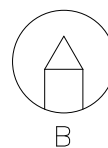
|          |      |      |                           |                 |
|----------|------|------|---------------------------|-----------------|
|          | Name | Date | Description:              | Scale:          |
| Drawn    |      |      |                           |                 |
| Approved |      |      |                           |                 |
| Checked  |      |      |                           |                 |
| TEX      |      |      | Part NO.: TEX160-X-X-12.0 | Index: Size: A4 |



## **Double-headed double-action**



Tip Style



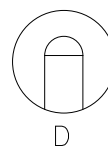
B



F



F1



D



E

| Model          | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|----------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX015-X-X-5.2 | 0.101                   | 0.101                   | 1.3                   | 3.5                 | 0.4                   | 5.2               | 0.55             | 0.4               | 8                 | <100                    |
| TEX015-X-X-5.7 | 0.090                   | 0.090                   | 1.1                   | 4.0                 | 0.6                   | 5.7               | 0.80             | 0.6               | 9                 | <100                    |

■ Mechanical

Pitch: 0.25mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

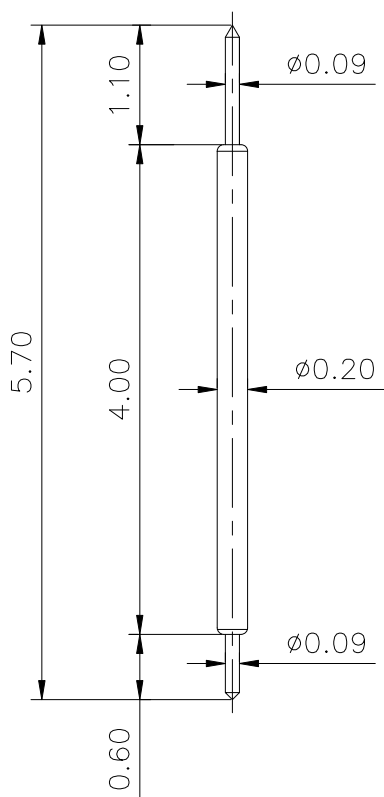
Barrel: SP, Gold plated

Spring: SWP/SUS, Gold plated

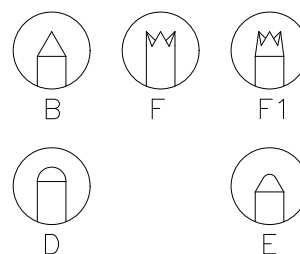
■ Electrical Specifications

Current Rating: 0.5Amps

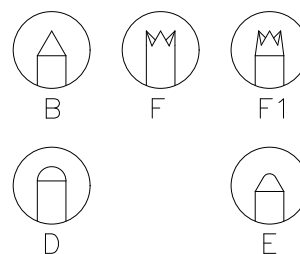
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX015-X-X-Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.3mm

Recommended travel: 0.6mm

Full travel: 1.10mm

Spring force:  $12 \pm 20\%$  at recommended travel

$21 \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

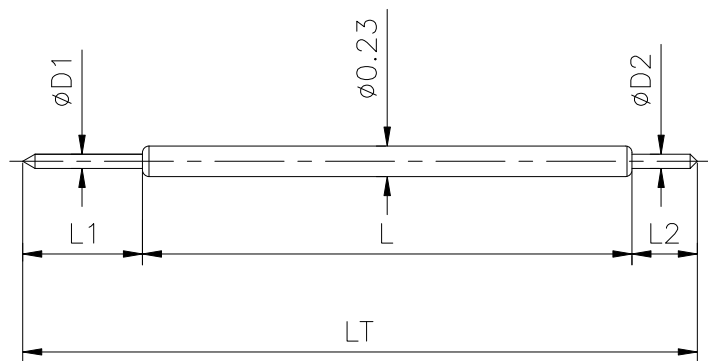
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

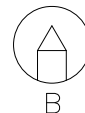
Current Rating: 1Amps

Resistance: Less than  $150\text{m}\Omega$

|                |      |      |                                 |        |             |
|----------------|------|------|---------------------------------|--------|-------------|
|                | Name | Date | Description:                    | Scale: |             |
| Drawn          |      |      |                                 |        |             |
| Approved       |      |      |                                 |        |             |
| Checked        |      |      |                                 |        |             |
| <div>TEX</div> |      |      | Part NO.: <b>TEX020-X-X-5.7</b> | Index: | Size:<br>A4 |



Tip Style



B



F



F1



D



E

| Model           | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length 2 (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|-----------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX023-X-X-6.7  | 0.12                    | 0.12                    | 1.1                   | 4.5                   | 1.10                  | 6.70              | 1.0              | 0.6               | 20                | <100                    |
| TEX023-X-X-7.15 | 0.11                    | 0.11                    | 1.2                   | 5.4                   | 1.25                  | 7.15              | 1.5              | 1.0               | 30                | <100                    |

■ Mechanical

Pitch: 0.35mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

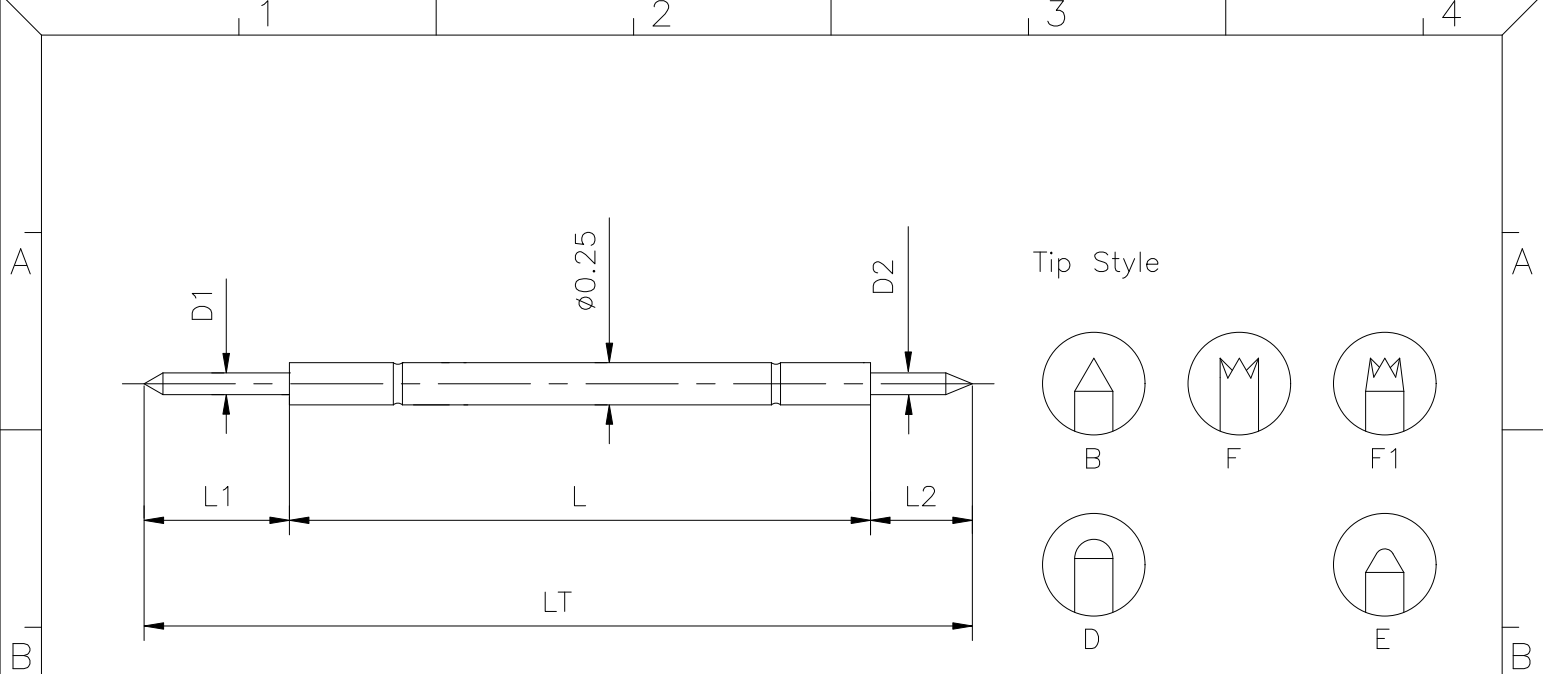
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 1Amps

|          |      |      |              |                   |        |       |
|----------|------|------|--------------|-------------------|--------|-------|
|          | Name | Date | Description: | Scale:            |        |       |
| Drawn    |      |      |              |                   |        |       |
| Approved |      |      |              |                   |        |       |
| Checked  |      |      |              |                   |        |       |
| TEX      |      |      | Part NO.:    | TEX023-X-X-Series | Index: | Size: |
|          |      |      |              |                   |        | A4    |



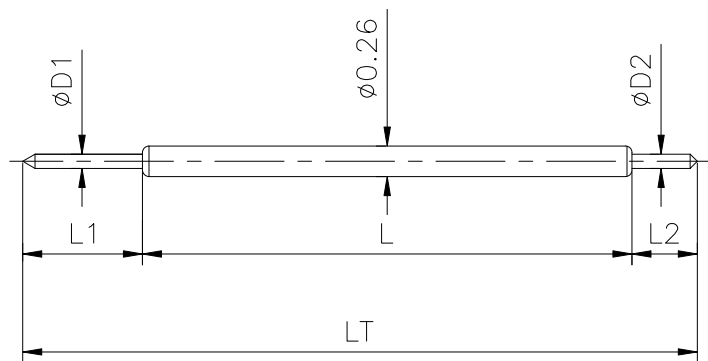
| Model               | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|---------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX025-X-X-12.32-7  | 0.13                    | 0.13                    | 1.1                   | 10.12               | 1.1                   | 12.32             | 2.2              | 1.30              | 7                 | <150                    |
| TEX025-X-X-12.32-12 | 0.13                    | 0.13                    | 1.1                   | 10.12               | 1.1                   | 12.32             | 1.9              | 1.25              | 12                | <150                    |
| TEX025-X-X-13.5     | 0.14                    | 0.14                    | 2.0                   | 11.00               | 0.5                   | 13.50             | 1.5              | 1.00              | 12                | <150                    |

- Mechanical
- Pitch: 0.35mm
- Material and plating
- Plunger 1: SK4/BeCU, Gold plated; PD, No plated
- Plunger 2: SK4/BeCu, Gold plated; PD, No plated
- Barrel: Ph/SP, Gold plated
- Spring: SWP/SUS, Gold plated
- Electrical Specifications
- Current Rating: 2Amps

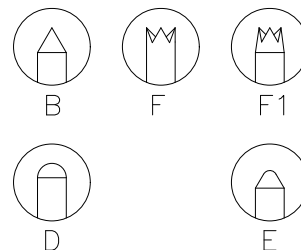
E

|          |      |      |                             |                 |
|----------|------|------|-----------------------------|-----------------|
|          | Name | Date | Description:                | Scale:          |
| Drawn    |      |      |                             |                 |
| Approved |      |      |                             |                 |
| Checked  |      |      |                             |                 |
| TEX      |      |      | Part NO.: TEX025-X-X-Series | Index: Size: A4 |

E



Tip Style



| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m Ω) |
|-------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|--------------------------|
| TEX026-X-X-5.7-10 | 0.11                    | 0.11                    | 1.1                   | 4.0                 | 0.6                   | 5.7               | 1.10             | 0.65              | 10                | <100                     |
| TEX026-X-X-5.7-14 | 0.11                    | 0.11                    | 1.1                   | 4.0                 | 0.6                   | 5.7               | 1.10             | 0.65              | 14                | <100                     |
| TEX026-X-X-6.2    | 0.12                    | 0.12                    | 1.6                   | 4.0                 | 0.6                   | 6.2               | 0.75             | 0.50              | 21                | <100                     |
| TEX026-X-X-6.7-21 | 0.13                    | 0.13                    | 1.2                   | 5.0                 | 0.5                   | 6.7               | 0.95             | 0.60              | 21                | <100                     |
| TEX026-X-X-6.7-30 | 0.13                    | 0.13                    | 1.2                   | 5.0                 | 0.5                   | 6.7               | 0.95             | 0.60              | 30                | <100                     |
| TEX026-X-X-7.6    | 0.13                    | 0.13                    | 1.5                   | 5.6                 | 0.5                   | 7.6               | 1.10             | 0.65              | 21                | <100                     |

■ Mechanical

Pitch: 0.35mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

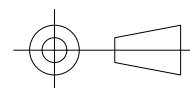
Barrel: Ph/SP, Gold plated

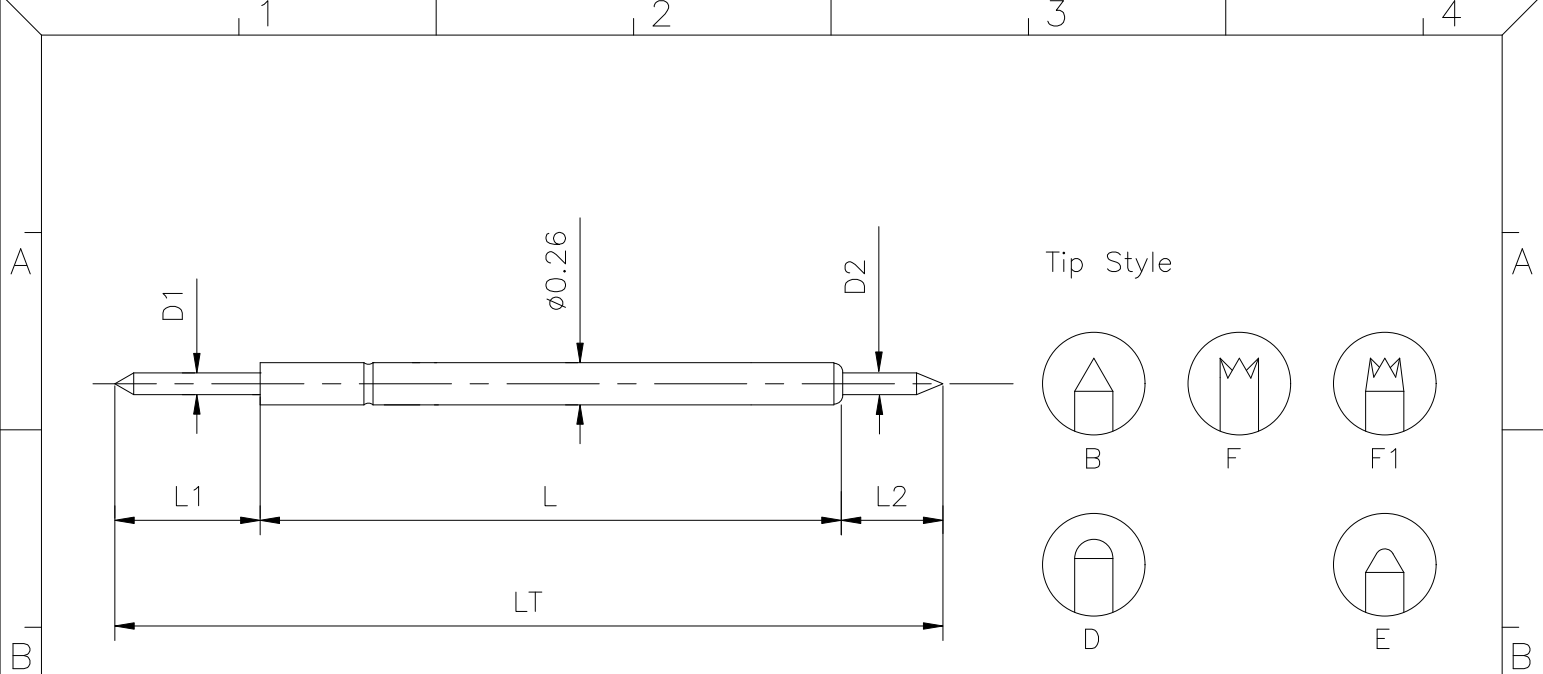
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 2Amps

|          |      |      |              |                    |        |       |
|----------|------|------|--------------|--------------------|--------|-------|
|          | Name | Date | Description: | Scale:             |        |       |
| Drawn    |      |      |              |                    |        |       |
| Approved |      |      |              |                    |        |       |
| Checked  |      |      |              |                    |        |       |
| TEX      |      |      | Part NO.:    | TEX026-X-X-1Series | Index: | Size: |
|          |      |      |              |                    |        | A4    |

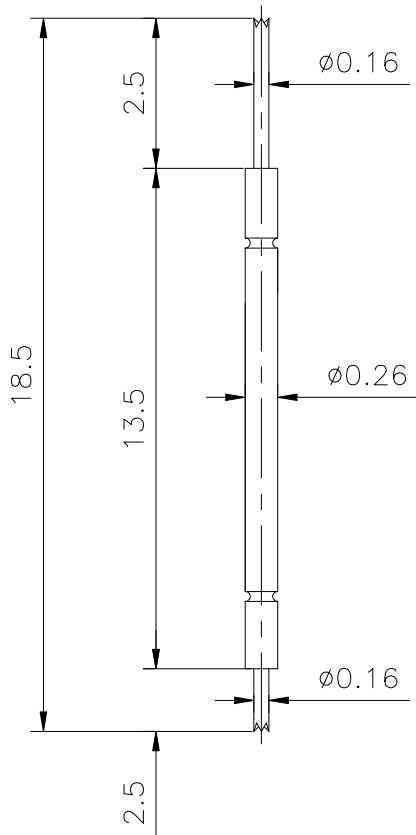




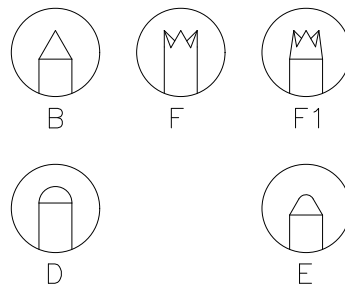
| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|-------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX026-X-X-5.3    | 0.17                    | 0.12                    | 0.8                   | 4.0                 | 0.5                   | 5.3               | 0.5              | 0.5               | 21                | <100                    |
| TEX026-X-X-5.7-16 | 0.17                    | 0.12                    | 1.2                   | 4.0                 | 0.5                   | 5.7               | 1.1              | 0.7               | 16                | <100                    |
| TEX026-X-X-5.7-21 | 0.17                    | 0.12                    | 1.2                   | 4.0                 | 0.5                   | 5.7               | 1.1              | 0.8               | 21                | <100                    |
| TEX026-X-X-7.1    | 0.13                    | 0.13                    | 1.5                   | 5.0                 | 0.6                   | 7.1               | 1.2              | 0.8               | 20                | <100                    |

- Mechanical  
Pitch: 0.35mm
- Material and plating  
Plunger 1: SK4/BeCu, Gold plated; PD, No plated  
Plunger 2: SK4/BeCu, Gold plated; PD, No plated  
Barrel: Ph/SP, Gold plated  
Spring: SWP/SUS, Gold plated
- Electrical Specifications  
Current Rating: 2Amps

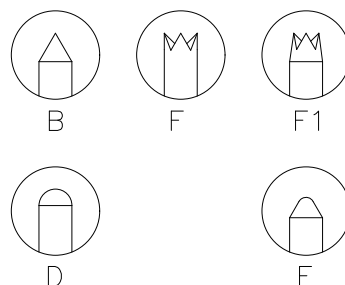
|          |      |      |                              |        |          |
|----------|------|------|------------------------------|--------|----------|
|          | Name | Date | Description:                 | Scale: |          |
| Drawn    |      |      |                              |        |          |
| Approved |      |      |                              |        |          |
| Checked  |      |      |                              |        |          |
| TEX      |      |      | Part NO.: TEX026-X-X-2Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.35mm

Recommended travel: 1.6mm

Full travel: 2.5mm

Spring force: 20g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

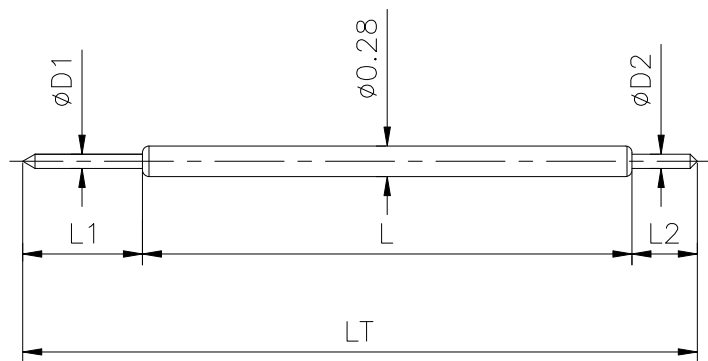
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

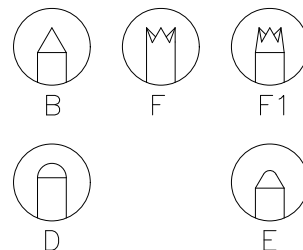
Current Rating: 2Amps

Resistance: Less than 150mΩ

|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX026-X-X-18.5 | Index: | Size: A4 |



Tip Style



| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|-------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX028-X-X-4      | 0.13                    | 0.13                    | 0.80                  | 2.80                | 0.40                  | 4.00              | 0.80             | 0.50              | 25                | <80                     |
| TEX028-X-X-5.7-5  | 0.14                    | 0.14                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.70              | 5                 | <100                    |
| TEX028-X-X-5.7-10 | 0.14                    | 0.14                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.70              | 10                | <100                    |
| TEX028-X-X-5.7-20 | 0.14                    | 0.14                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.70              | 20                | <100                    |
| TEX028-X-X-5.7-30 | 0.14                    | 0.14                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.70              | 30                | <100                    |
| TEX028-X-X-5.7-40 | 0.14                    | 0.14                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.70              | 40                | <100                    |
| TEX028-X-X-5.84   | 0.125                   | 0.125                   | 1.17                  | 4.00                | 0.67                  | 5.84              | 1.10             | 0.70              | 20                | <100                    |
| TEX028-X-X-6      | 0.14                    | 0.14                    | 0.90                  | 4.50                | 0.60                  | 6.00              | 1.00             | 0.60              | 15                | <100                    |
| TEX028-X-X-6.1    | 0.12                    | 0.12                    | 1.50                  | 4.00                | 0.60                  | 6.10              | 1.10             | 0.80              | 17                | <100                    |
| TEX028-X-X-6.2    | 0.14                    | 0.14                    | 1.10                  | 4.50                | 0.60                  | 6.20              | 1.00             | 0.60              | 15                | <100                    |
| TEX028-X-X-7.62   | 0.15                    | 0.15                    | 1.52                  | 5.59                | 0.51                  | 7.62              | 1.05             | 0.63              | 28                | <100                    |

■ Mechanical

Pitch: 0.4mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

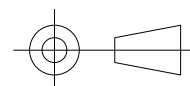
Barrel: Ph/SP, Gold plated

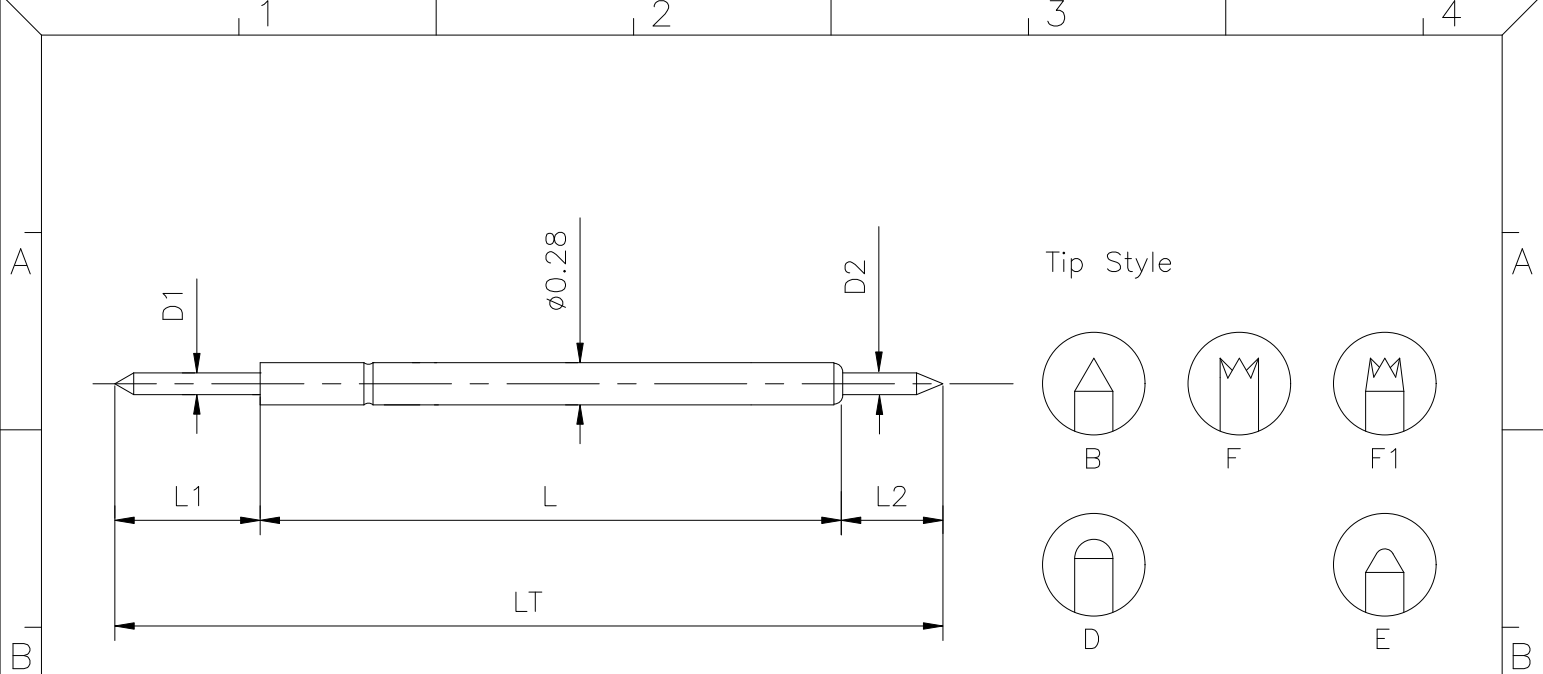
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 2Amps

|          |      |      |              |                    |        |       |
|----------|------|------|--------------|--------------------|--------|-------|
|          | Name | Date | Description: | Scale:             |        |       |
| Drawn    |      |      |              |                    |        |       |
| Approved |      |      |              |                    |        |       |
| Checked  |      |      |              |                    |        |       |
| TEX      |      |      | Part NO.:    | TEX028-X-X-1Series | Index: | Size: |
|          |      |      |              |                    |        | A4    |

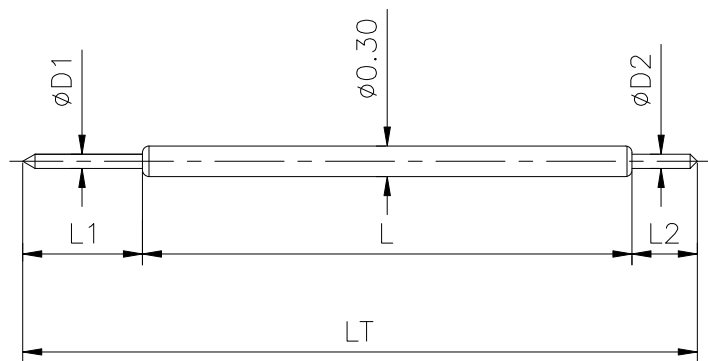




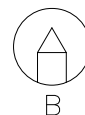
| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m $\Omega$ ) |
|-------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|----------------------------------|
| TEX028-X-X-6.7-12 | 0.18                    | 0.13                    | 1.15                  | 5.0                 | 0.50                  | 6.65              | 1.00             | 0.8               | 12                | <100                             |
| TEX028-X-X-6.7-18 | 0.18                    | 0.13                    | 1.15                  | 5.0                 | 0.50                  | 6.65              | 1.00             | 0.8               | 18                | <100                             |
| TEX028-X-X-7.6    | 0.17                    | 0.14                    | 1.55                  | 5.5                 | 0.55                  | 7.60              | 1.05             | 0.7               | 25                | <100                             |

- Mechanical  
Pitch: 0.4mm
- Material and plating  
Plunger 1: SK4/BeCu, Gold plated; PD, No plated  
Plunger 2: SK4/BeCu, Gold plated; PD, No plated  
Barrel: Ph/SP, Gold plated  
Spring: SWP/SUS, Gold plated
- Electrical Specifications  
Current Rating: 2Amps

|          |      |      |                              |        |          |
|----------|------|------|------------------------------|--------|----------|
|          | Name | Date | Description:                 | Scale: |          |
| Drawn    |      |      |                              |        |          |
| Approved |      |      |                              |        |          |
| Checked  |      |      |                              |        |          |
| TEX      |      |      | Part NO.: TEX028-X-X-2Series | Index: | Size: A4 |



Tip Style



B



F



F1



D



E

| Model              | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m $\Omega$ ) |
|--------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|----------------------------------|
| TEX030-X-X-4.75    | 0.16                    | 0.16                    | 1.10                  | 3.20                | 0.45                  | 4.75              | 0.90             | 0.65              | 25                | <80                              |
| TEX030-X-X-5.7     | 0.15                    | 0.15                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.65              | 10                | <100                             |
| TEX030-X-X-6.7     | 0.15                    | 0.15                    | 1.20                  | 5.00                | 0.50                  | 6.70              | 1.10             | 0.70              | 26                | <100                             |
| TEX030-X-X-7.7-11  | 0.15                    | 0.15                    | 1.60                  | 5.60                | 0.50                  | 7.70              | 1.50             | 1.00              | 11                | <100                             |
| TEX030-X-X-7.7-20  | 0.15                    | 0.15                    | 1.60                  | 5.60                | 0.50                  | 7.70              | 1.50             | 1.00              | 20                | <100                             |
| TEX030-X-X-7.7-30  | 0.15                    | 0.15                    | 1.60                  | 5.60                | 0.50                  | 7.70              | 1.50             | 1.00              | 30                | <100                             |
| TEX030-X-X-8.85-10 | 0.15                    | 0.15                    | 1.50                  | 6.35                | 1.00                  | 8.85              | 2.00             | 0.85              | 10                | <100                             |
| TEX030-X-X-8.85-20 | 0.15                    | 0.15                    | 1.50                  | 6.35                | 1.00                  | 8.85              | 2.00             | 0.85              | 20                | <100                             |
| TEX030-X-X-8.85-30 | 0.15                    | 0.15                    | 1.50                  | 6.35                | 1.00                  | 8.85              | 2.00             | 0.85              | 30                | <100                             |
| TEX030-X-X-9.85    | 0.15                    | 0.15                    | 2.00                  | 6.35                | 1.50                  | 9.85              | 1.30             | 0.80              | 10                | <150                             |

■ Mechanical

Pitch: 0.4mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

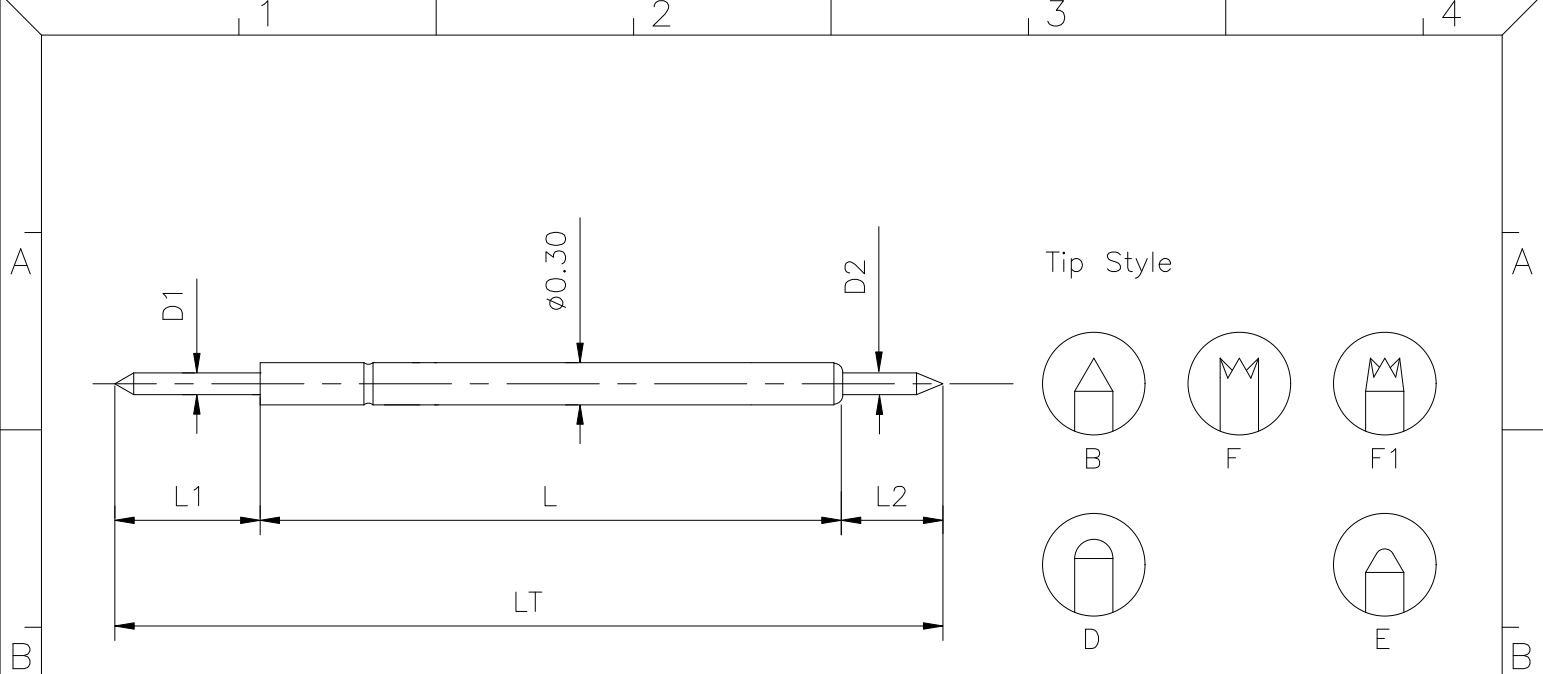
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 3Amps

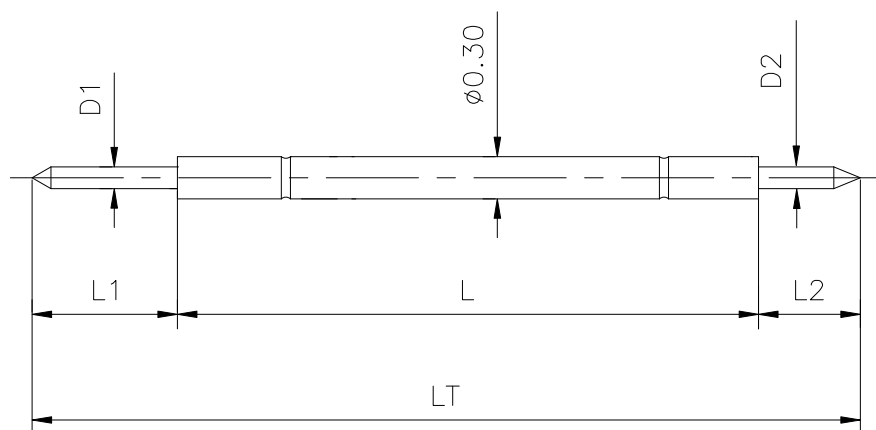
|          |      |      |                              |        |          |
|----------|------|------|------------------------------|--------|----------|
|          | Name | Date | Description:                 | Scale: |          |
| Drawn    |      |      |                              |        |          |
| Approved |      |      |                              |        |          |
| Checked  |      |      |                              |        |          |
| TEX      |      |      | Part NO.: TEX030-X-X-1Series | Index: | Size: A4 |



| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m $\Omega$ ) |
|-------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|----------------------------------|
| TEX030-X-X-6.7-17 | 0.18                    | 0.15                    | 1.2                   | 5.0                 | 0.5                   | 6.7               | 1.0              | 0.8               | 17                | <100                             |
| TEX030-X-X-6.7-25 | 0.18                    | 0.15                    | 1.2                   | 5.0                 | 0.5                   | 6.7               | 1.0              | 0.8               | 25                | <100                             |
| TEX030-X-X-7.8    | 0.20                    | 0.14                    | 1.0                   | 6.3                 | 0.5                   | 7.8               | 1.5              | 0.8               | 10                | <100                             |

- Mechanical  
Pitch: 0.4mm
- Material and plating  
Plunger 1: SK4/BeCU, Gold plated; PD, No plated  
Plunger 2: SK4/BeCu, Gold plated; PD, No plated  
Barrel: Ph/SP, Gold plated  
Spring: SWP/SUS, Gold plated
- Electrical Specifications  
Current Rating: 3Amps

|          |      |      |                              |        |          |
|----------|------|------|------------------------------|--------|----------|
|          | Name | Date | Description:                 | Scale: |          |
| Drawn    |      |      |                              |        |          |
| Approved |      |      |                              |        |          |
| Checked  |      |      |                              |        |          |
| TEX      |      |      | Part NO.: TEX030-X-X-2Series | Index: | Size: A4 |



B



F



F1



D



F

| Model              | Plunger<br>Diameter<br>1<br>(mm) | Plunger<br>Diameter<br>2<br>(mm) | Plunger<br>Length<br>1<br>(mm) | Plunger<br>Length<br>(mm) | Plunger<br>Length<br>2<br>(mm) | Total<br>Length<br>(mm) | Full<br>Stroke<br>(mm) | Rated<br>Stroke<br>(mm) | Spring<br>Force<br>(gf) | Contact<br>Resistance<br>(m Ω) |
|--------------------|----------------------------------|----------------------------------|--------------------------------|---------------------------|--------------------------------|-------------------------|------------------------|-------------------------|-------------------------|--------------------------------|
| TEX030-X-X-12.3-10 | 0.21                             | 0.21                             | 1.1                            | 10.1                      | 1.1                            | 12.3                    | 2.2                    | 1.0                     | 10                      | <150                           |
| TEX030-X-X-12.3-30 | 0.21                             | 0.21                             | 1.1                            | 10.1                      | 1.1                            | 12.3                    | 2.2                    | 1.0                     | 30                      | <150                           |
| TEX030-X-X-14.5-14 | 0.20                             | 0.20                             | 3.0                            | 11.0                      | 0.5                            | 14.5                    | 2.0                    | 1.3                     | 14                      | <150                           |
| TEX030-X-X-14.5-22 | 0.20                             | 0.20                             | 3.0                            | 11.0                      | 0.5                            | 14.5                    | 2.0                    | 1.3                     | 22                      | <150                           |
| TEX030-X-X-14.5-28 | 0.20                             | 0.20                             | 3.0                            | 11.0                      | 0.5                            | 14.5                    | 2.0                    | 1.3                     | 28                      | <150                           |

■ Mechanical

Pitch: 0.4mm

## ■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

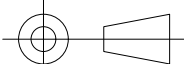
Plunger 2: SK4/BeCu, Gold plated; PD, No plated

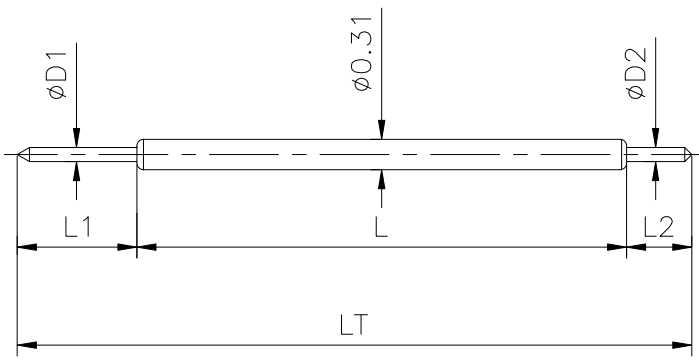
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

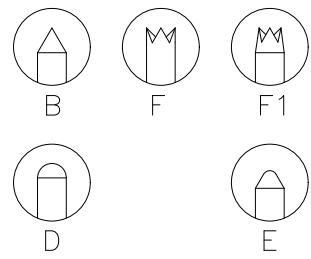
## ■ Electrical Specifications

Current Rating: 3Amps

|                |      |      |                                     |                                                                                       |             |
|----------------|------|------|-------------------------------------|---------------------------------------------------------------------------------------|-------------|
|                | Name | Date | Description:                        | Scale:                                                                                |             |
| Drawn          |      |      |                                     |  |             |
| Approved       |      |      |                                     |                                                                                       |             |
| Checked        |      |      |                                     |                                                                                       |             |
| <div>TEX</div> |      |      | Part NO.: <b>TEX030-X-X-3Series</b> | Index:                                                                                | Size:<br>A4 |



Tip Style



| Model              | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|--------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX031-X-X-3.3-11  | 0.15                    | 0.15                    | 0.7                   | 2.10                | 0.50                  | 3.30              | 0.7              | 0.45              | 11                | <80                     |
| TEX031-X-X-3.3-20  | 0.15                    | 0.15                    | 0.7                   | 2.10                | 0.50                  | 3.30              | 0.7              | 0.45              | 20                | <80                     |
| TEX031-X-X-3.3-30  | 0.15                    | 0.15                    | 0.6                   | 2.30                | 0.40                  | 3.30              | 0.9              | 0.55              | 30                | <80                     |
| TEX031-X-X-3.3-33  | 0.15                    | 0.15                    | 0.6                   | 2.30                | 0.40                  | 3.30              | 0.7              | 0.50              | 33                | <80                     |
| TEX031-X-X-4.5     | 0.16                    | 0.16                    | 0.8                   | 3.20                | 0.50                  | 4.50              | 0.7              | 0.55              | 41                | <80                     |
| TEX031-X-X-4.75-4  | 0.15                    | 0.15                    | 1.1                   | 3.20                | 0.45                  | 4.75              | 0.9              | 0.60              | 4                 | <80                     |
| TEX031-X-X-4.75-17 | 0.15                    | 0.15                    | 1.1                   | 3.20                | 0.45                  | 4.75              | 0.9              | 0.60              | 17                | <80                     |
| TEX031-X-X-4.75-25 | 0.15                    | 0.15                    | 1.1                   | 3.20                | 0.45                  | 4.75              | 0.9              | 0.60              | 25                | <80                     |
| TEX031-X-X-4.75-30 | 0.15                    | 0.15                    | 1.1                   | 3.20                | 0.45                  | 4.75              | 0.9              | 0.60              | 30                | <80                     |
| TEX031-X-X-4.75-45 | 0.15                    | 0.15                    | 1.1                   | 3.20                | 0.45                  | 4.75              | 0.9              | 0.60              | 45                | <80                     |
| TEX031-X-X-5.7-10  | 0.15                    | 0.15                    | 1.1                   | 4.00                | 0.60                  | 5.70              | 1.1              | 0.65              | 10                | <100                    |
| TEX031-X-X-5.7-15  | 0.15                    | 0.15                    | 1.1                   | 4.00                | 0.60                  | 5.70              | 1.1              | 0.65              | 15                | <100                    |
| TEX031-X-X-5.7-20  | 0.15                    | 0.15                    | 1.1                   | 4.00                | 0.60                  | 5.70              | 1.1              | 0.65              | 20                | <100                    |
| TEX031-X-X-5.7-25  | 0.17                    | 0.17                    | 1.0                   | 4.10                | 0.60                  | 5.70              | 1.0              | 0.80              | 25                | <100                    |
| TEX031-X-X-5.7-30  | 0.15                    | 0.15                    | 1.1                   | 4.00                | 0.60                  | 5.70              | 1.1              | 0.65              | 30                | <100                    |
| TEX031-X-X-5.7-35  | 0.15                    | 0.15                    | 1.1                   | 4.00                | 0.60                  | 5.70              | 1.1              | 0.65              | 35                | <100                    |
| TEX031-X-X-6.2     | 0.16                    | 0.16                    | 1.1                   | 4.50                | 0.60                  | 6.20              | 1.0              | 0.65              | 25                | <100                    |
| TEX031-X-X-6.7     | 0.15                    | 0.15                    | 1.1                   | 5.00                | 0.60                  | 6.70              | 1.1              | 0.80              | 28                | <100                    |
| TEX031-X-X-7.6-15  | 0.15                    | 0.15                    | 2.0                   | 5.00                | 0.60                  | 7.60              | 1.1              | 0.80              | 15                | <100                    |
| TEX031-X-X-7.6-28  | 0.15                    | 0.15                    | 2.0                   | 5.00                | 0.60                  | 7.60              | 1.1              | 0.80              | 28                | <100                    |
| TEX031-X-X-8.65    | 0.16                    | 0.16                    | 1.0                   | 7.05                | 0.60                  | 8.65              | 1.6              | 0.65              | 12                | <100                    |

■ Mechanical

Pitch: 0.4mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

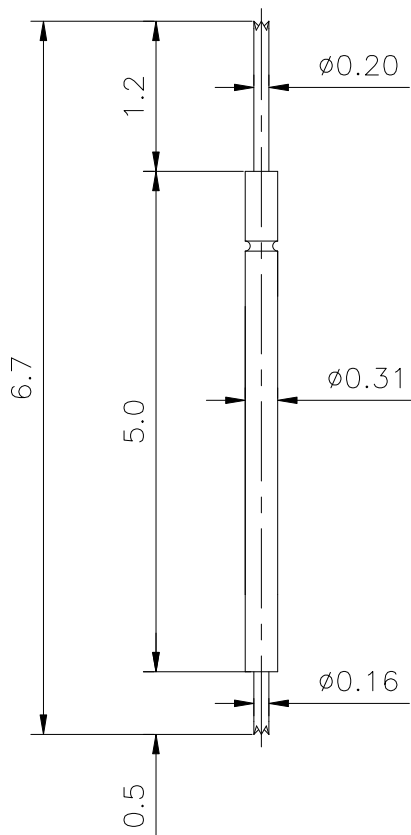
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

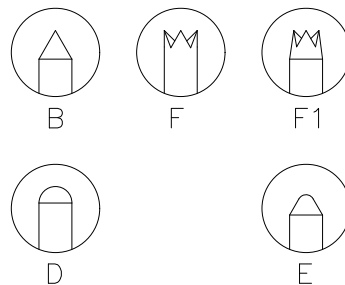
■ Electrical Specifications

Current Rating: 3 Amps

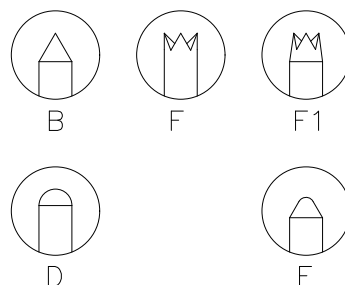
|          |      |      |                              |        |          |
|----------|------|------|------------------------------|--------|----------|
|          | Name | Date | Description:                 | Scale: |          |
| Drawn    |      |      |                              |        |          |
| Approved |      |      |                              |        |          |
| Checked  |      |      |                              |        |          |
| TEX      |      |      | Part NO.: TEX031-X-X-1Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.4mm

Recommended travel: 0.65mm

Full travel: 1.0mm

Spring force: 6g±20% at recommended travel

25g±20% at recommended travel

40g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

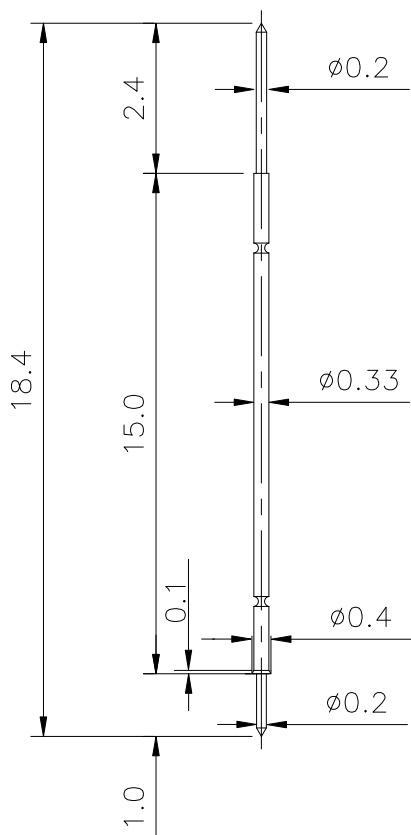
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

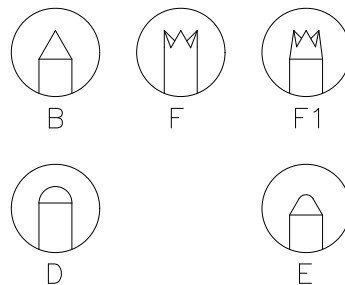
Current Rating: 3Amps

Resistance: Less than 100mΩ

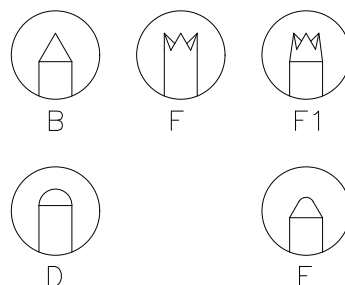
|          |      |      |                          |        |          |
|----------|------|------|--------------------------|--------|----------|
|          | Name | Date | Description:             | Scale: |          |
| Drawn    |      |      |                          |        |          |
| Approved |      |      |                          |        |          |
| Checked  |      |      |                          |        |          |
| TEX      |      |      | Part NO.: TEX031-X-X-6.7 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.45mm

Recommended travel: 2.3mm

Full travel: 3.4mm

Spring force:  $25g \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph, Gold plated

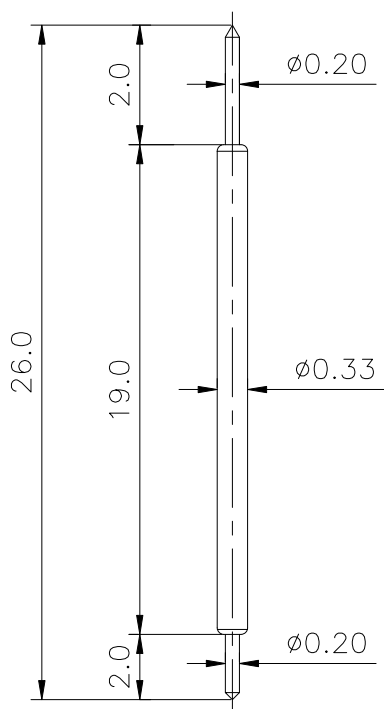
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

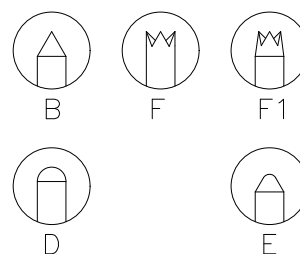
Current Rating: 3Amps

Resistance: Less than  $150m\Omega$

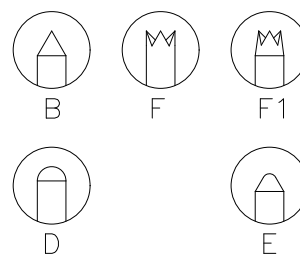
|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX033-X-X-18.4 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.45mm

Recommended travel: 3.0mm

Full travel: 5.0mm

Spring force: 45±20% at recommended travel

70±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

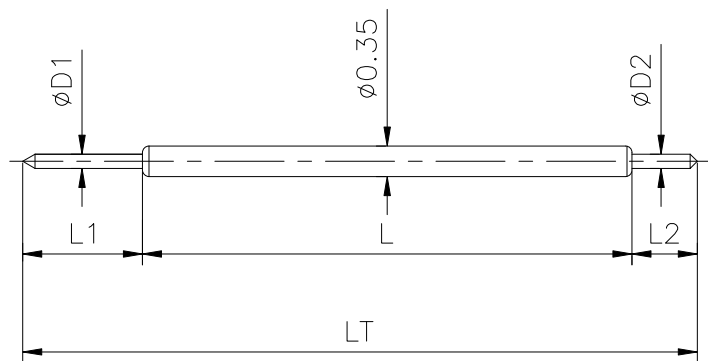
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

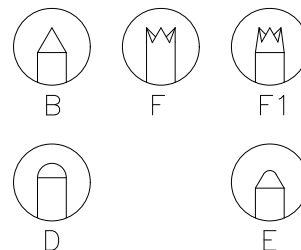
Current Rating: 3Amps

Resistance: Less than 200mΩ

|                                                            |      |      |                                |        |             |
|------------------------------------------------------------|------|------|--------------------------------|--------|-------------|
|                                                            | Name | Date | Description:                   | Scale: |             |
| Drawn                                                      |      |      |                                |        |             |
| Approved                                                   |      |      |                                |        |             |
| Checked                                                    |      |      |                                |        |             |
| <div style="font-size: 2em; font-family: serif;">TEX</div> |      |      | Part NO.: <b>TEX033-X-X-26</b> | Index: | Size:<br>A4 |



Tip Style



| Model              | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m $\Omega$ ) |
|--------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|----------------------------------|
| TEX035-X-X-4       | 0.17                    | 0.17                    | 0.61                  | 2.78                | 0.61                  | 4.00              | 0.61             | 0.39              | 26                | <80                              |
| TEX035-X-X-5.7-9   | 0.18                    | 0.18                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.65              | 9                 | <100                             |
| TEX035-X-X-5.7-23  | 0.18                    | 0.18                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.65              | 23                | <100                             |
| TEX035-X-X-5.7-43  | 0.18                    | 0.18                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.65              | 43                | <100                             |
| TEX035-X-X-6.3-15  | 0.20                    | 0.20                    | 1.50                  | 4.00                | 0.80                  | 6.30              | 1.50             | 0.80              | 15                | <100                             |
| TEX035-X-X-6.3-40  | 0.18                    | 0.18                    | 1.50                  | 4.00                | 0.80                  | 6.30              | 1.20             | 0.70              | 40                | <100                             |
| TEX035-X-X-8.65    | 0.18                    | 0.18                    | 1.50                  | 6.35                | 0.80                  | 8.65              | 1.30             | 0.80              | 22                | <100                             |
| TEX035-X-X-8.85-10 | 0.18                    | 0.18                    | 1.50                  | 6.35                | 1.00                  | 8.85              | 1.30             | 0.80              | 10                | <100                             |
| TEX035-X-X-8.85-22 | 0.18                    | 0.18                    | 1.50                  | 6.35                | 1.00                  | 8.85              | 1.30             | 0.80              | 22                | <100                             |

■ Mechanical

Pitch: 0.45mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

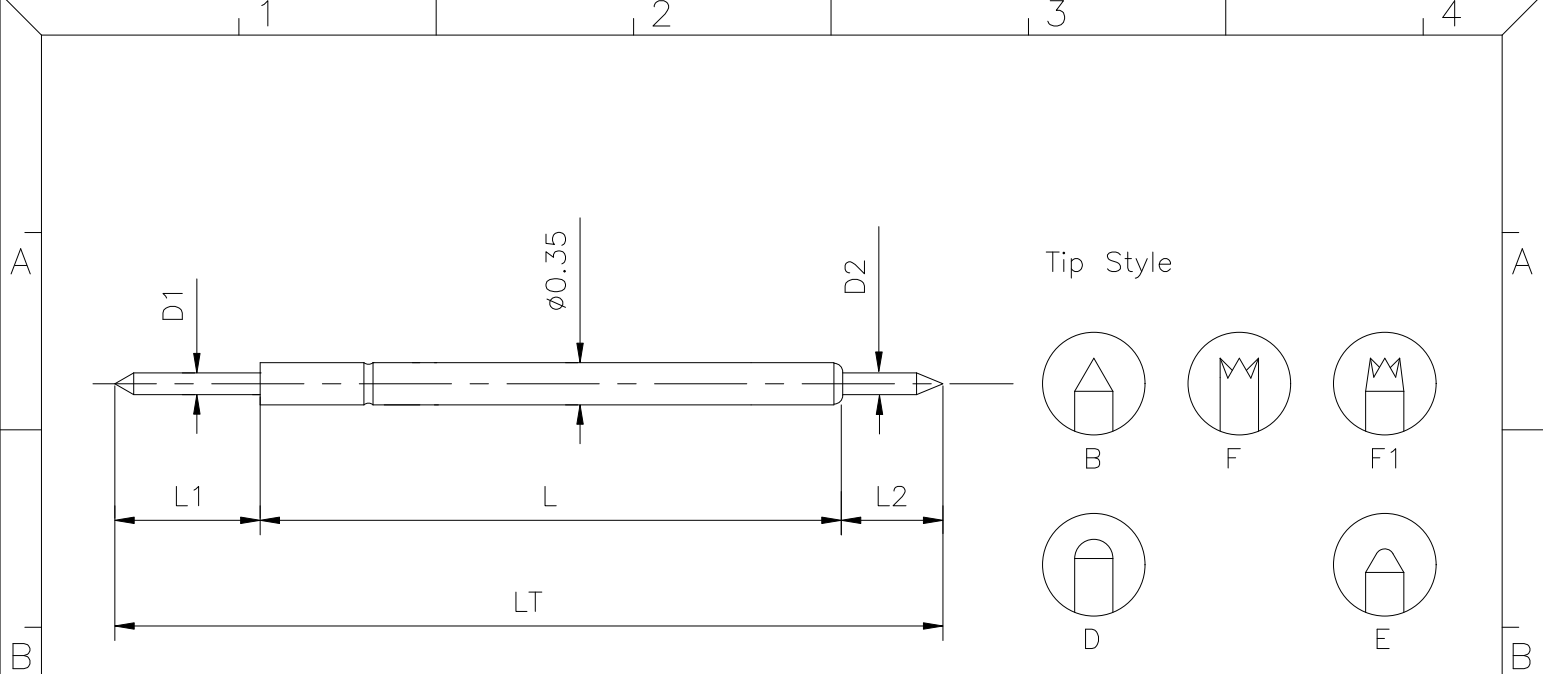
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 3Amps

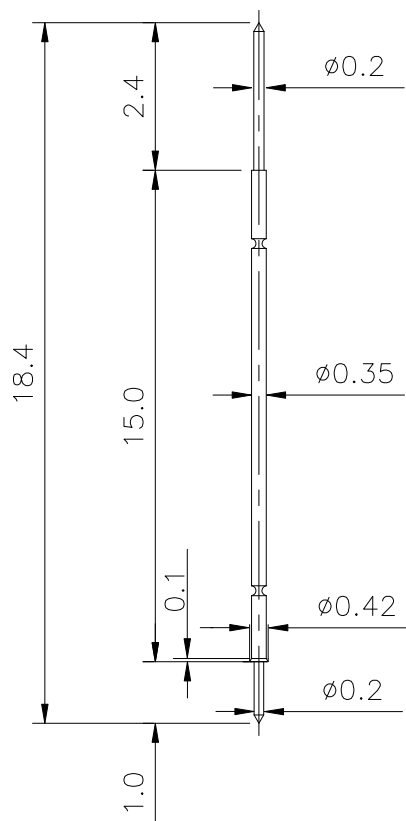
|          |      |      |                              |        |          |
|----------|------|------|------------------------------|--------|----------|
|          | Name | Date | Description:                 | Scale: |          |
| Drawn    |      |      |                              |        |          |
| Approved |      |      |                              |        |          |
| Checked  |      |      |                              |        |          |
| TEX      |      |      | Part NO.: TEX035-X-X-1Series | Index: | Size: A4 |



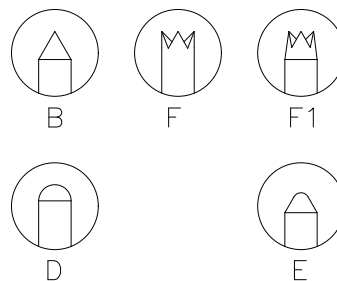
| Model              | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m $\Omega$ ) |
|--------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|----------------------------------|
| TEX035-X-X-6.82    | 0.23                    | 0.17                    | 1.50                  | 4.80                | 0.52                  | 6.82              | 1.1              | 1.0               | 40                | <100                             |
| TEX035-X-X-7.62-10 | 0.25                    | 0.18                    | 1.52                  | 5.59                | 0.51                  | 7.62              | 1.5              | 1.2               | 10                | <100                             |
| TEX035-X-X-7.62-20 | 0.25                    | 0.18                    | 1.52                  | 5.59                | 0.51                  | 7.62              | 1.5              | 1.2               | 20                | <100                             |
| TEX035-X-X-7.62-30 | 0.25                    | 0.18                    | 1.52                  | 5.59                | 0.51                  | 7.62              | 1.5              | 1.2               | 30                | <100                             |
| TEX035-X-X-7.62-35 | 0.25                    | 0.18                    | 1.52                  | 5.59                | 0.51                  | 7.62              | 1.5              | 1.2               | 35                | <100                             |
| TEX035-X-X-7.7     | 0.25                    | 0.16                    | 1.60                  | 5.60                | 0.50                  | 7.70              | 1.0              | 0.5               | 18                | <100                             |

- Mechanical  
Pitch: 0.45mm
- Material and plating  
Plunger 1: SK4/BeCU, Gold plated; PD, No plated  
Plunger 2: SK4/BeCu, Gold plated; PD, No plated  
Barrel: Ph/SP, Gold plated  
Spring: SWP/SUS, Gold plated
- Electrical Specifications  
Current Rating: 3Amps

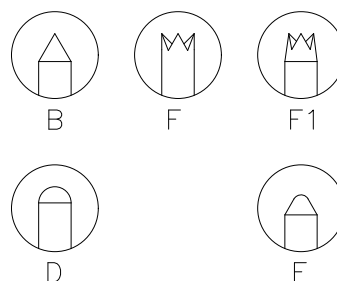
|          |      |      |              |                    |        |             |
|----------|------|------|--------------|--------------------|--------|-------------|
|          | Name | Date | Description: | Scale:             |        |             |
| Drawn    |      |      |              |                    |        |             |
| Approved |      |      |              |                    |        |             |
| Checked  |      |      |              |                    |        |             |
| TEX      |      |      | Part NO.:    | TEX035-X-X-2Series | Index: | Size:<br>A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.45mm

Recommended travel: 2.3mm

Full travel: 3.4mm

Spring force: 25g±20% at recommended travel

30g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph, Gold plated

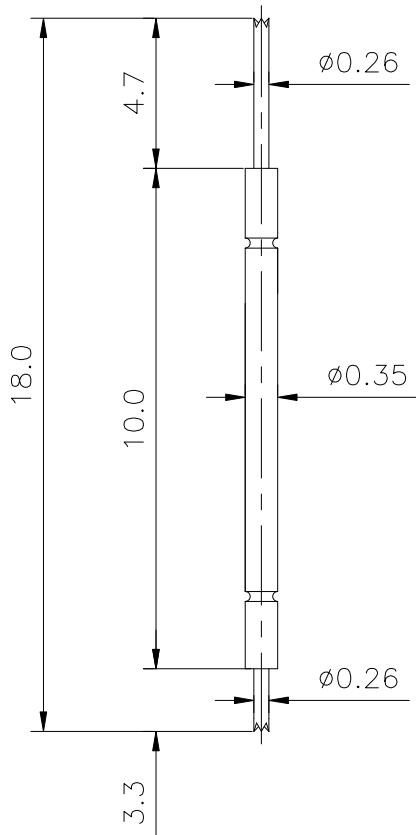
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

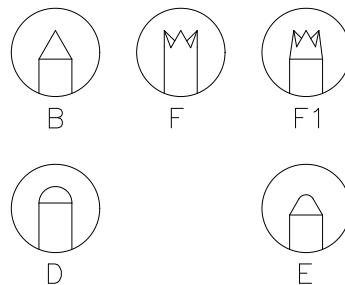
Current Rating: 3Amps

Resistance: Less than 150mΩ

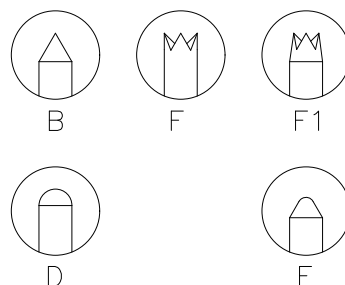
|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX035-X-X-18.4 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.45mm

Recommended travel: 1.0mm

Full travel: 1.5mm

Spring force: 35g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

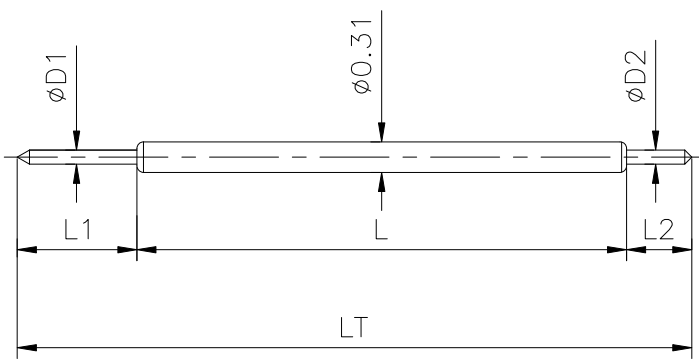
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

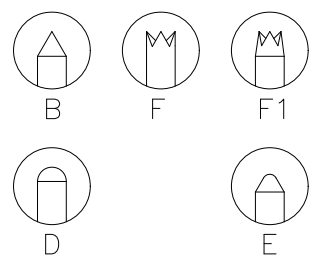
Current Rating: 3Amps

Resistance: Less than 150mΩ

|          |      |      |                         |                 |
|----------|------|------|-------------------------|-----------------|
|          | Name | Date | Description:            | Scale:          |
| Drawn    |      |      |                         |                 |
| Approved |      |      |                         |                 |
| Checked  |      |      |                         |                 |
| TEX      |      |      | Part NO.: TEX035-X-X-18 | Index: Size: A4 |



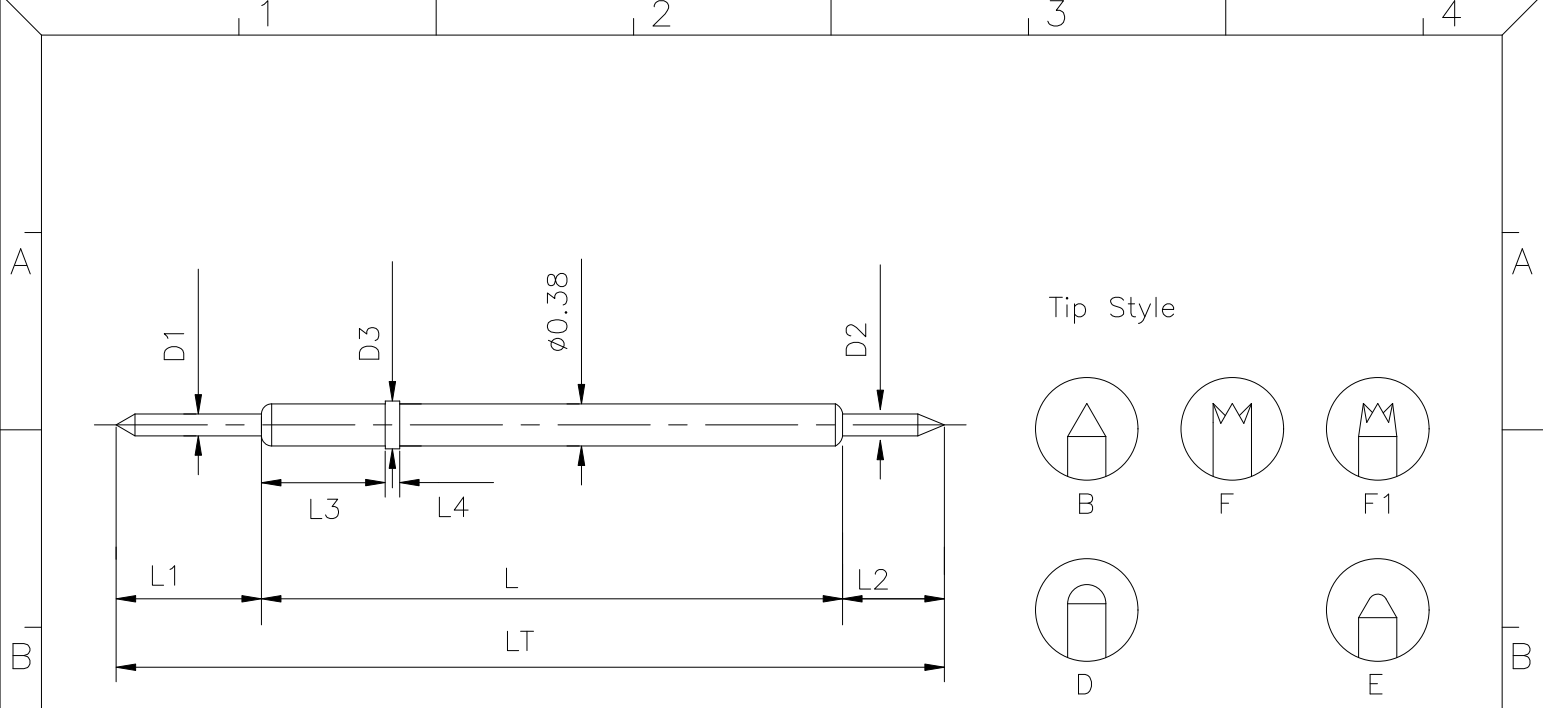
Tip Style

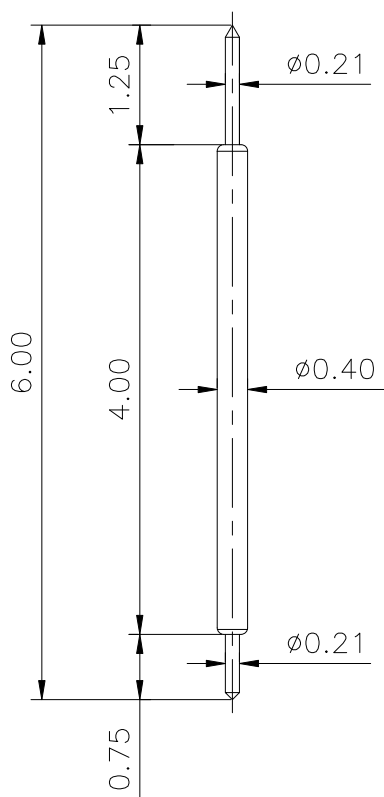


| Model              | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|--------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX038-X-X-3.3-15  | 0.21                    | 0.21                    | 0.50                  | 2.30                | 0.50                  | 3.30              | 0.70             | 0.50              | 15                | <80                     |
| TEX038-X-X-3.3-25  | 0.21                    | 0.21                    | 0.50                  | 2.30                | 0.50                  | 3.30              | 0.70             | 0.50              | 25                | <80                     |
| TEX038-X-X-3.3-30  | 0.21                    | 0.21                    | 0.50                  | 2.30                | 0.50                  | 3.30              | 0.70             | 0.50              | 30                | <80                     |
| TEX038-X-X-5.7-15  | 0.20                    | 0.20                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.65              | 15                | <100                    |
| TEX038-X-X-5.7-20  | 0.20                    | 0.20                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.65              | 20                | <100                    |
| TEX038-X-X-5.7-25  | 0.20                    | 0.20                    | 1.65                  | 3.40                | 0.65                  | 5.70              | 1.10             | 0.80              | 25                | <100                    |
| TEX038-X-X-5.7-30  | 0.20                    | 0.20                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.65              | 30                | <100                    |
| TEX038-X-X-5.7-38  | 0.20                    | 0.20                    | 1.10                  | 4.00                | 0.60                  | 5.75              | 1.10             | 0.65              | 38                | <100                    |
| TEX038-X-X-5.75    | 0.20                    | 0.20                    | 1.10                  | 4.00                | 0.65                  | 5.75              | 1.10             | 0.65              | 30                | <100                    |
| TEX038-X-X-6.0     | 0.20                    | 0.20                    | 1.00                  | 4.00                | 1.00                  | 6.00              | 1.10             | 0.70              | 20                | <100                    |
| TEX038-X-X-6.2     | 0.22                    | 0.22                    | 1.60                  | 4.00                | 0.60                  | 6.20              | 0.95             | 0.63              | 25                | <100                    |
| TEX038-X-X-8.8     | 0.20                    | 0.20                    | 1.50                  | 6.35                | 0.95                  | 8.80              | 1.80             | 1.40              | 70                | <100                    |
| TEX038-X-X-8.85-23 | 0.20                    | 0.20                    | 1.50                  | 6.35                | 1.00                  | 8.85              | 2.00             | 0.70              | 23                | <100                    |
| TEX038-X-X-8.85-45 | 0.20                    | 0.20                    | 1.50                  | 6.35                | 1.00                  | 8.85              | 1.50             | 0.70              | 45                | <100                    |
| TEX038-X-X-9.44    | 0.20                    | 0.20                    | 1.22                  | 7.00                | 1.22                  | 9.44              | 2.50             | 1.00              | 15                | <150                    |
| TEX038-X-X-11-20   | 0.20                    | 0.20                    | 2.00                  | 8.00                | 1.00                  | 11.00             | 2.30             | 1.00              | 20                | <150                    |
| TEX038-X-X-11-50   | 0.20                    | 0.20                    | 2.00                  | 8.00                | 1.00                  | 11.00             | 2.30             | 1.00              | 50                | <150                    |

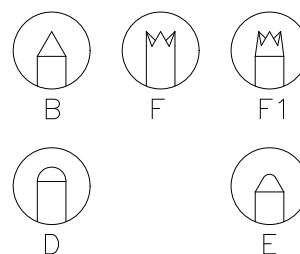
- Mechanical  
Pitch: 0.5mm
- Material and plating  
Plunger 1: SK4/BeCu, Gold plated; PD, No plated  
Plunger 2: SK4/BeCu, Gold plated; PD, No plated  
Barrel: Ph/SP, Gold plated  
Spring: SWP/SUS, Gold plated
- Electrical Specifications  
Current Rating: 3Amps

|          |      |      |                              |        |          |
|----------|------|------|------------------------------|--------|----------|
|          | Name | Date | Description:                 | Scale: |          |
| Drawn    |      |      |                              |        |          |
| Approved |      |      |                              |        |          |
| Checked  |      |      |                              |        |          |
| TEX      |      |      | Part NO.: TEX038-X-X-1Series | Index: | Size: A4 |

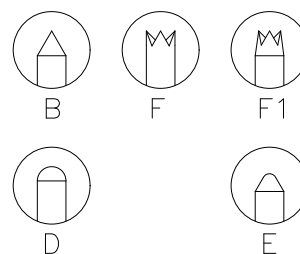




Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.5mm

Recommended travel: 0.7mm

Full travel: 1.0mm

Spring force: 22±20% at recommended travel

40±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

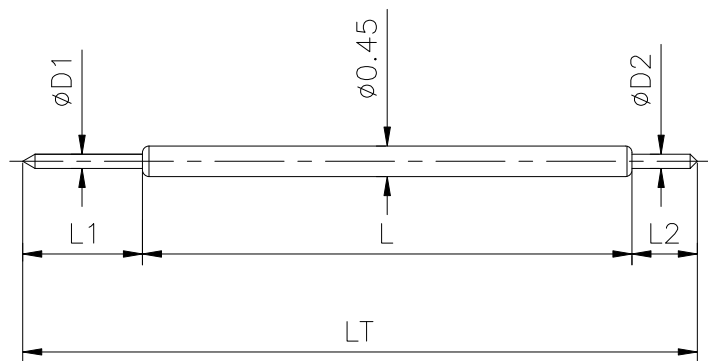
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

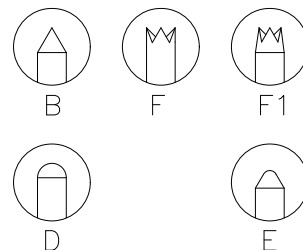
Current Rating: 3Amps

Resistance: Less than 100mΩ

|          |      |      |                        |        |          |
|----------|------|------|------------------------|--------|----------|
|          | Name | Date | Description:           | Scale: |          |
| Drawn    |      |      |                        |        |          |
| Approved |      |      |                        |        |          |
| Checked  |      |      |                        |        |          |
| TEX      |      |      | Part NO.: TEX040-X-X-6 | Index: | Size: A4 |



Tip Style



| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|-------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX045-X-X-5.8-11 | 0.25                    | 0.25                    | 1.1                   | 4.0                 | 0.7                   | 5.8               | 1.1              | 0.65              | 11                | <100                    |
| TEX045-X-X-5.8-23 | 0.25                    | 0.25                    | 1.1                   | 4.0                 | 0.7                   | 5.8               | 1.1              | 0.65              | 23                | <100                    |
| TEX045-X-X-5.8-35 | 0.25                    | 0.25                    | 1.1                   | 4.0                 | 0.7                   | 5.8               | 1.1              | 0.65              | 35                | <100                    |
| TEX045-X-X-5.8-48 | 0.25                    | 0.25                    | 1.1                   | 4.0                 | 0.7                   | 5.8               | 1.1              | 0.65              | 48                | <100                    |
| TEX045-X-X-6.8    | 0.25                    | 0.25                    | 1.6                   | 4.5                 | 0.7                   | 6.8               | 1.6              | 1.00              | 23                | <100                    |
| TEX045-X-X-7.7-12 | 0.25                    | 0.25                    | 1.6                   | 5.6                 | 0.5                   | 7.7               | 1.5              | 1.00              | 12                | <100                    |
| TEX045-X-X-7.7-20 | 0.25                    | 0.25                    | 1.6                   | 5.6                 | 0.5                   | 7.7               | 1.5              | 1.00              | 20                | <100                    |
| TEX045-X-X-7.7-40 | 0.25                    | 0.25                    | 1.6                   | 5.6                 | 0.5                   | 7.7               | 1.5              | 1.00              | 40                | <100                    |
| TEX045-X-X-7.9    | 0.25                    | 0.25                    | 1.6                   | 5.6                 | 0.7                   | 7.9               | 1.6              | 1.00              | 23                | <100                    |
| TEX045-X-X-26     | 0.28                    | 0.28                    | 3.5                   | 19.0                | 3.5                   | 26.0              | 5.0              | 3.50              | 100               | <200                    |

■ Mechanical

Pitch: 0.6mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

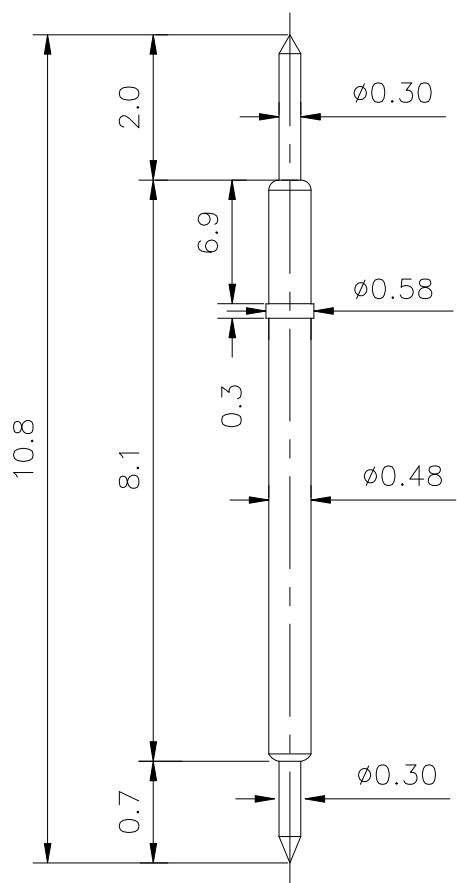
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

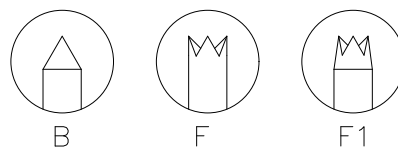
■ Electrical Specifications

Current Rating: 3Amps

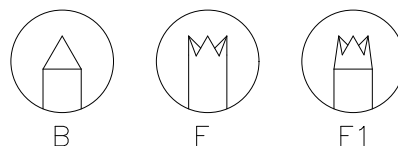
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX045-X-X-Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.6mm

Recommended travel: 1.8mm

Full travel: 2.6mm

Spring force: 20g $\pm$ 20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 3Amps

Resistance: Less than 150m $\Omega$

Name Date

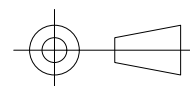
Description:

Scale:

Drawn

Approved

Checked



TEX

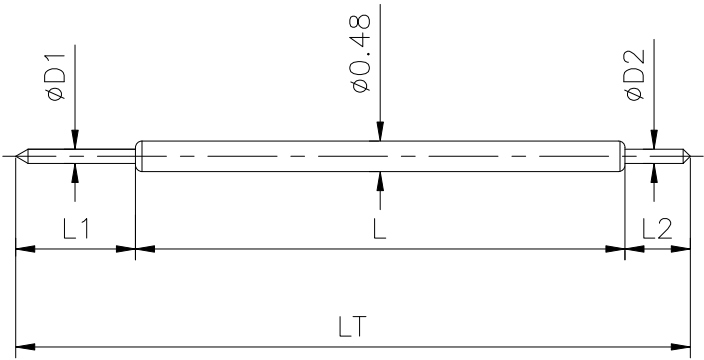
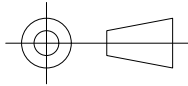
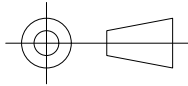
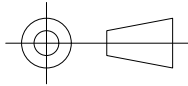
Part NO.:

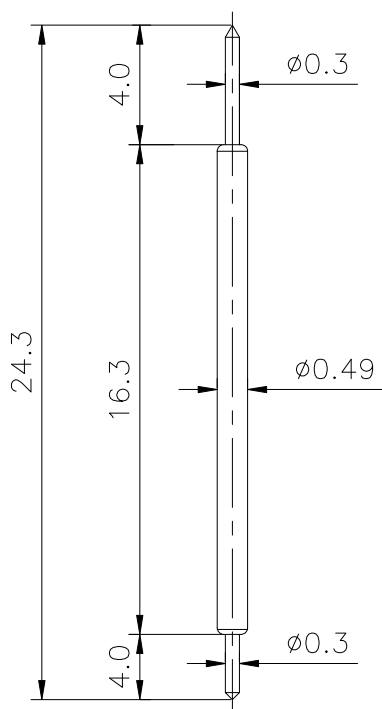
TEX048-X-X-10.8

Index:

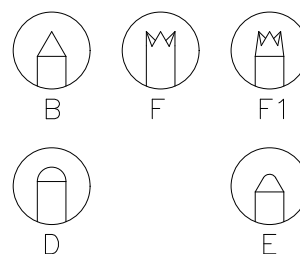
Size:

A4

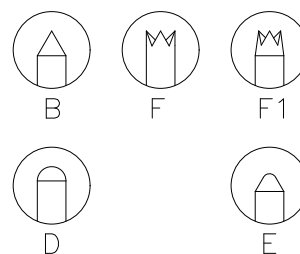
|                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                       | 3                           | 4                                                                                     |                       |                         |                         |                       |                     |                         |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------|---------------------------------------------------------------------------------------|-----------------------|-------------------------|-------------------------|-----------------------|---------------------|-------------------------|-------------------|------------------|---------------------------------------------------------------------------------------|-------------------|-------------------------|-----------------|---------|------|------|------|-----|------|-----------------------------|-----------------|----|-----|-------------------|------|------|------|------|-----|------|-----|------|----|------|---------------------|------|------|------|------|-----|------|-----|------|------|------|----------------|------|------|------|------|-----|------|-----|------|----|------|--------------------|------|------|------|------|-----|------|-----|------|----|------|--------------------|------|------|------|------|-----|------|-----|------|----|------|---|
| A                   | <div><div></div><div><div>Tip Style</div><div><div>B</div></div><div><div>F</div></div><div><div>F1</div></div><div><div>D</div></div><div><div>E</div></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                             |                                                                                       | A                     |                         |                         |                       |                     |                         |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| B                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                             |                                                                                       | B                     |                         |                         |                       |                     |                         |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| C                   | <table><tr><th>Model</th><th>Plunger Diameter 1 (mm)</th><th>Plunger Diameter 2 (mm)</th><th>Plunger Length 1 (mm)</th><th>Plunger Length (mm)</th><th>Plunger Length 2 (mm)</th><th>Total Length (mm)</th><th>Full Stroke (mm)</th><th>Rated Stroke (mm)</th><th>Spring Force (gf)</th><th>Contact Resistance (mΩ)</th></tr><tr><td>TEX048-X-X-3.95</td><td>0.26</td><td>0.26</td><td>0.65</td><td>2.80</td><td>0.5</td><td>3.95</td><td>1.0</td><td>0.60</td><td>23</td><td>&lt;80</td></tr><tr><td>TEX048-X-X-5.7-28</td><td>0.26</td><td>0.26</td><td>1.10</td><td>4.00</td><td>0.6</td><td>5.70</td><td>1.1</td><td>0.65</td><td>28</td><td>&lt;100</td></tr><tr><td>TEX048-X-X-5.7-42.5</td><td>0.26</td><td>0.26</td><td>1.10</td><td>4.00</td><td>0.6</td><td>5.70</td><td>1.1</td><td>0.65</td><td>42.5</td><td>&lt;100</td></tr><tr><td>TEX048-X-X-8.1</td><td>0.25</td><td>0.25</td><td>2.00</td><td>5.50</td><td>0.6</td><td>8.10</td><td>1.5</td><td>1.00</td><td>30</td><td>&lt;100</td></tr><tr><td>TEX048-X-X-9.85-10</td><td>0.25</td><td>0.25</td><td>2.00</td><td>6.35</td><td>1.5</td><td>9.85</td><td>1.3</td><td>0.80</td><td>10</td><td>&lt;150</td></tr><tr><td>TEX048-X-X-9.85-20</td><td>0.25</td><td>0.25</td><td>2.00</td><td>6.35</td><td>1.5</td><td>9.85</td><td>1.3</td><td>0.80</td><td>20</td><td>&lt;150</td></tr></table> |                         |                             |                                                                                       | Model                 | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm)   | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm)                                                                     | Spring Force (gf) | Contact Resistance (mΩ) | TEX048-X-X-3.95 | 0.26    | 0.26 | 0.65 | 2.80 | 0.5 | 3.95 | 1.0                         | 0.60            | 23 | <80 | TEX048-X-X-5.7-28 | 0.26 | 0.26 | 1.10 | 4.00 | 0.6 | 5.70 | 1.1 | 0.65 | 28 | <100 | TEX048-X-X-5.7-42.5 | 0.26 | 0.26 | 1.10 | 4.00 | 0.6 | 5.70 | 1.1 | 0.65 | 42.5 | <100 | TEX048-X-X-8.1 | 0.25 | 0.25 | 2.00 | 5.50 | 0.6 | 8.10 | 1.5 | 1.00 | 30 | <100 | TEX048-X-X-9.85-10 | 0.25 | 0.25 | 2.00 | 6.35 | 1.5 | 9.85 | 1.3 | 0.80 | 10 | <150 | TEX048-X-X-9.85-20 | 0.25 | 0.25 | 2.00 | 6.35 | 1.5 | 9.85 | 1.3 | 0.80 | 20 | <150 | C |
| Model               | Plunger Diameter 1 (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Plunger Diameter 2 (mm) | Plunger Length 1 (mm)       | Plunger Length (mm)                                                                   | Plunger Length 2 (mm) | Total Length (mm)       | Full Stroke (mm)        | Rated Stroke (mm)     | Spring Force (gf)   | Contact Resistance (mΩ) |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| TEX048-X-X-3.95     | 0.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.26                    | 0.65                        | 2.80                                                                                  | 0.5                   | 3.95                    | 1.0                     | 0.60                  | 23                  | <80                     |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| TEX048-X-X-5.7-28   | 0.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.26                    | 1.10                        | 4.00                                                                                  | 0.6                   | 5.70                    | 1.1                     | 0.65                  | 28                  | <100                    |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| TEX048-X-X-5.7-42.5 | 0.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.26                    | 1.10                        | 4.00                                                                                  | 0.6                   | 5.70                    | 1.1                     | 0.65                  | 42.5                | <100                    |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| TEX048-X-X-8.1      | 0.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.25                    | 2.00                        | 5.50                                                                                  | 0.6                   | 8.10                    | 1.5                     | 1.00                  | 30                  | <100                    |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| TEX048-X-X-9.85-10  | 0.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.25                    | 2.00                        | 6.35                                                                                  | 1.5                   | 9.85                    | 1.3                     | 0.80                  | 10                  | <150                    |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| TEX048-X-X-9.85-20  | 0.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.25                    | 2.00                        | 6.35                                                                                  | 1.5                   | 9.85                    | 1.3                     | 0.80                  | 20                  | <150                    |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| D                   | <div><div>■ Mechanical</div><div>Pitch: 0.6mm</div><div>■ Material and plating</div><div>Plunger 1: SK4/BeCu, Gold plated; PD, No plated</div><div>Plunger 2: SK4/BeCu, Gold plated; PD, No plated</div><div>Barrel: Ph/SP, Gold plated</div><div>Spring: SWP/SUS, Gold plated</div><div>■ Electrical Specifications</div><div>Current Rating: 3Amps</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |                             |                                                                                       | D                     |                         |                         |                       |                     |                         |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| E                   | <table><tr><td></td><td>Name</td><td>Date</td><td rowspan="4">Description:</td><td>Scale:</td></tr><tr><td>Drawn</td><td></td><td></td><td rowspan="3"></td></tr><tr><td>Approved</td><td></td><td></td></tr><tr><td>Checked</td><td></td><td></td></tr><tr><td colspan="3">TEX</td><td>Part NO.: TEX048-X-X-Series</td><td>Index: Size: A4</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |                             |                                                                                       |                       | Name                    | Date                    | Description:          | Scale:              | Drawn                   |                   |                  |  | Approved          |                         |                 | Checked |      |      | TEX  |     |      | Part NO.: TEX048-X-X-Series | Index: Size: A4 | E  |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
|                     | Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Date                    | Description:                | Scale:                                                                                |                       |                         |                         |                       |                     |                         |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| Drawn               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                             |  |                       |                         |                         |                       |                     |                         |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| Approved            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                             |                                                                                       |                       |                         |                         |                       |                     |                         |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| Checked             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                             |                                                                                       |                       |                         |                         |                       |                     |                         |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
| TEX                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         | Part NO.: TEX048-X-X-Series | Index: Size: A4                                                                       |                       |                         |                         |                       |                     |                         |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |
|                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                       | 3                           | 4                                                                                     |                       |                         |                         |                       |                     |                         |                   |                  |                                                                                       |                   |                         |                 |         |      |      |      |     |      |                             |                 |    |     |                   |      |      |      |      |     |      |     |      |    |      |                     |      |      |      |      |     |      |     |      |      |      |                |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |                    |      |      |      |      |     |      |     |      |    |      |   |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.6mm

Recommended travel: 3.2mm

Full travel: 5.0mm

Spring force:  $50 \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

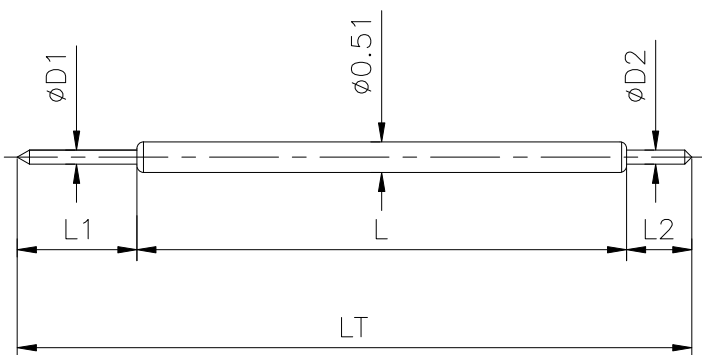
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

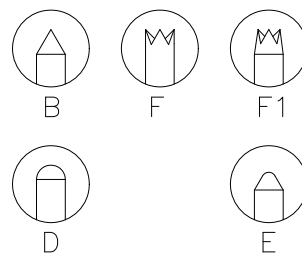
Current Rating: 3Amps

Resistance: Less than 200m $\Omega$

|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX049-X-X-24.3 | Index: | Size: A4 |



Tip Style



| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length 2 (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|-------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX051-X-X-3.2    | 0.30                    | 0.30                    | 0.80                  | 1.95                  | 0.50                  | 3.25              | 0.80             | 0.45              | 17                | <80                     |
| TEX051-X-X-4.8    | 0.30                    | 0.30                    | 1.10                  | 3.20                  | 0.50                  | 4.80              | 1.00             | 0.60              | 30                | <80                     |
| TEX051-X-X-5.7-10 | 0.28                    | 0.28                    | 1.10                  | 4.00                  | 0.60                  | 5.70              | 1.10             | 0.65              | 10                | <100                    |
| TEX051-X-X-5.7-15 | 0.26                    | 0.26                    | 1.00                  | 3.70                  | 1.00                  | 5.70              | 1.30             | 0.95              | 15                | <100                    |
| TEX051-X-X-5.7-22 | 0.28                    | 0.28                    | 1.10                  | 4.00                  | 0.60                  | 5.70              | 1.10             | 0.65              | 22                | <100                    |
| TEX051-X-X-5.7-28 | 0.28                    | 0.28                    | 1.10                  | 4.00                  | 0.60                  | 5.70              | 1.10             | 0.65              | 28                | <100                    |
| TEX051-X-X-5.7-30 | 0.30                    | 0.30                    | 1.10                  | 1.00                  | 0.60                  | 5.70              | 1.10             | 0.65              | 30                | <100                    |
| TEX051-X-X-5.7-34 | 0.26                    | 0.26                    | 1.10                  | 4.00                  | 0.60                  | 5.70              | 1.10             | 0.65              | 34                | <100                    |
| TEX051-X-X-5.7-60 | 0.26                    | 0.26                    | 1.00                  | 3.70                  | 1.00                  | 5.70              | 1.30             | 0.95              | 60                | <100                    |
| TEX051-X-X-6.1-18 | 0.30                    | 0.30                    | 1.50                  | 4.00                  | 0.60                  | 6.10              | 1.50             | 1.00              | 18                | <100                    |
| TEX051-X-X-6.1-34 | 0.30                    | 0.30                    | 1.50                  | 4.00                  | 0.60                  | 6.10              | 1.30             | 0.95              | 34                | <100                    |
| TEX051-X-X-6.1-43 | 0.30                    | 0.30                    | 1.50                  | 4.00                  | 0.60                  | 6.10              | 1.36             | 0.90              | 43                | <100                    |
| TEX051-X-X-6.1-50 | 0.30                    | 0.30                    | 1.50                  | 4.00                  | 0.60                  | 6.10              | 1.30             | 0.95              | 50                | <100                    |
| TEX051-X-X-6.3-40 | 0.28                    | 0.28                    | 1.50                  | 4.00                  | 0.80                  | 6.30              | 1.60             | 1.00              | 40                | <100                    |
| TEX051-X-X-6.3-60 | 0.28                    | 0.28                    | 1.50                  | 4.00                  | 0.80                  | 6.30              | 1.60             | 1.00              | 60                | <100                    |
| TEX051-X-X-8.16   | 0.30                    | 0.30                    | 1.65                  | 5.81                  | 0.70                  | 8.16              | 1.50             | 0.80              | 30                | <100                    |
| TEX051-X-X-8.45   | 0.28                    | 0.28                    | 1.60                  | 6.00                  | 0.85                  | 8.45              | 1.95             | 1.20              | 32                | <100                    |

■ Mechanical

Pitch: 0.65mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

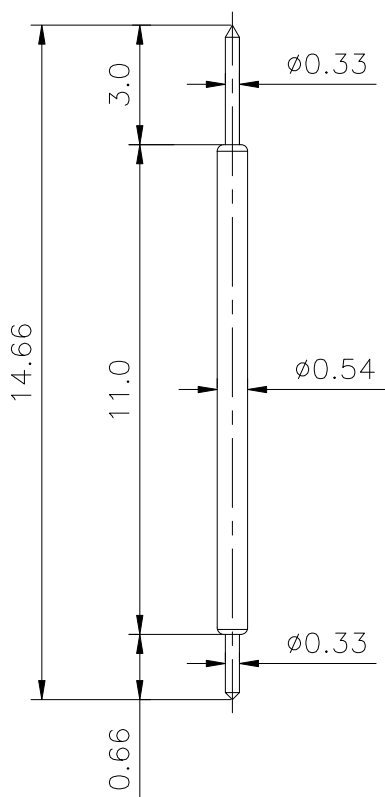
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

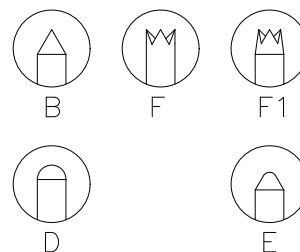
■ Electrical Specifications

Current Rating: 3.5Amps

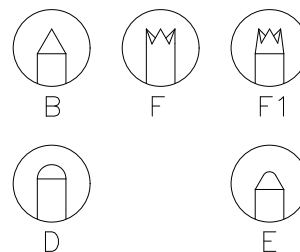
|          |      |                             |        |          |
|----------|------|-----------------------------|--------|----------|
| Name     | Date | Description:                | Scale: |          |
| Drawn    |      |                             |        |          |
| Approved |      |                             |        |          |
| Checked  |      |                             |        |          |
| TEX      |      | Part NO.: TEX051-X-X-Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.65mm

Recommended travel: 2.4mm

Full travel: 3.0mm

Spring force: 55±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

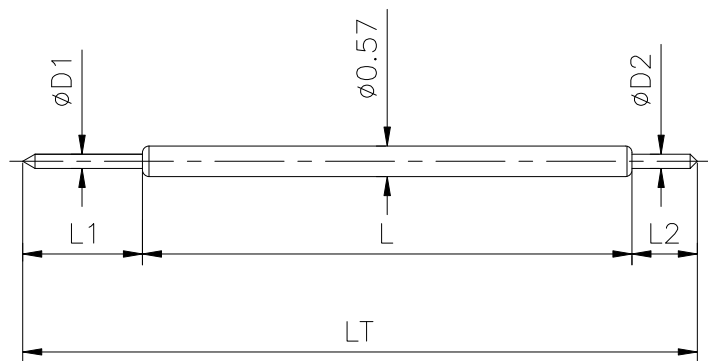
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

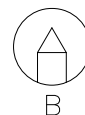
Current Rating: 3.5Amps

Resistance: Less than 150mΩ

|          |      |      |                            |        |          |
|----------|------|------|----------------------------|--------|----------|
|          | Name | Date | Description:               | Scale: |          |
| Drawn    |      |      |                            |        |          |
| Approved |      |      |                            |        |          |
| Checked  |      |      |                            |        |          |
| TEX      |      |      | Part NO.: TEX054-X-X-14.66 | Index: | Size: A4 |



Tip Style



B



F



F1



D



E

| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|-------------------|-------------------------|-------------------------|-----------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX057-X-X-3      | 0.35                    | 0.35                    | 0.65                  | 2.00                  | 3.00              | 0.63             | 0.5               | 45                | <80                     |
| TEX057-X-X-3.1-25 | 0.35                    | 0.35                    | 0.60                  | 2.00                  | 3.10              | 0.60             | 0.5               | 25                | <80                     |
| TEX057-X-X-3.1-52 | 0.35                    | 0.35                    | 0.60                  | 2.00                  | 3.10              | 0.60             | 0.5               | 52                | <80                     |
| TEX057-X-X-14.3   | 0.30                    | 0.30                    | 1.25                  | 11.80                 | 14.30             | 2.50             | 2.0               | 25                | <150                    |

■ Mechanical

Pitch: 0.7mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

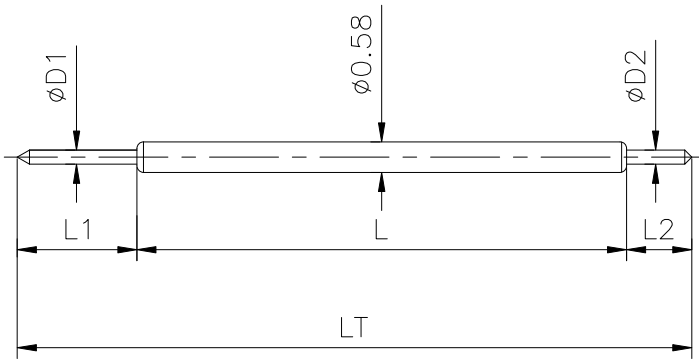
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

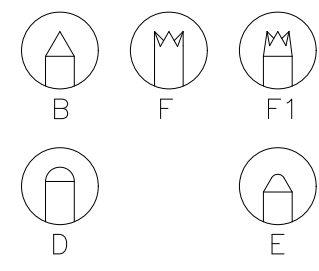
■ Electrical Specifications

Current Rating: 3.5Amps

|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX057-X-X-Series | Index: | Size: A4 |



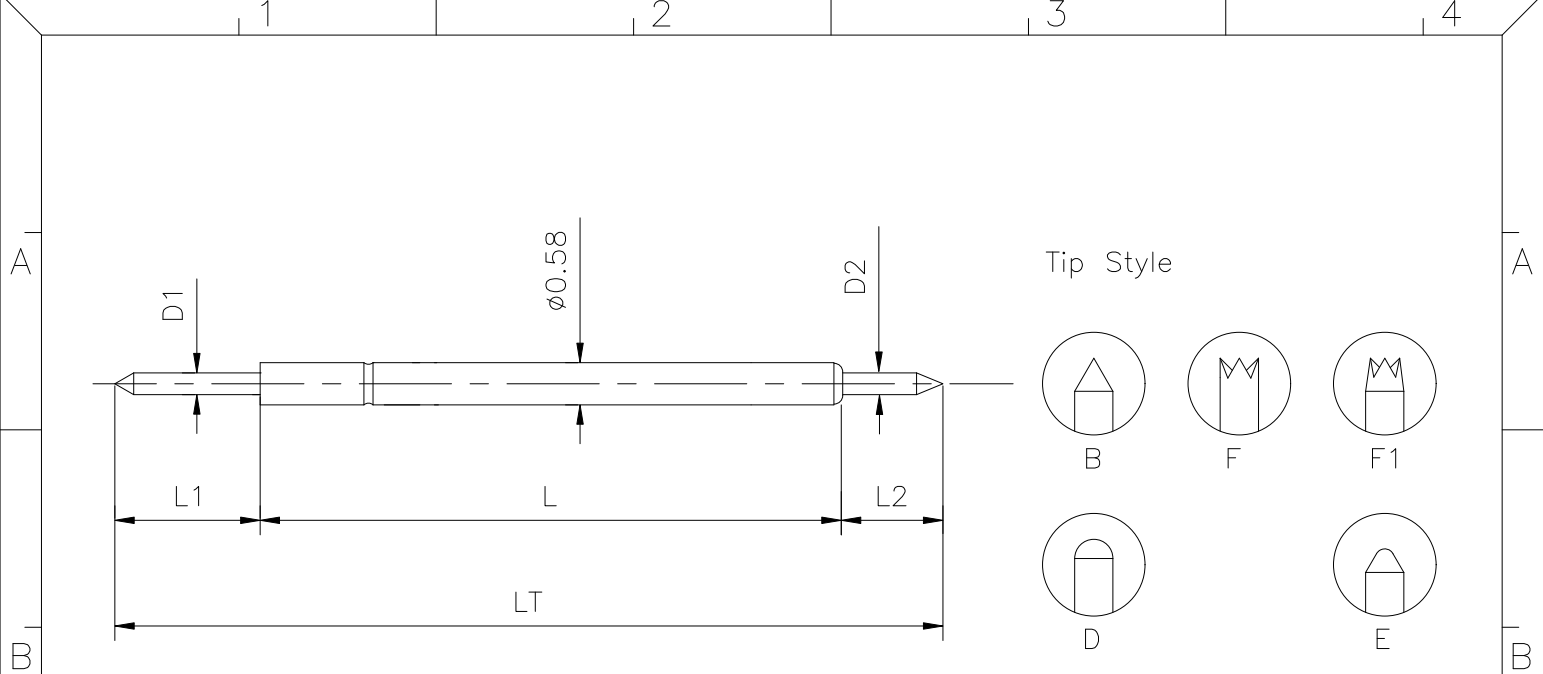
Tip Style



| Model              | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|--------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX058-X-X-4       | 0.30                    | 0.30                    | 0.80                  | 2.70                | 0.50                  | 4.00              | 1.10             | 0.65              | 30                | <80                     |
| TEX058-X-X-4.75    | 0.35                    | 0.35                    | 1.00                  | 3.25                | 0.50                  | 4.75              | 1.00             | 0.65              | 28                | <80                     |
| TEX058-X-X-4.9     | 0.31                    | 0.31                    | 1.10                  | 3.20                | 0.60                  | 4.90              | 0.80             | 0.65              | 30                | <80                     |
| TEX058-X-X-5.7-15  | 0.30                    | 0.30                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.65              | 15                | <100                    |
| TEX058-X-X-5.7-25  | 0.30                    | 0.30                    | 1.10                  | 4.00                | 0.60                  | 5.70              | 1.10             | 0.65              | 25                | <100                    |
| TEX058-X-X-6.1     | 0.30                    | 0.30                    | 1.50                  | 4.00                | 0.60                  | 6.10              | 1.60             | 1.00              | 34                | <100                    |
| TEX058-X-X-6.3     | 0.30                    | 0.30                    | 1.50                  | 4.00                | 0.80                  | 6.30              | 1.60             | 1.00              | 34                | <100                    |
| TEX058-X-X-6.92    | 0.30                    | 0.30                    | 0.81                  | 5.30                | 0.81                  | 6.92              | 1.00             | 0.73              | 56                | <100                    |
| TEX058-X-X-10.8-20 | 0.30                    | 0.30                    | 1.75                  | 7.30                | 1.75                  | 10.80             | 1.80             | 1.20              | 20                | <150                    |
| TEX058-X-X-10.8-51 | 0.30                    | 0.30                    | 1.75                  | 7.30                | 1.75                  | 10.80             | 2.00             | 1.30              | 51                | <150                    |
| TEX058-X-X-10.8-80 | 0.30                    | 0.30                    | 1.75                  | 7.30                | 1.75                  | 10.80             | 1.80             | 1.20              | 80                | <150                    |
| TEX058-X-X-10.9-20 | 0.32                    | 0.32                    | 1.80                  | 7.30                | 1.80                  | 10.90             | 1.80             | 1.00              | 20                | <150                    |
| TEX058-X-X-10.9-50 | 0.32                    | 0.32                    | 1.80                  | 7.30                | 1.80                  | 10.90             | 1.80             | 1.00              | 50                | <150                    |
| TEX058-X-X-11.4    | 0.30                    | 0.30                    | 1.50                  | 8.40                | 1.50                  | 11.40             | 3.00             | 2.00              | 30                | <150                    |
| TEX058-X-X-11.6    | 0.32                    | 0.32                    | 2.50                  | 7.30                | 1.80                  | 11.60             | 2.40             | 1.64              | 17                | <150                    |

- Mechanical  
Pitch: 0.7mm
- Material and plating  
Plunger 1: SK4/BeCu, Gold plated; PD, No plated  
Plunger 2: SK4/BeCu, Gold plated; PD, No plated  
Barrel: Ph/SP, Gold plated  
Spring: SWP/SUS, Gold plated
- Electrical Specifications  
Current Rating: 3.5Amps

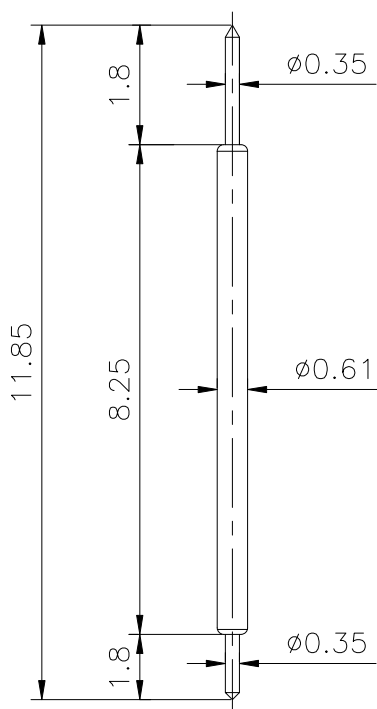
|          |      |      |                              |        |          |
|----------|------|------|------------------------------|--------|----------|
|          | Name | Date | Description:                 | Scale: |          |
| Drawn    |      |      |                              |        |          |
| Approved |      |      |                              |        |          |
| Checked  |      |      |                              |        |          |
| TEX      |      |      | Part NO.: TEX058-X-X-1Series | Index: | Size: A4 |



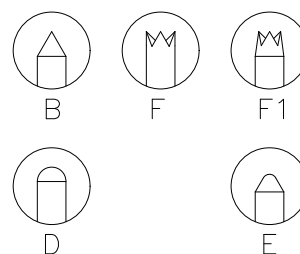
| Model           | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m $\Omega$ ) |
|-----------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|----------------------------------|
| TEX058-X-X-6.2  | 0.38                    | 0.27                    | 1.5                   | 3.90                | 0.80                  | 6.20              | 1.0              | 0.75              | 30                | <100                             |
| TEX058-X-X-8.65 | 0.38                    | 0.30                    | 1.5                   | 6.35                | 0.80                  | 8.65              | 1.2              | 0.80              | 35                | <100                             |
| TEX058-X-X-8.85 | 0.38                    | 0.30                    | 1.5                   | 6.35                | 1.00                  | 8.85              | 1.2              | 0.80              | 35                | <100                             |

- Mechanical  
Pitch: 0.7mm
- Material and plating  
Plunger 1: SK4/BeCU, Gold plated; PD, No plated  
Plunger 2: SK4/BeCu, Gold plated; PD, No plated  
Barrel: Ph/SP, Gold plated  
Spring: SWP/SUS, Gold plated
- Electrical Specifications  
Current Rating: 3.5Amps

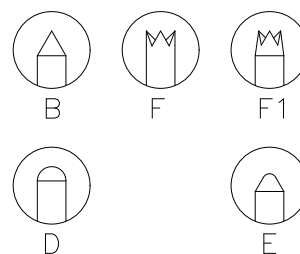
|          |      |      |                              |        |          |
|----------|------|------|------------------------------|--------|----------|
|          | Name | Date | Description:                 | Scale: |          |
| Drawn    |      |      |                              |        |          |
| Approved |      |      |                              |        |          |
| Checked  |      |      |                              |        |          |
| TEX      |      |      | Part NO.: TEX058-X-X-2Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.75mm

Recommended travel: 2.4mm

Full travel: 3.3mm

Spring force:  $30 \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

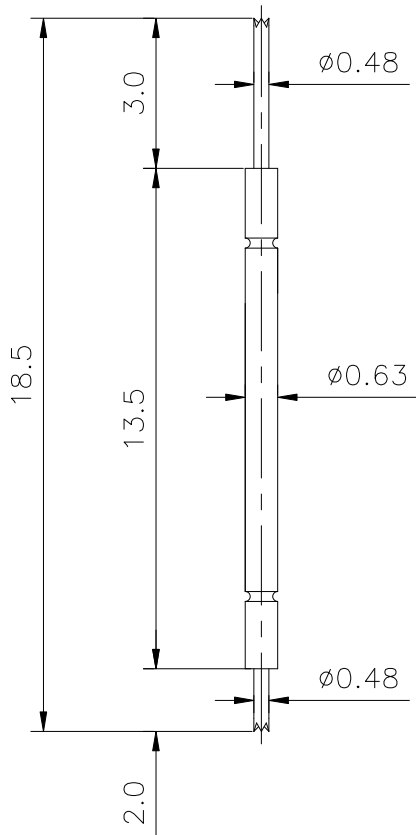
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

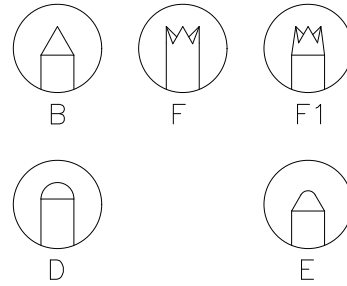
Current Rating: 4Amps

Resistance: Less than 150m $\Omega$

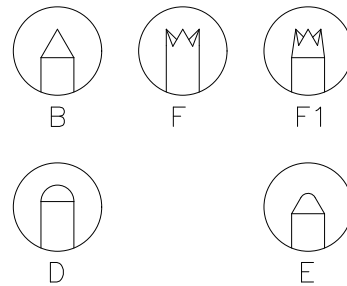
|          |      |      |                            |        |             |
|----------|------|------|----------------------------|--------|-------------|
|          | Name | Date | Description:               | Scale: |             |
| Drawn    |      |      |                            |        |             |
| Approved |      |      |                            |        |             |
| Checked  |      |      |                            |        |             |
|          |      |      | Part NO.: TEX061-X-X-11.85 | Index: | Size:<br>A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.8mm

Recommended travel: 3.0mm

Full travel: 4.0mm

Spring force: 30g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

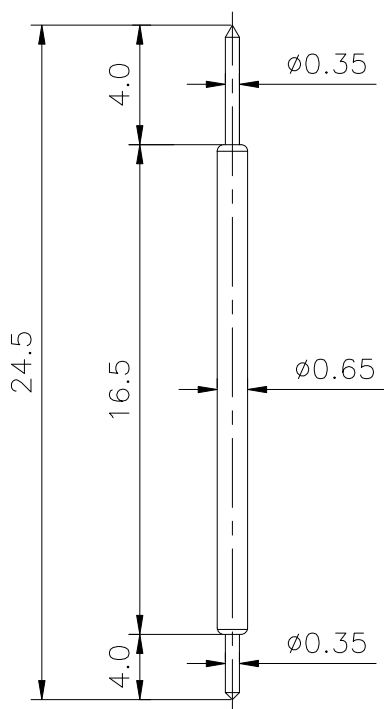
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

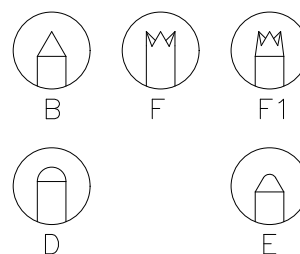
Current Rating: 4Amps

Resistance: Less than 150mΩ

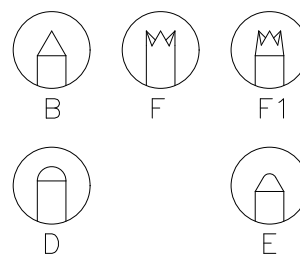
|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX063-X-X-18.5 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.8mm

Recommended travel: 3.2mm

Full travel: 5.0mm

Spring force: 85±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

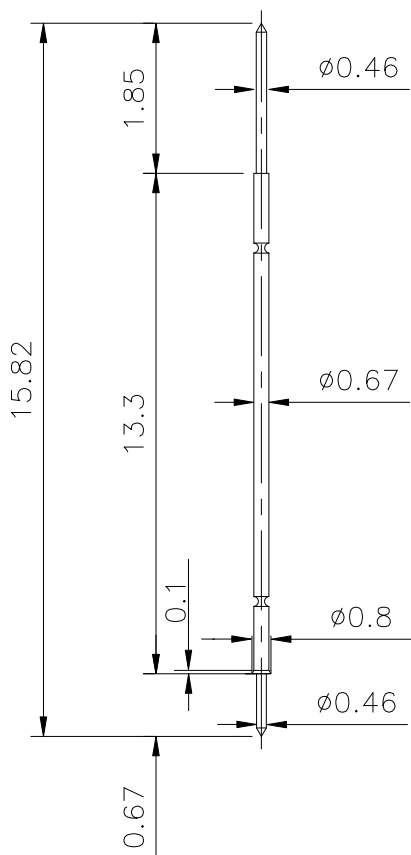
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

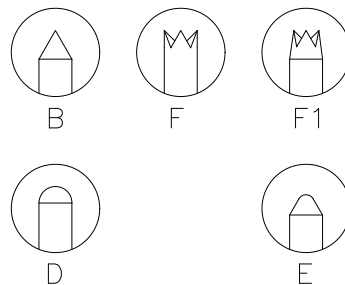
Current Rating: 4Amps

Resistance: Less than 200mΩ

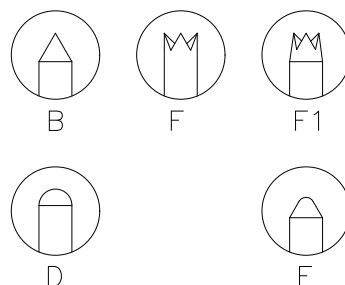
|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX065-X-X-24.5 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.8mm

Recommended travel: 1.6mm

Full travel: 2.5mm

Spring force: 77g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph, Gold plated

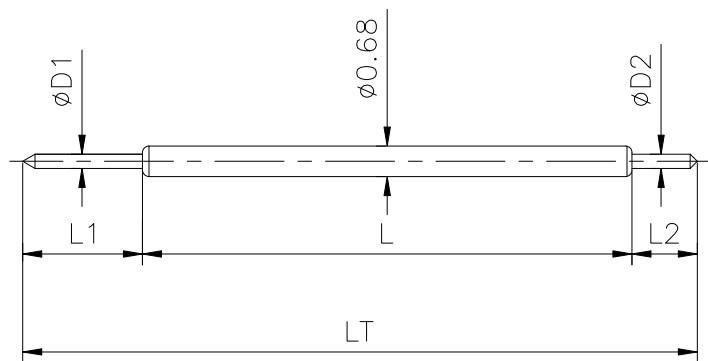
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

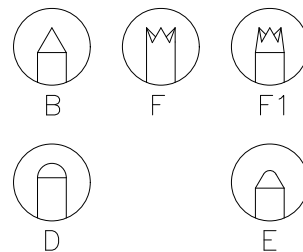
Current Rating: 4.8Amps

Resistance: Less than 150mΩ

|          |      |      |                            |        |          |
|----------|------|------|----------------------------|--------|----------|
|          | Name | Date | Description:               | Scale: |          |
| Drawn    |      |      |                            |        |          |
| Approved |      |      |                            |        |          |
| Checked  |      |      |                            |        |          |
| TEX      |      |      | Part NO.: TEX067-X-X-15.82 | Index: | Size: A4 |



Tip Style



| Model          | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|----------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX068-X-X-8.1 | 0.39                    | 0.39                    | 1.8                   | 4.5                 | 1.8                   | 8.1               | 1.8              | 1.3               | 31                | <100                    |
| TEX068-X-X-8.5 | 0.39                    | 0.39                    | 2.2                   | 4.5                 | 1.8                   | 8.5               | 2.2              | 1.3               | 31                | <100                    |

■ Mechanical

Pitch: 0.8mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

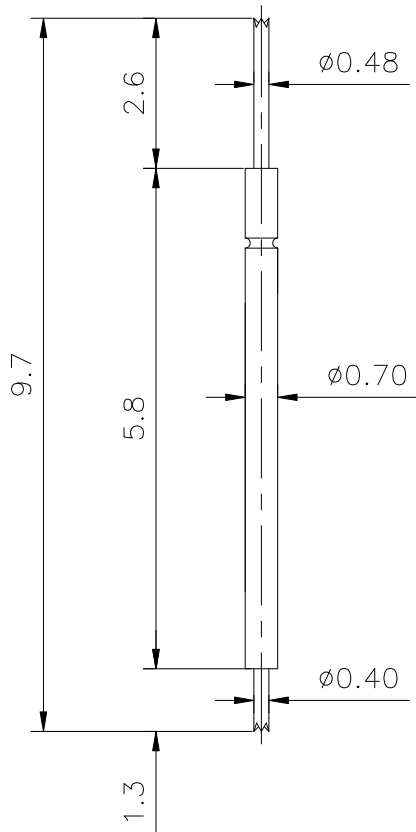
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

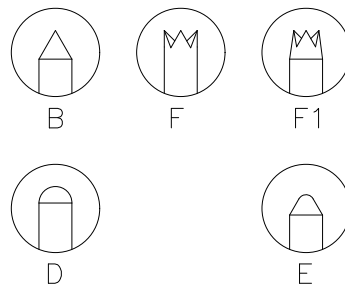
■ Electrical Specifications

Current Rating: 4Amps

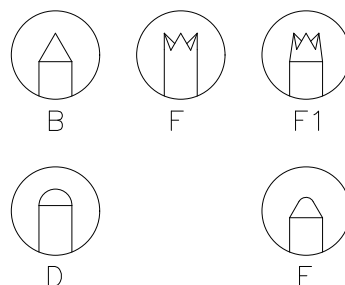
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX068-X-X-Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.9mm

Recommended travel: 1.0mm

Full travel: 1.6mm

Spring force: 80g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

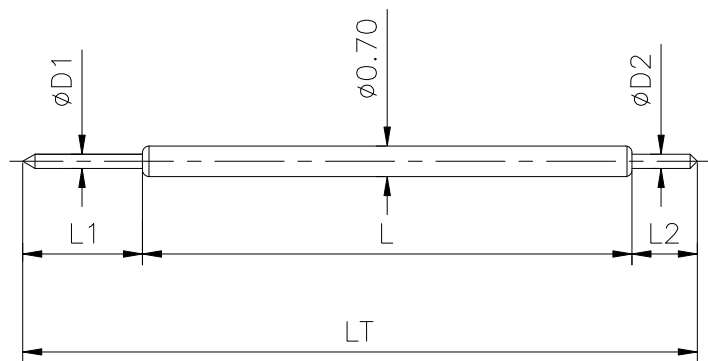
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 4Amps

Resistance: Less than 150mΩ

|          |      |      |                          |        |          |
|----------|------|------|--------------------------|--------|----------|
|          | Name | Date | Description:             | Scale: |          |
| Drawn    |      |      |                          |        |          |
| Approved |      |      |                          |        |          |
| Checked  |      |      |                          |        |          |
| TEX      |      |      | Part NO.: TEX070-X-X-9.7 | Index: | Size: A4 |



Tip Style



B



F



F1



D



E

| Model          | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|----------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX070-X-X-8.1 | 0.4                     | 0.4                     | 1.8                   | 4.5                 | 1.8                   | 8.1               | 1.8              | 1.2               | 28                | <100                    |
| TEX070-X-X-8.5 | 0.4                     | 0.4                     | 2.2                   | 4.5                 | 1.8                   | 8.5               | 2.0              | 1.2               | 28                | <100                    |

■ Mechanical

Pitch: 0.9mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

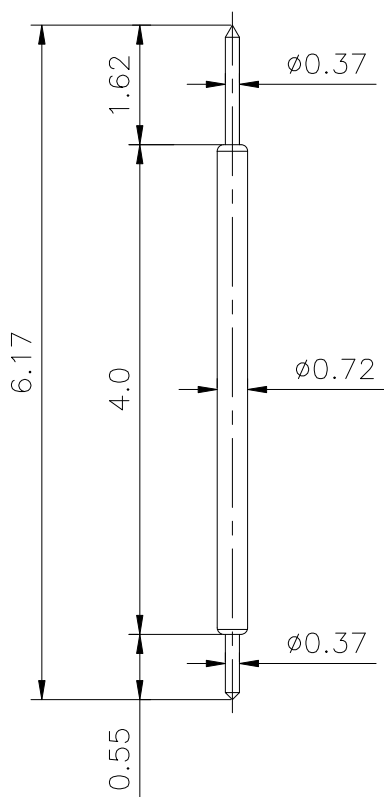
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

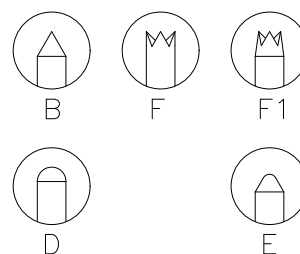
■ Electrical Specifications

Current Rating: 4Amps

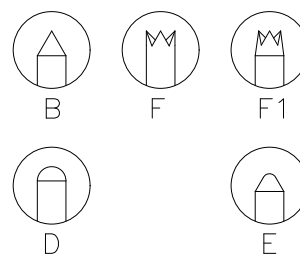
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX070-X-X-Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.9mm

Recommended travel: 1.0mm

Full travel: 1.5mm

Spring force: 22±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

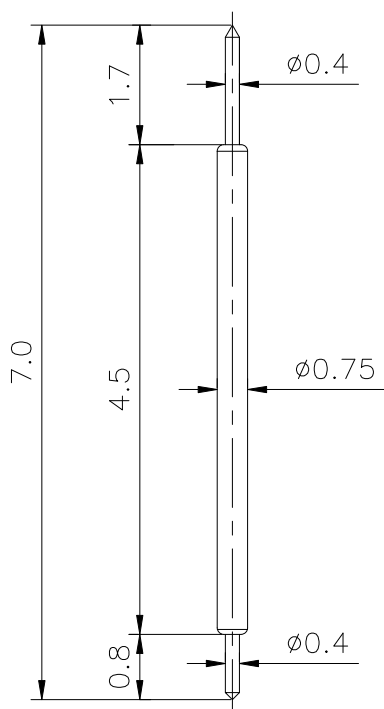
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

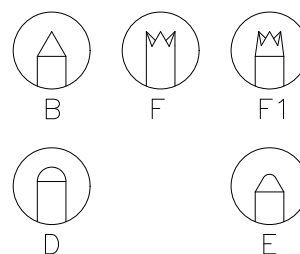
Current Rating: 4Amps

Resistance: Less than 100mΩ

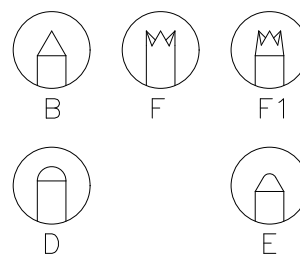
|          |      |      |                            |        |          |
|----------|------|------|----------------------------|--------|----------|
|          | Name | Date | Description:               | Scale: |          |
| Drawn    |      |      |                            |        |          |
| Approved |      |      |                            |        |          |
| Checked  |      |      |                            |        |          |
| TEX      |      |      | Part NO.: TEX072-X-X-6. 17 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.0mm

Recommended travel: 1.0mm

Full travel: 1.6mm

Spring force: 40±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

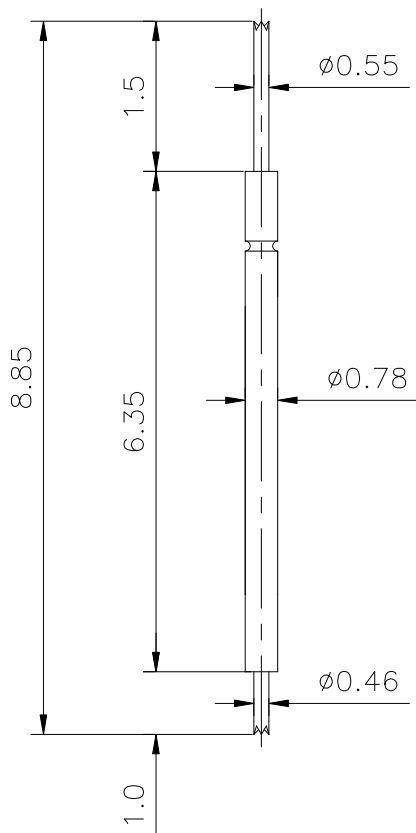
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

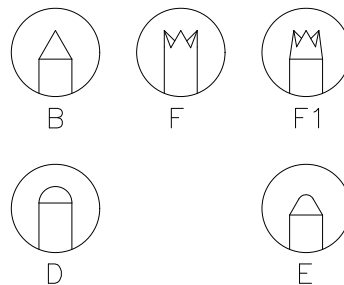
Current Rating: 4Amps

Resistance: Less than 100mΩ

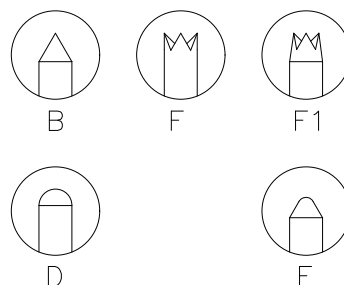
|          |      |      |                        |        |          |
|----------|------|------|------------------------|--------|----------|
|          | Name | Date | Description:           | Scale: |          |
| Drawn    |      |      |                        |        |          |
| Approved |      |      |                        |        |          |
| Checked  |      |      |                        |        |          |
| TEX      |      |      | Part NO.: TEX075-X-X-7 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.0mm

Recommended travel: 0.8mm

Full travel: 1.8mm

Spring force: 15g $\pm$ 20% at recommended travel

30g $\pm$ 20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

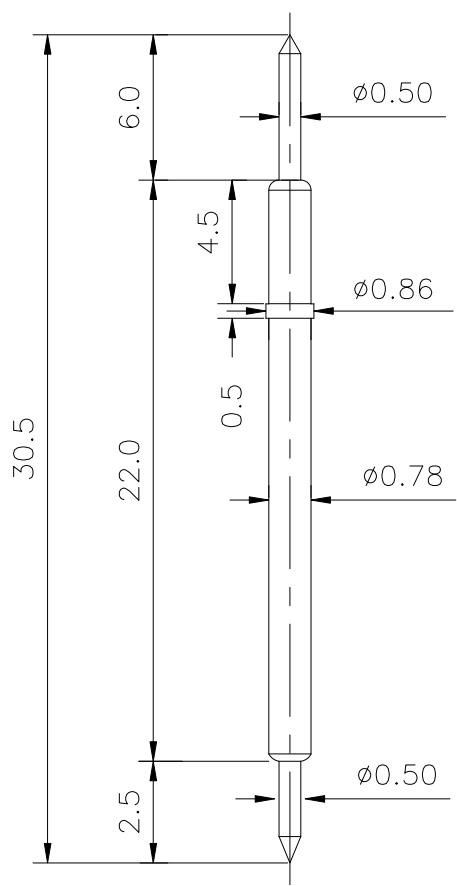
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

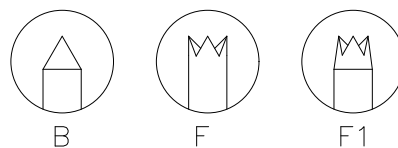
Current Rating: 3Amps

Resistance: Less than 100m $\Omega$

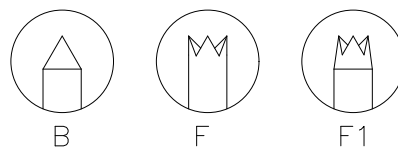
|          |      |      |                           |                 |
|----------|------|------|---------------------------|-----------------|
|          | Name | Date | Description:              | Scale:          |
| Drawn    |      |      |                           |                 |
| Approved |      |      |                           |                 |
| Checked  |      |      |                           |                 |
| TEX      |      |      | Part NO.: TEX078-X-X-8.85 | Index: Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.0mm

Recommended travel: 5.0mm

Full travel: 7.5mm

Spring force: 80g $\pm$ 20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCu, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCu, Gold plated; PD, No plated

Barrel: Ph, Gold plated

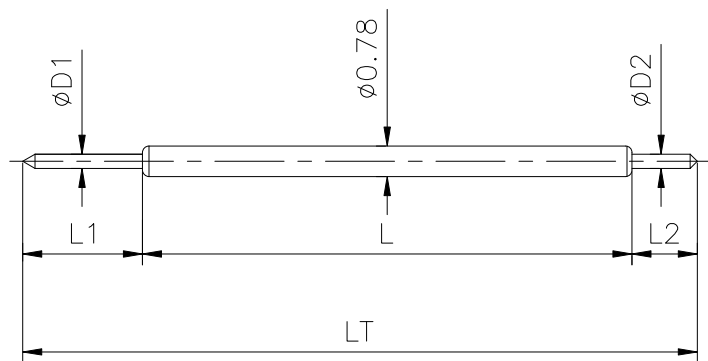
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

Current Rating: 3Amps

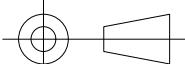
Resistance: Less than 200m $\Omega$

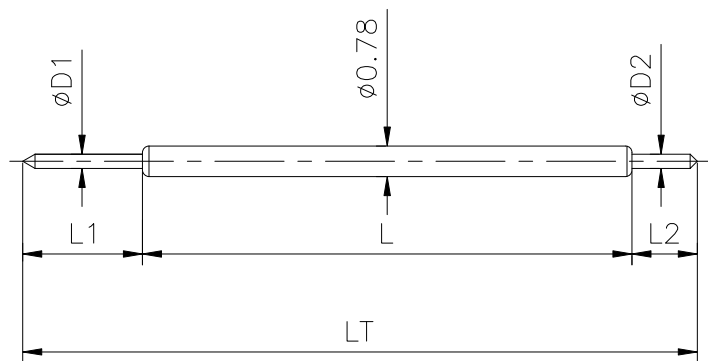
|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX078-X-X-30.5 | Index: | Size: A4 |



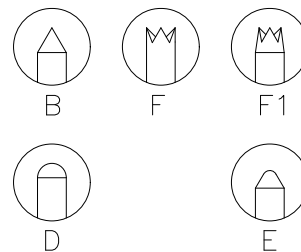
| Model             | Plunger Diameter<br>1<br>(mm) | Plunger Diameter<br>2<br>(mm) | Plunger Length<br>1<br>(mm) | Plunger Length<br>(mm) | Plunger Length<br>2<br>(mm) | Total Length<br>(mm) | Full Stroke<br>(mm) | Rated Stroke<br>(mm) | Spring Force<br>(gf) | Contact Resistance<br>(mΩ) |
|-------------------|-------------------------------|-------------------------------|-----------------------------|------------------------|-----------------------------|----------------------|---------------------|----------------------|----------------------|----------------------------|
| TEX078-X-X-4.45   | 0.51                          | 0.51                          | 0.8                         | 2.85                   | 0.8                         | 4.45                 | 1.0                 | 0.7                  | 34                   | <80                        |
| TEX078-X-X-5.7-30 | 0.46                          | 0.46                          | 1.1                         | 4.00                   | 0.6                         | 5.70                 | 1.5                 | 0.8                  | 30                   | <100                       |
| TEX078-X-X-5.7-50 | 0.46                          | 0.46                          | 1.1                         | 4.00                   | 0.6                         | 5.70                 | 1.5                 | 0.8                  | 50                   | <100                       |
| TEX078-X-X-6.3-22 | 0.50                          | 0.50                          | 1.5                         | 4.00                   | 0.8                         | 6.30                 | 1.5                 | 1.0                  | 22                   | <100                       |
| TEX078-X-X-6.3-34 | 0.50                          | 0.50                          | 1.5                         | 4.00                   | 0.8                         | 6.30                 | 1.5                 | 1.0                  | 34                   | <100                       |
| TEX078-X-X-6.5    | 0.50                          | 0.50                          | 1.6                         | 4.00                   | 0.9                         | 6.50                 | 1.5                 | 0.8                  | 34                   | <100                       |
| TEX078-X-X-26-48  | 0.50                          | 0.50                          | 5.0                         | 19.00                  | 2.0                         | 26.00                | 5.6                 | 3.7                  | 48                   | <200                       |
| TEX078-X-X-26-70  | 0.50                          | 0.50                          | 5.0                         | 19.00                  | 2.0                         | 26.00                | 5.0                 | 3.5                  | 70                   | <200                       |
| TEX078-X-X-26-150 | 0.50                          | 0.50                          | 5.0                         | 19.00                  | 2.0                         | 26.00                | 5.0                 | 3.5                  | 150                  | <200                       |

- Mechanical
  - Pitch: 1.0mm
- Material and plating
  - Plunger 1: SK4/BeCu, Gold plated; PD, No plated
  - Plunger 2: SK4/BeCu, Gold plated; PD, No plated
  - Barrel: Ph/SP, Gold plated
  - Spring: SWP/SUS, Gold plated
- Electrical Specifications
  - Current Rating: 3Amps

|                                                                 |      |      |                                    |                                                                                       |             |
|-----------------------------------------------------------------|------|------|------------------------------------|---------------------------------------------------------------------------------------|-------------|
|                                                                 | Name | Date | Description:                       | Scale:                                                                                |             |
| Drawn                                                           |      |      |                                    |  |             |
| Approved                                                        |      |      |                                    |                                                                                       |             |
| Checked                                                         |      |      |                                    |                                                                                       |             |
| <div style="font-size: 48px; font-family: monospace;">TEX</div> |      |      | Part NO.: <b>TEX078-X-X-Series</b> | Index:                                                                                | Size:<br>A4 |



Tip Style



| Model           | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length 2 (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|-----------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX081-X-X-3.3  | 0.6                     | 0.6                     | 0.80                  | 2.05                  | 0.45                  | 3.3               | 0.9              | 0.70              | 38                | <80                     |
| TEX081-X-X-3.4  | 0.6                     | 0.6                     | 0.79                  | 2.15                  | 0.46                  | 3.4               | 0.7              | 0.45              | 40                | <80                     |
| TEX081-X-X-14.2 | 0.5                     | 0.5                     | 2.30                  | 10.00                 | 1.90                  | 14.2              | 2.6              | 1.00              | 30                | <150                    |

■ Mechanical

Pitch: 1.1mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

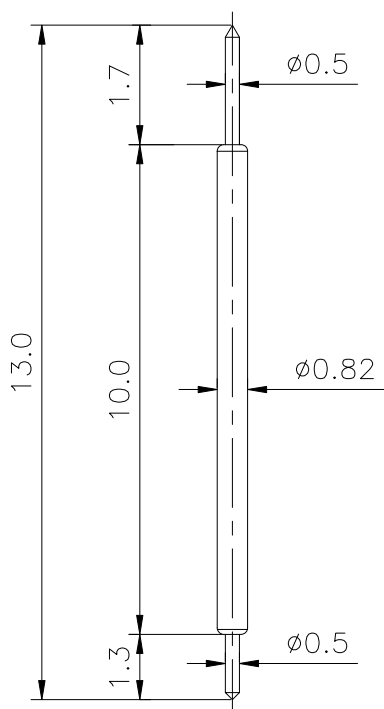
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

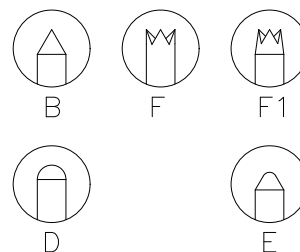
■ Electrical Specifications

Current Rating: 4Amps

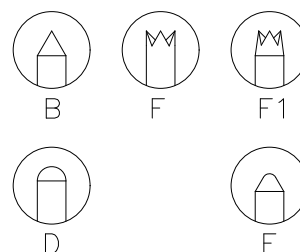
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX081-X-X-Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.1mm

Recommended travel: 2.0mm

Full travel: 3.0mm

Spring force: 25±20% at recommended travel

51±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

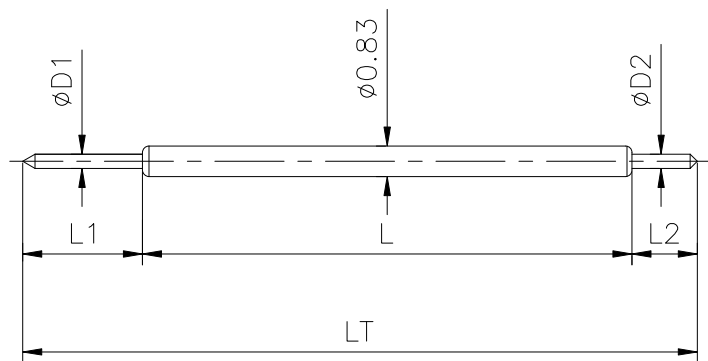
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

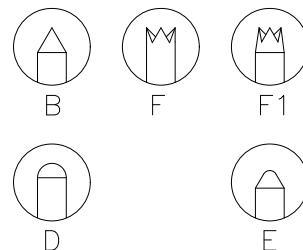
Current Rating: 4Amps

Resistance: Less than 150mΩ

|                |      |      |                            |        |             |
|----------------|------|------|----------------------------|--------|-------------|
|                | Name | Date | Description:               | Scale: |             |
| Drawn          |      |      |                            |        |             |
| Approved       |      |      |                            |        |             |
| Checked        |      |      |                            |        |             |
| <div>TEX</div> |      |      | Part NO.:<br>TEX082-X-X-13 | Index: | Size:<br>A4 |



Tip Style



| Model              | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|--------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX083-X-X-11.1    | 0.5                     | 0.5                     | 1.8                   | 7.5                 | 1.8                   | 11.1              | 2.4              | 1.0               | 30                | <150                    |
| TEX083-X-X-11.8    | 0.5                     | 0.5                     | 1.8                   | 8.2                 | 1.8                   | 11.8              | 2.0              | 1.0               | 30                | <150                    |
| TEX083-X-X-13      | 0.5                     | 0.5                     | 1.8                   | 10.0                | 1.2                   | 13.0              | 3.0              | 1.0               | 30                | <150                    |
| TEX083-X-X-13.5    | 0.5                     | 0.5                     | 2.5                   | 10.0                | 1.0                   | 13.5              | 3.0              | 1.5               | 90                | <150                    |
| TEX083-X-X-13.6-18 | 0.5                     | 0.5                     | 1.8                   | 10.0                | 1.8                   | 13.6              | 1.8              | 0.8               | 18                | <150                    |
| TEX083-X-X-13.6-25 | 0.5                     | 0.5                     | 1.8                   | 10.0                | 1.8                   | 13.6              | 1.8              | 0.8               | 25                | <150                    |
| TEX083-X-X-16      | 0.5                     | 0.5                     | 5.0                   | 10.0                | 1.0                   | 16.0              | 3.0              | 1.5               | 90                | <150                    |

■ Mechanical

Pitch: 1.1mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

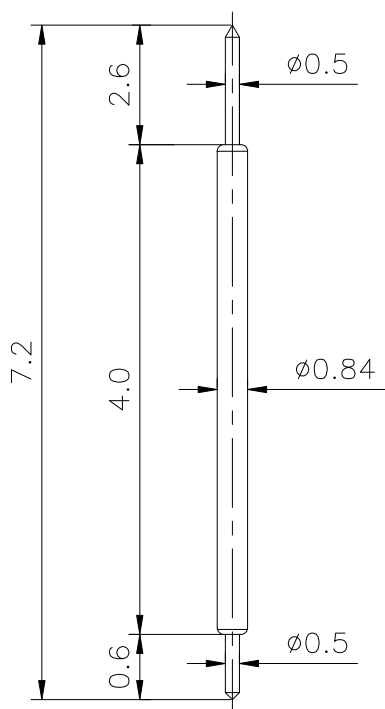
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

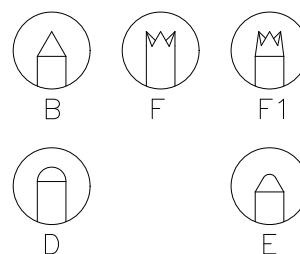
■ Electrical Specifications

Current Rating: 4Amps

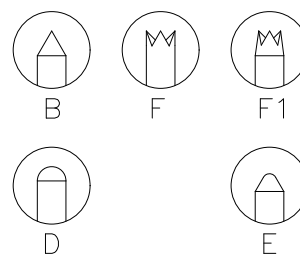
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX083-X-X-Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.1mm

Recommended travel: 1.3mm

Full travel: 1.6mm

Spring force: 35±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

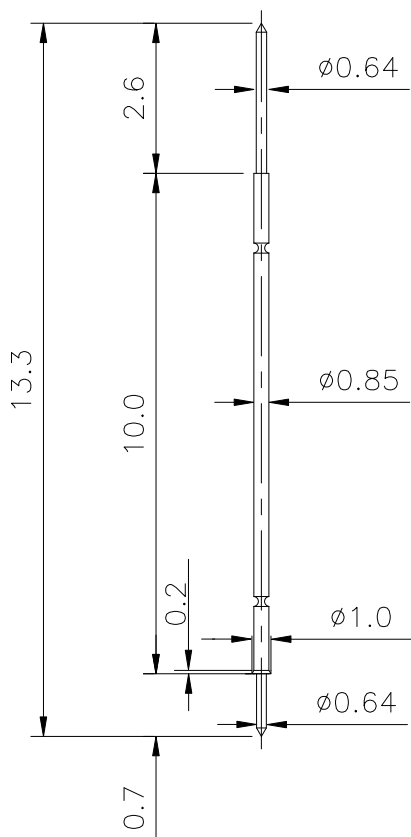
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

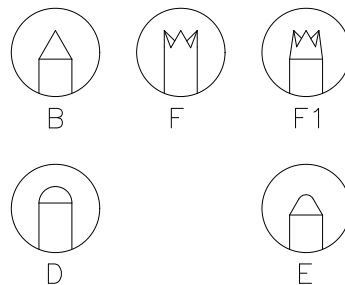
Current Rating: 4Amps

Resistance: Less than 100mΩ

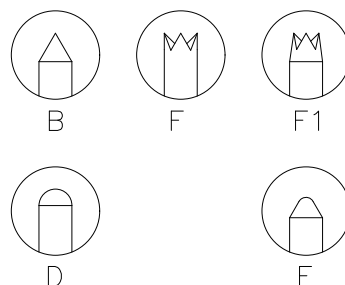
|          |      |      |                          |        |          |
|----------|------|------|--------------------------|--------|----------|
|          | Name | Date | Description:             | Scale: |          |
| Drawn    |      |      |                          |        |          |
| Approved |      |      |                          |        |          |
| Checked  |      |      |                          |        |          |
| TEX      |      |      | Part NO.: TEX084-X-X-7.2 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.2mm

Recommended travel: 1.5mm

Full travel: 2.0mm

Spring force: 56g±20% at recommended travel

68g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph, Gold plated

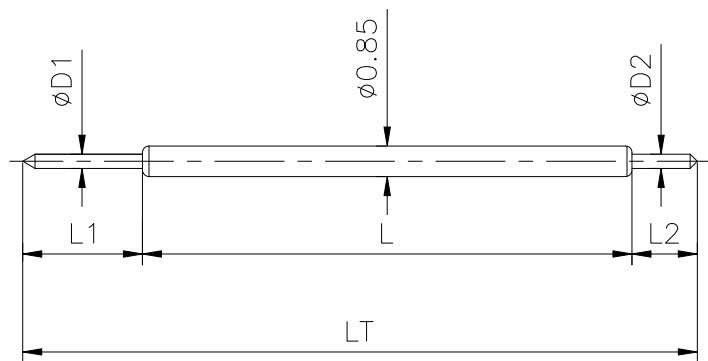
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

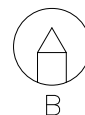
Current Rating: 4.5Amps

Resistance: Less than 150mΩ

|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX085-X-X-13.3 | Index: | Size: A4 |



Tip Style



B



F



F1



D



E

| Model             | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m Ω) |
|-------------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|--------------------------|
| TEX085-X-X-5.7-22 | 0.5                     | 0.5                     | 1.1                   | 4.0                 | 0.6                   | 5.7               | 1.1              | 0.65              | 22                | <100                     |
| TEX085-X-X-5.7-30 | 0.5                     | 0.5                     | 1.1                   | 4.0                 | 0.6                   | 5.7               | 1.1              | 0.65              | 30                | <100                     |
| TEX085-X-X-6.1    | 0.5                     | 0.5                     | 1.5                   | 4.0                 | 0.6                   | 6.1               | 1.6              | 1.20              | 35                | <100                     |
| TEX085-X-X-12.8   | 0.5                     | 0.5                     | 2.5                   | 8.8                 | 1.5                   | 12.8              | 4.0              | 2.00              | 35                | <100                     |

■ Mechanical

Pitch: 1.2mm

■ Material and plating

Plunger 1: SK4/BeCu, Gold plated; PD, No plated

Plunger 2: SK4/BeCu, Gold plated; PD, No plated

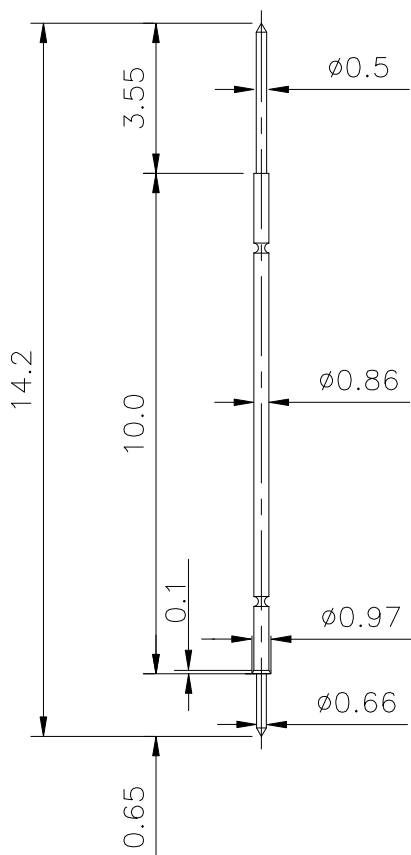
Barrel: Ph/SP, Gold plated

Spring: SWP/SUS, Gold plated

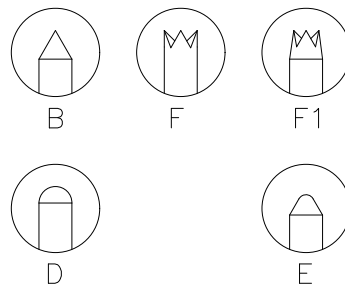
■ Electrical Specifications

Current Rating: 4.5Amps

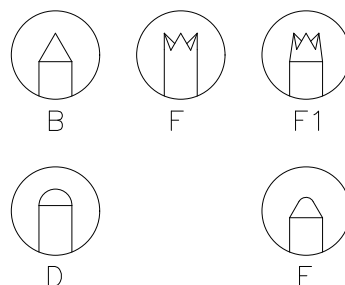
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX085-X-X-Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.2mm

Recommended travel: 2.27mm

Full travel: 3.0mm

Spring force: 57g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated; PD, No plated

Bottom Plunger: SK4/BeCU, Gold plated; PD, No plated

Barrel: Ph, Gold plated

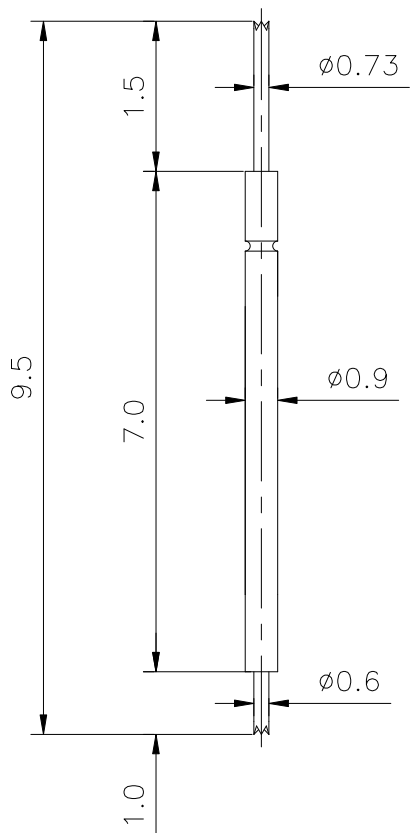
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

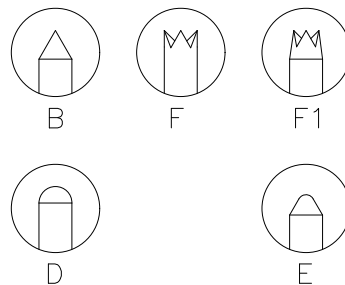
Current Rating: 4.5Amps

Resistance: Less than 150mΩ

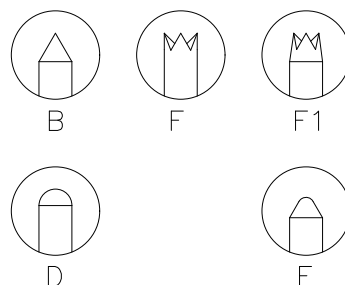
|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX086-X-X-14.2 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.2mm

Recommended travel: 1.0mm

Full travel: 1.5mm

Spring force: 40g±20% at recommended travel

50g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated

Bottom Plunger: SK4/BeCU, Gold plated

Barrel: Ph, Gold plated

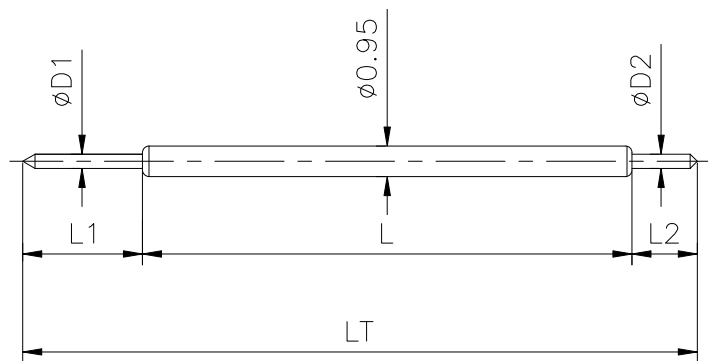
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

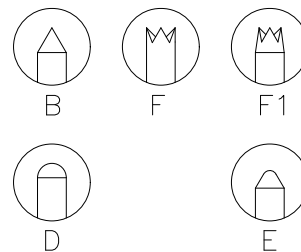
Current Rating: 4.5Amps

Resistance: Less than 150mΩ

|          |      |      |                          |        |          |
|----------|------|------|--------------------------|--------|----------|
|          | Name | Date | Description:             | Scale: |          |
| Drawn    |      |      |                          |        |          |
| Approved |      |      |                          |        |          |
| Checked  |      |      |                          |        |          |
| TEX      |      |      | Part NO.: TEX090-X-X-9.5 | Index: | Size: A4 |



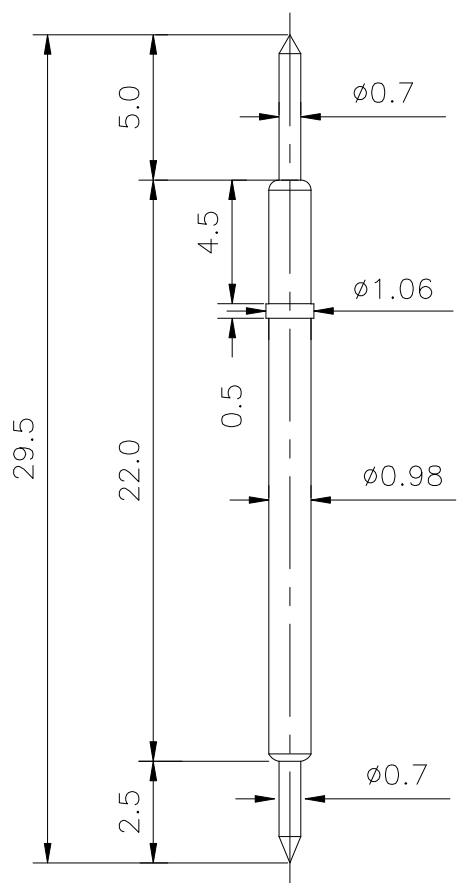
Tip Style



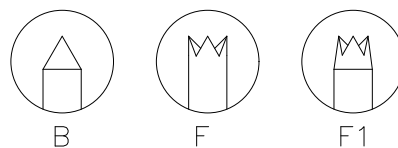
| Model           | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (mΩ) |
|-----------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|-------------------------|
| TEX095-X-X-8.63 | 0.6                     | 0.6                     | 2.03                  | 5.85                | 0.75                  | 8.63              | 1.8              | 1.3               | 35                | <100                    |
| TEX095-X-X-9.63 | 0.6                     | 0.6                     | 3.03                  | 5.85                | 0.75                  | 9.63              | 2.5              | 1.5               | 35                | <100                    |

- Mechanical  
Pitch: 1.2mm
- Material and plating  
Plunger 1: SK4/BeCu, Gold plated  
Plunger 2: SK4/BeCu, Gold plated  
Barrel: Ph, Gold plated  
Spring: SWP/SUS, Gold plated
- Electrical Specifications  
Current Rating: 4.5Amps

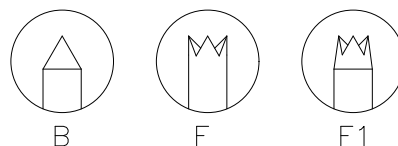
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX095-X-X-Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.2mm

Recommended travel: 4.5mm

Full travel: 6.5mm

Spring force: 80g $\pm$ 20% at recommended travel  
120g $\pm$ 20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated

Bottom Plunger: SK4/BeCU, Gold plated

Barrel: Ph, Gold plated

Spring: SWP/SUS, Gold plated

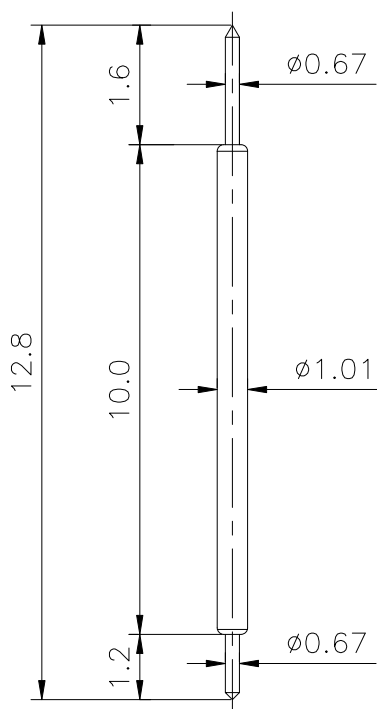
■ Electrical Specifications

Current Rating: 4.5Amps

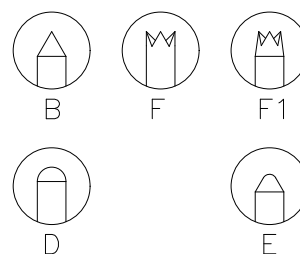
Resistance: Less than 200m $\Omega$

|          |      |      |                           |                 |
|----------|------|------|---------------------------|-----------------|
|          | Name | Date | Description:              | Scale:          |
| Drawn    |      |      |                           |                 |
| Approved |      |      |                           |                 |
| Checked  |      |      |                           |                 |
| TEX      |      |      | Part NO.: TEX098-X-X-29.5 | Index: Size: A4 |

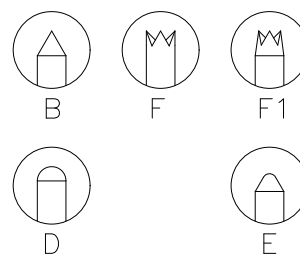
|                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                       | 3                           | 4                   |                       |                         |                         |                       |                     |                                  |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------|---------------------|-----------------------|-------------------------|-------------------------|-----------------------|---------------------|----------------------------------|-------------------|------------------|-------------------|-------------------|----------------------------------|----------------|---------|------|------|-----|------|-----|-----------------------------|-----------------|----|------|-------------------|------|------|------|-----|------|-----|-----|-----|----|------|-------------------|------|------|------|-----|------|-----|-----|-----|----|------|-------------------|------|------|------|-----|------|-----|-----|-----|----|------|-------------------|------|------|------|-----|------|-----|-----|-----|----|------|-----------------|------|------|------|-----|------|------|-----|-----|----|------|--------------------|------|------|------|------|------|------|-----|-----|----|------|--------------------|------|------|------|------|------|------|-----|-----|----|------|---------------------|------|------|------|------|------|------|-----|-----|-----|------|---------------------|------|------|------|------|------|------|-----|-----|-----|------|---------------------|------|------|------|------|------|------|-----|-----|-----|------|-----------------|------|------|------|------|------|------|-----|-----|----|------|---|
| A                   | <div><div></div><div><p>Tip Style</p><div><p>B</p></div><div><p>F</p></div><div><p>F1</p></div><div><p>D</p></div><div><p>E</p></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |                             |                     | A                     |                         |                         |                       |                     |                                  |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| B                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                             |                     | B                     |                         |                         |                       |                     |                                  |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| C                   | <table><tr><th>Model</th><th>Plunger Diameter 1 (mm)</th><th>Plunger Diameter 2 (mm)</th><th>Plunger Length 1 (mm)</th><th>Plunger Length (mm)</th><th>Plunger Length 2 (mm)</th><th>Total Length (mm)</th><th>Full Stroke (mm)</th><th>Rated Stroke (mm)</th><th>Spring Force (gf)</th><th>Contact Resistance (m <math>\Omega</math>)</th></tr><tr><td>TEX100-X-X-7.3</td><td>0.59</td><td>0.59</td><td>1.25</td><td>4.8</td><td>1.25</td><td>7.3</td><td>1.9</td><td>1.3</td><td>25</td><td>&lt;100</td></tr><tr><td>TEX100-X-X-7.6-20</td><td>0.60</td><td>0.60</td><td>1.60</td><td>4.8</td><td>1.20</td><td>7.6</td><td>2.0</td><td>1.3</td><td>20</td><td>&lt;100</td></tr><tr><td>TEX100-X-X-7.6-25</td><td>0.60</td><td>0.60</td><td>1.60</td><td>4.8</td><td>1.20</td><td>7.6</td><td>2.0</td><td>1.3</td><td>25</td><td>&lt;100</td></tr><tr><td>TEX100-X-X-7.6-40</td><td>0.60</td><td>0.60</td><td>1.60</td><td>4.8</td><td>1.20</td><td>7.6</td><td>2.0</td><td>1.3</td><td>40</td><td>&lt;100</td></tr><tr><td>TEX100-X-X-7.6-50</td><td>0.60</td><td>0.60</td><td>1.60</td><td>4.8</td><td>1.20</td><td>7.6</td><td>2.0</td><td>1.3</td><td>50</td><td>&lt;100</td></tr><tr><td>TEX100-X-X-10.8</td><td>0.65</td><td>0.65</td><td>1.80</td><td>7.2</td><td>1.80</td><td>10.8</td><td>1.8</td><td>1.0</td><td>31</td><td>&lt;150</td></tr><tr><td>TEX100-X-X-13.1-28</td><td>0.64</td><td>0.64</td><td>1.90</td><td>10.0</td><td>1.20</td><td>13.1</td><td>3.1</td><td>2.0</td><td>28</td><td>&lt;150</td></tr><tr><td>TEX100-X-X-13.1-70</td><td>0.64</td><td>0.64</td><td>1.90</td><td>10.0</td><td>1.20</td><td>13.1</td><td>3.1</td><td>2.0</td><td>70</td><td>&lt;150</td></tr><tr><td>TEX100-X-X-13.1-100</td><td>0.64</td><td>0.64</td><td>1.90</td><td>10.0</td><td>1.20</td><td>13.1</td><td>3.1</td><td>2.0</td><td>100</td><td>&lt;150</td></tr><tr><td>TEX100-X-X-13.1-140</td><td>0.64</td><td>0.64</td><td>1.90</td><td>10.0</td><td>1.20</td><td>13.1</td><td>3.1</td><td>2.0</td><td>140</td><td>&lt;150</td></tr><tr><td>TEX100-X-X-13.1-210</td><td>0.64</td><td>0.64</td><td>1.90</td><td>10.0</td><td>1.20</td><td>13.1</td><td>3.1</td><td>2.0</td><td>210</td><td>&lt;150</td></tr><tr><td>TEX100-X-X-16.6</td><td>0.64</td><td>0.64</td><td>3.50</td><td>11.6</td><td>1.50</td><td>16.6</td><td>5.0</td><td>2.0</td><td>35</td><td>&lt;150</td></tr></table> |                         |                             |                     | Model                 | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm)            | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m $\Omega$ ) | TEX100-X-X-7.3 | 0.59    | 0.59 | 1.25 | 4.8 | 1.25 | 7.3 | 1.9                         | 1.3             | 25 | <100 | TEX100-X-X-7.6-20 | 0.60 | 0.60 | 1.60 | 4.8 | 1.20 | 7.6 | 2.0 | 1.3 | 20 | <100 | TEX100-X-X-7.6-25 | 0.60 | 0.60 | 1.60 | 4.8 | 1.20 | 7.6 | 2.0 | 1.3 | 25 | <100 | TEX100-X-X-7.6-40 | 0.60 | 0.60 | 1.60 | 4.8 | 1.20 | 7.6 | 2.0 | 1.3 | 40 | <100 | TEX100-X-X-7.6-50 | 0.60 | 0.60 | 1.60 | 4.8 | 1.20 | 7.6 | 2.0 | 1.3 | 50 | <100 | TEX100-X-X-10.8 | 0.65 | 0.65 | 1.80 | 7.2 | 1.80 | 10.8 | 1.8 | 1.0 | 31 | <150 | TEX100-X-X-13.1-28 | 0.64 | 0.64 | 1.90 | 10.0 | 1.20 | 13.1 | 3.1 | 2.0 | 28 | <150 | TEX100-X-X-13.1-70 | 0.64 | 0.64 | 1.90 | 10.0 | 1.20 | 13.1 | 3.1 | 2.0 | 70 | <150 | TEX100-X-X-13.1-100 | 0.64 | 0.64 | 1.90 | 10.0 | 1.20 | 13.1 | 3.1 | 2.0 | 100 | <150 | TEX100-X-X-13.1-140 | 0.64 | 0.64 | 1.90 | 10.0 | 1.20 | 13.1 | 3.1 | 2.0 | 140 | <150 | TEX100-X-X-13.1-210 | 0.64 | 0.64 | 1.90 | 10.0 | 1.20 | 13.1 | 3.1 | 2.0 | 210 | <150 | TEX100-X-X-16.6 | 0.64 | 0.64 | 3.50 | 11.6 | 1.50 | 16.6 | 5.0 | 2.0 | 35 | <150 | C |
| Model               | Plunger Diameter 1 (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Plunger Diameter 2 (mm) | Plunger Length 1 (mm)       | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm)       | Full Stroke (mm)        | Rated Stroke (mm)     | Spring Force (gf)   | Contact Resistance (m $\Omega$ ) |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-7.3      | 0.59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.59                    | 1.25                        | 4.8                 | 1.25                  | 7.3                     | 1.9                     | 1.3                   | 25                  | <100                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-7.6-20   | 0.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.60                    | 1.60                        | 4.8                 | 1.20                  | 7.6                     | 2.0                     | 1.3                   | 20                  | <100                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-7.6-25   | 0.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.60                    | 1.60                        | 4.8                 | 1.20                  | 7.6                     | 2.0                     | 1.3                   | 25                  | <100                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-7.6-40   | 0.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.60                    | 1.60                        | 4.8                 | 1.20                  | 7.6                     | 2.0                     | 1.3                   | 40                  | <100                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-7.6-50   | 0.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.60                    | 1.60                        | 4.8                 | 1.20                  | 7.6                     | 2.0                     | 1.3                   | 50                  | <100                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-10.8     | 0.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.65                    | 1.80                        | 7.2                 | 1.80                  | 10.8                    | 1.8                     | 1.0                   | 31                  | <150                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-13.1-28  | 0.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.64                    | 1.90                        | 10.0                | 1.20                  | 13.1                    | 3.1                     | 2.0                   | 28                  | <150                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-13.1-70  | 0.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.64                    | 1.90                        | 10.0                | 1.20                  | 13.1                    | 3.1                     | 2.0                   | 70                  | <150                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-13.1-100 | 0.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.64                    | 1.90                        | 10.0                | 1.20                  | 13.1                    | 3.1                     | 2.0                   | 100                 | <150                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-13.1-140 | 0.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.64                    | 1.90                        | 10.0                | 1.20                  | 13.1                    | 3.1                     | 2.0                   | 140                 | <150                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-13.1-210 | 0.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.64                    | 1.90                        | 10.0                | 1.20                  | 13.1                    | 3.1                     | 2.0                   | 210                 | <150                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX100-X-X-16.6     | 0.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.64                    | 3.50                        | 11.6                | 1.50                  | 16.6                    | 5.0                     | 2.0                   | 35                  | <150                             |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| D                   | <div><div>■ Mechanical</div><div>Pitch: 1.2mm</div><div>■ Material and plating</div><div>Plunger 1: SK4/BeCu, Gold plated</div><div>Plunger 2: SK4/BeCu, Gold plated</div><div>Barrel: Ph, Gold plated</div><div>Spring: SWP/SUS, Gold plated</div><div>■ Electrical Specifications</div><div>Current Rating: 4.5Amps</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |                             |                     | D                     |                         |                         |                       |                     |                                  |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| E                   | <table><tr><td></td><td>Name</td><td>Date</td><td rowspan="4">Description:</td><td>Scale:</td></tr><tr><td>Drawn</td><td></td><td></td><td rowspan="3"></td></tr><tr><td>Approved</td><td></td><td></td></tr><tr><td>Checked</td><td></td><td></td></tr><tr><td colspan="3">TEX</td><td>Part NO.: TEX100-X-X-Series</td><td>Index: Size: A4</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                             |                     |                       | Name                    | Date                    | Description:          | Scale:              | Drawn                            |                   |                  |                   | Approved          |                                  |                | Checked |      |      | TEX |      |     | Part NO.: TEX100-X-X-Series | Index: Size: A4 | E  |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
|                     | Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date                    | Description:                | Scale:              |                       |                         |                         |                       |                     |                                  |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| Drawn               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                             |                     |                       |                         |                         |                       |                     |                                  |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| Approved            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                             |                     |                       |                         |                         |                       |                     |                                  |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| Checked             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                             |                     |                       |                         |                         |                       |                     |                                  |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
| TEX                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         | Part NO.: TEX100-X-X-Series | Index: Size: A4     |                       |                         |                         |                       |                     |                                  |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |
|                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                       | 3                           | 4                   |                       |                         |                         |                       |                     |                                  |                   |                  |                   |                   |                                  |                |         |      |      |     |      |     |                             |                 |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                   |      |      |      |     |      |     |     |     |    |      |                 |      |      |      |     |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                    |      |      |      |      |      |      |     |     |    |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                     |      |      |      |      |      |      |     |     |     |      |                 |      |      |      |      |      |      |     |     |    |      |   |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.2mm

Recommended travel: 1.3mm

Full travel: 2.0mm

Spring force:  $20 \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated

Bottom Plunger: SK4/BeCU, Gold plated

Barrel: Ph, Gold plated

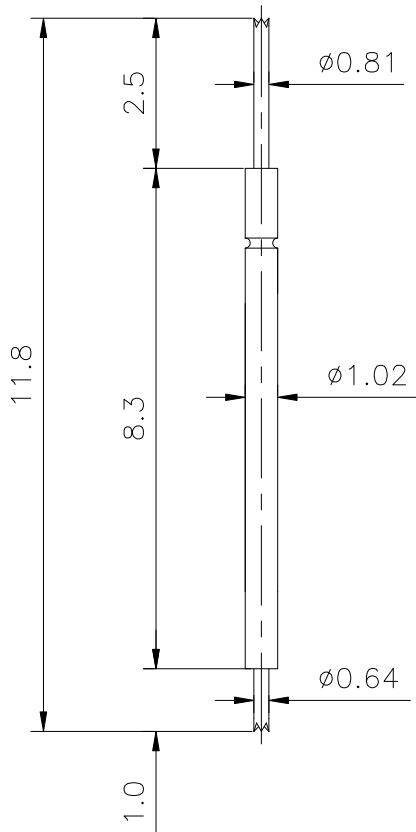
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

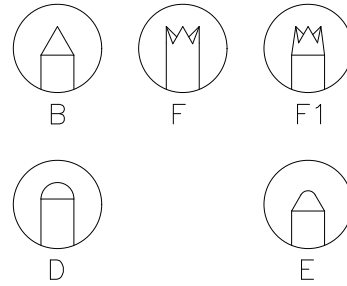
Current Rating: 4.5Amps

Resistance: Less than 150m $\Omega$

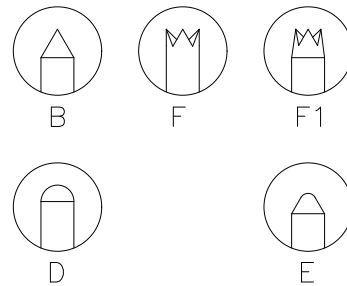
|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX101-X-X-12.8 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.2mm

Recommended travel: 1.7mm

Full travel: 2.5mm

Spring force: 85g±20% at recommended travel

105g±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated

Bottom Plunger: SK4/BeCU, Gold plated

Barrel: Ph, Gold plated

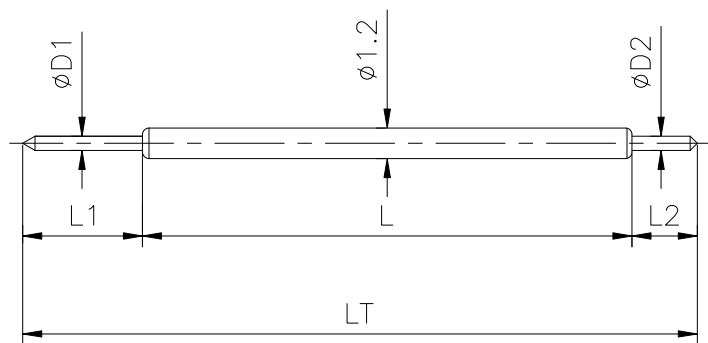
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

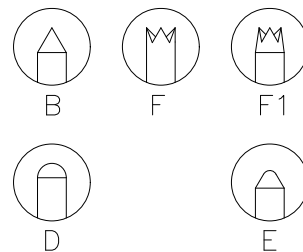
Current Rating: 4.5Amps

Resistance: Less than 150mΩ

|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX102-X-X-11.8 | Index: | Size: A4 |



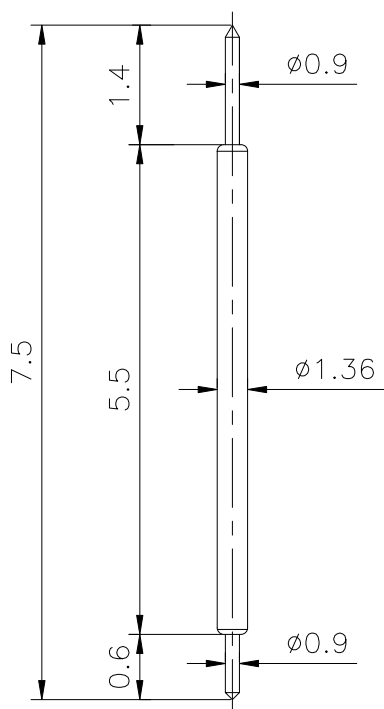
Tip Style



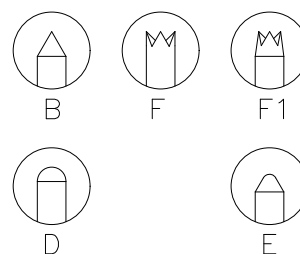
| Model           | Plunger Diameter 1 (mm) | Plunger Diameter 2 (mm) | Plunger Length 1 (mm) | Plunger Length (mm) | Plunger Length 2 (mm) | Total Length (mm) | Full Stroke (mm) | Rated Stroke (mm) | Spring Force (gf) | Contact Resistance (m $\Omega$ ) |
|-----------------|-------------------------|-------------------------|-----------------------|---------------------|-----------------------|-------------------|------------------|-------------------|-------------------|----------------------------------|
| TEX120-X-X-19   | 0.6                     | 0.6                     | 3.0                   | 13.0                | 3.0                   | 19.0              | 5.0              | 3.3               | 35.0              | <150                             |
| TEX120-X-X-19.2 | 0.6                     | 0.6                     | 3.2                   | 13.0                | 3.0                   | 19.2              | 5.0              | 3.3               | 35.0              | <150                             |

- Mechanical  
Pitch: 1.5mm
- Material and plating  
Plunger 1: SK4/BeCu, Gold plated  
Plunger 2: SK4/BeCu, Gold plated  
Barrel: Ph, Gold plated  
Spring: SWP/SUS, Gold plated
- Electrical Specifications  
Current Rating: 4.8Amps

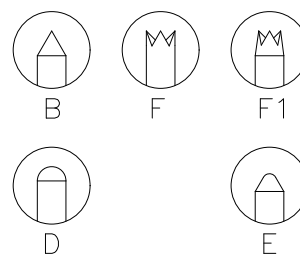
|          |      |      |                             |        |          |
|----------|------|------|-----------------------------|--------|----------|
|          | Name | Date | Description:                | Scale: |          |
| Drawn    |      |      |                             |        |          |
| Approved |      |      |                             |        |          |
| Checked  |      |      |                             |        |          |
| TEX      |      |      | Part NO.: TEX120-X-X-Series | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 1.8mm

Recommended travel: 1.0mm

Full travel: 1.5mm

Spring force: 125±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated

Bottom Plunger: SK4/BeCU, Gold plated

Barrel: Ph, Gold plated

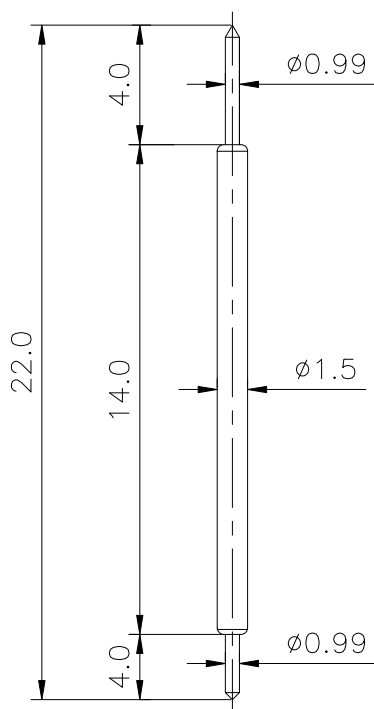
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

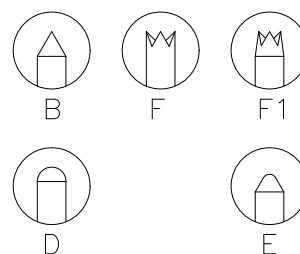
Current Rating: 4.8Amps

Resistance: Less than 100mΩ

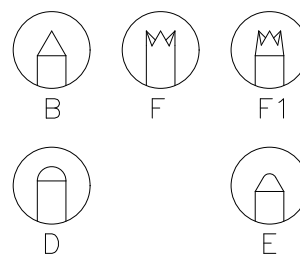
|          |      |      |                          |        |          |
|----------|------|------|--------------------------|--------|----------|
|          | Name | Date | Description:             | Scale: |          |
| Drawn    |      |      |                          |        |          |
| Approved |      |      |                          |        |          |
| Checked  |      |      |                          |        |          |
| TEX      |      |      | Part NO.: TEX136-X-X-7.5 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 2.0mm

Recommended travel: 4.0mm

Full travel: 6.0mm

Spring force: 160±20% at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated

Bottom Plunger: SK4/BeCU, Gold plated

Barrel: Ph, Gold plated

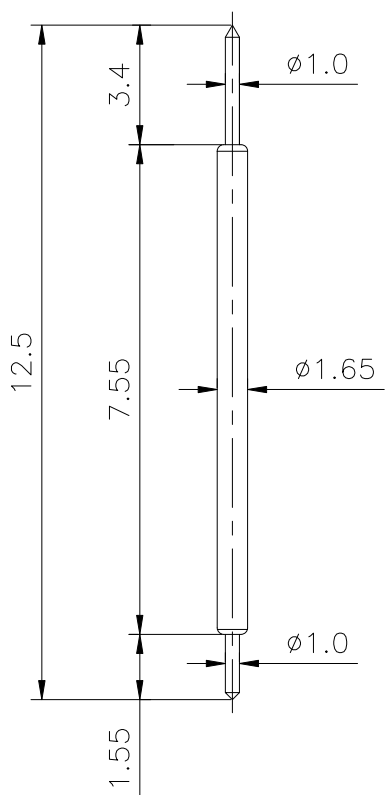
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

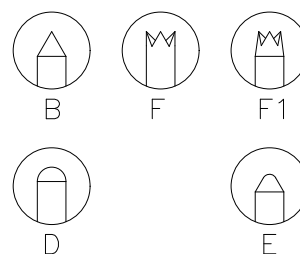
Current Rating: 5Amps

Resistance: Less than 200mΩ

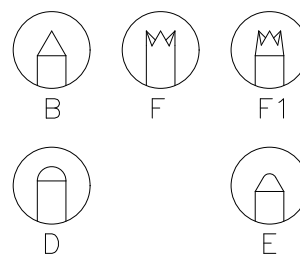
|          |      |      |                         |        |          |
|----------|------|------|-------------------------|--------|----------|
|          | Name | Date | Description:            | Scale: |          |
| Drawn    |      |      |                         |        |          |
| Approved |      |      |                         |        |          |
| Checked  |      |      |                         |        |          |
| TEX      |      |      | Part NO.: TEX150-X-X-22 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 2.0mm

Recommended travel: 2.5mm

Full travel: 3.65mm

Spring force:  $48 \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated

Bottom Plunger: SK4/BeCU, Gold plated

Barrel: Ph, Gold plated

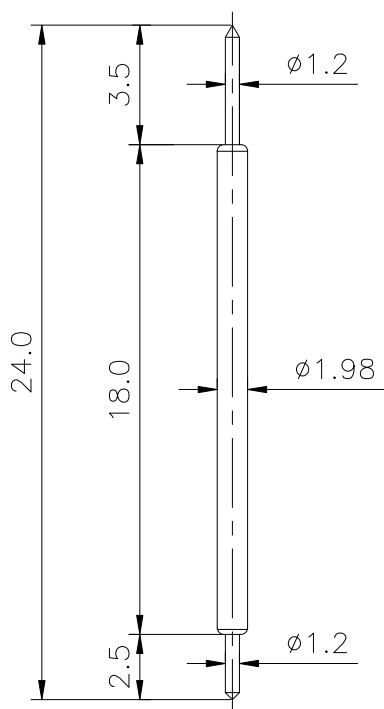
Spring: SWP/SUS, Gold plated

■ Electrical Specifications

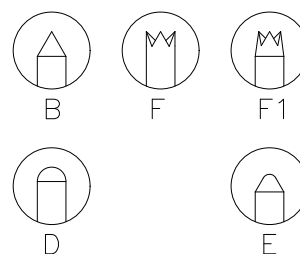
Current Rating: 5Amps

Resistance: Less than 150m $\Omega$

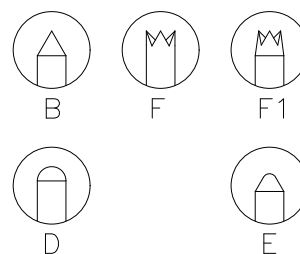
|          |      |      |                           |        |          |
|----------|------|------|---------------------------|--------|----------|
|          | Name | Date | Description:              | Scale: |          |
| Drawn    |      |      |                           |        |          |
| Approved |      |      |                           |        |          |
| Checked  |      |      |                           |        |          |
| TEX      |      |      | Part NO.: TEX165-X-X-12.5 | Index: | Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 2.5mm

Recommended travel: 2.5mm

Full travel: 6.0mm

Spring force:  $50 \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: SK4/BeCU, Gold plated

Bottom Plunger: SK4/BeCU, Gold plated

Barrel: Ph, Gold plated

Spring: SWP/SUS, Gold plated

■ Electrical Specifications

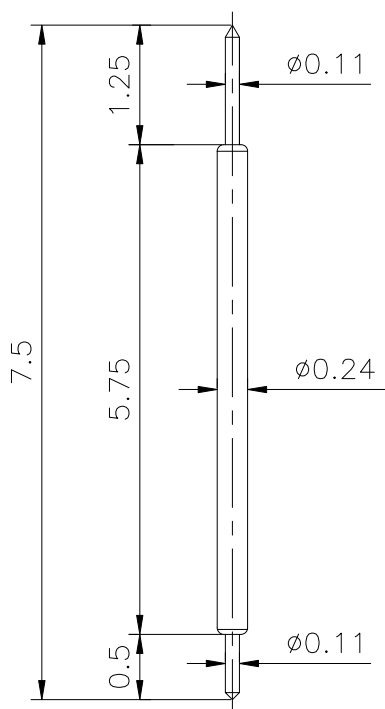
Current Rating: 5Amps

Resistance: Less than 200m $\Omega$

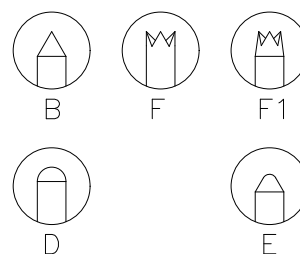
|          |      |      |                         |        |          |
|----------|------|------|-------------------------|--------|----------|
|          | Name | Date | Description:            | Scale: |          |
| Drawn    |      |      |                         |        |          |
| Approved |      |      |                         |        |          |
| Checked  |      |      |                         |        |          |
| TEX      |      |      | Part NO.: TEX198-X-X-24 | Index: | Size: A4 |



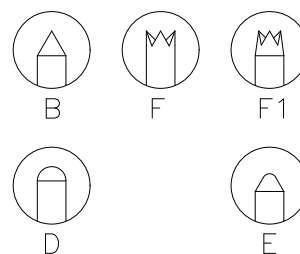
## **Non-magnetic Test Probe**



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.35mm

Recommended travel: 0.6mm

Full travel: 1.1mm

Spring force:  $14 \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: BeCU, Gold plated; PD, No plated

Bottom Plunger: BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

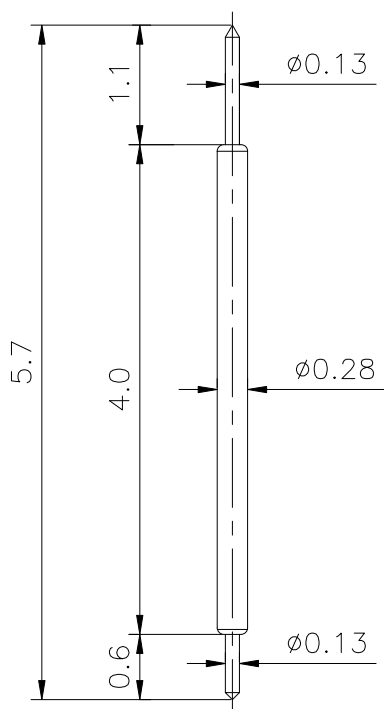
Spring: SUS, Gold plated

■ Electrical Specifications

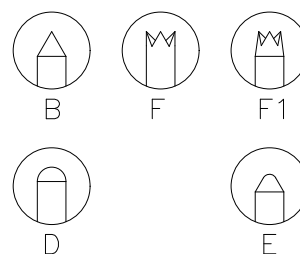
Current Rating: 1 Amps

Resistance: Less than 100m $\Omega$

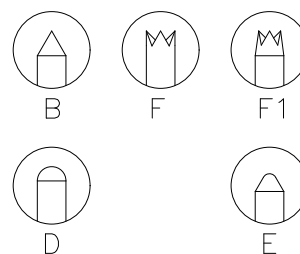
|          |      |      |                                                    |        |             |
|----------|------|------|----------------------------------------------------|--------|-------------|
|          | Name | Date | Description:<br><br><b>Non-magnetic Test Probe</b> | Scale: |             |
| Drawn    |      |      |                                                    |        |             |
| Approved |      |      |                                                    |        |             |
| Checked  |      |      |                                                    |        |             |
| TEX      |      |      | Part NO.:<br><b>TEX024-X-X-7.5</b>                 | Index: | Size:<br>A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.4mm

Recommended travel: 0.7mm

Full travel: 1.1mm

Spring force:  $25 \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: BeCU, Gold plated; PD, No plated

Bottom Plunger: BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

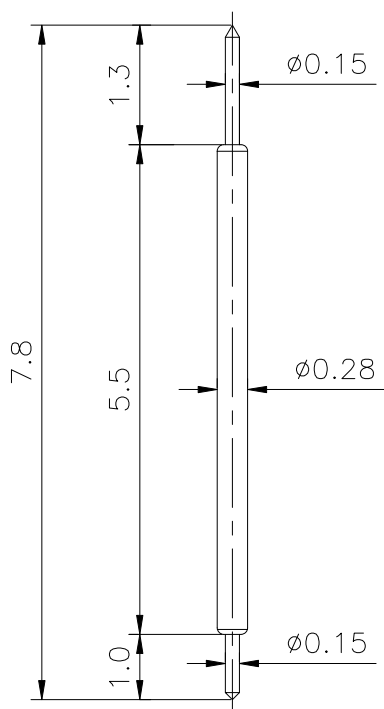
Spring: SUS, Gold plated

■ Electrical Specifications

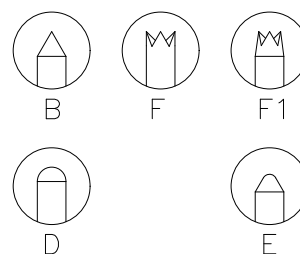
Current Rating: 4 Amps

Resistance: Less than 100m $\Omega$

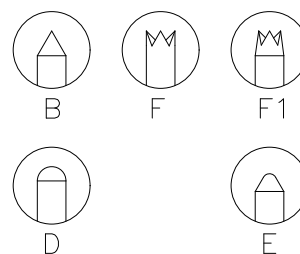
|          |      |      |                                                    |        |             |
|----------|------|------|----------------------------------------------------|--------|-------------|
|          | Name | Date | Description:<br><br><b>Non-magnetic Test Probe</b> | Scale: |             |
| Drawn    |      |      |                                                    |        |             |
| Approved |      |      |                                                    |        |             |
| Checked  |      |      |                                                    |        |             |
| TEX      |      |      | Part NO.:<br><b>TEX028-X-X-5.7</b>                 | Index: | Size:<br>A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.4mm

Recommended travel: 0.6mm

Full travel: 1.1mm

Spring force: 15±20% at recommended travel

■ Material and plating

Top Plunger: BeCU, Gold plated; PD, No plated

Bottom Plunger: BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

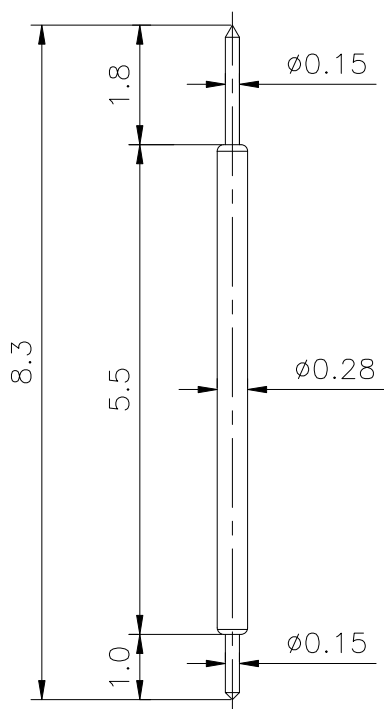
Spring: SUS, Gold plated

■ Electrical Specifications

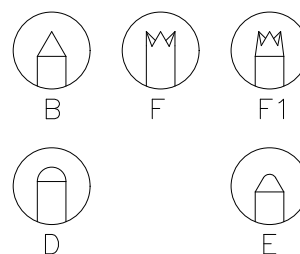
Current Rating: 4 Amps

Resistance: Less than 100mΩ

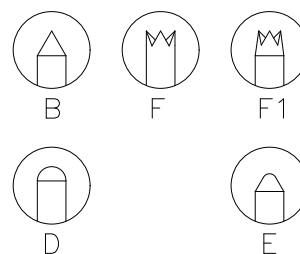
|          |      |      |                                                    |        |             |
|----------|------|------|----------------------------------------------------|--------|-------------|
|          | Name | Date | Description:<br><br><b>Non-magnetic Test Probe</b> | Scale: |             |
| Drawn    |      |      |                                                    |        |             |
| Approved |      |      |                                                    |        |             |
| Checked  |      |      |                                                    |        |             |
| TEX      |      |      | Part NO.:<br><b>TEX028-X-X-7.8</b>                 | Index: | Size:<br>A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.4mm

Recommended travel: 0.6mm

Full travel: 1.1mm

Spring force: 15±20% at recommended travel

■ Material and plating

Top Plunger: BeCU, Gold plated; PD, No plated

Bottom Plunger: BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

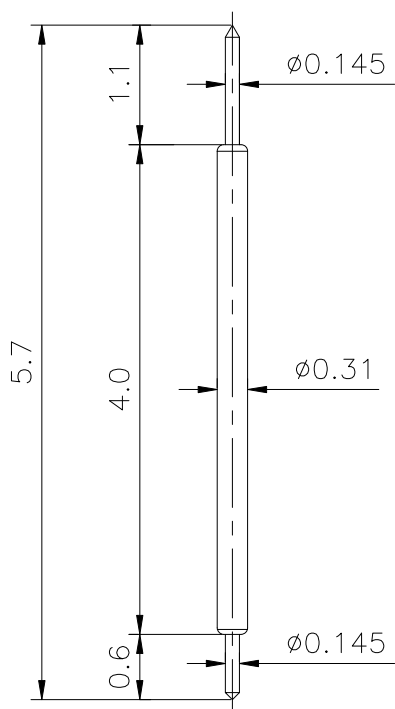
Spring: SUS, Gold plated

■ Electrical Specifications

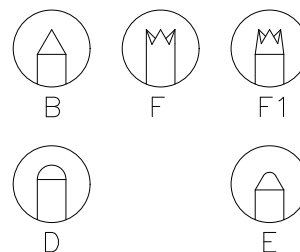
Current Rating: 4 Amps

Resistance: Less than 100mΩ

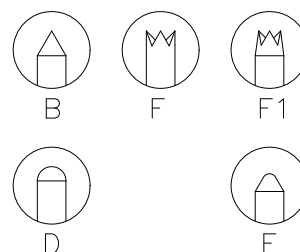
|          |      |      |                                                    |        |             |
|----------|------|------|----------------------------------------------------|--------|-------------|
|          | Name | Date | Description:<br><br><b>Non-magnetic Test Probe</b> | Scale: |             |
| Drawn    |      |      |                                                    |        |             |
| Approved |      |      |                                                    |        |             |
| Checked  |      |      |                                                    |        |             |
| TEX      |      |      | Part NO.:<br><b>TEX028-X-X-8.3</b>                 | Index: | Size:<br>A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.4mm

Recommended travel: 0.65mm

Full travel: 1.1mm

Spring force: 30±20% at recommended travel

■ Material and plating

Top Plunger: BeCU, Gold plated; PD, No plated

Bottom Plunger: BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

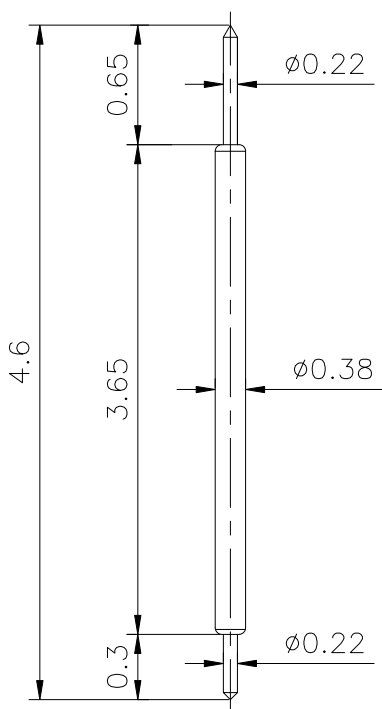
Spring: SUS, Gold plated

■ Electrical Specifications

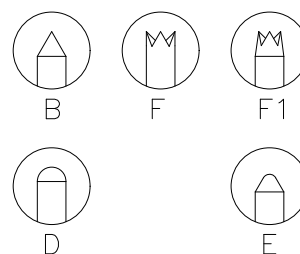
Current Rating: 3 Amps

Resistance: Less than 100mΩ

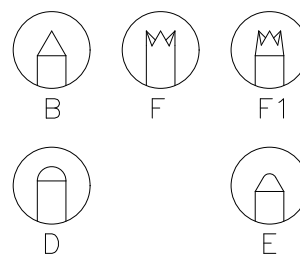
|          |      |      |                          |                 |
|----------|------|------|--------------------------|-----------------|
|          | Name | Date | Description:             | Scale:          |
| Drawn    |      |      | Non-magnetic Test Probe  |                 |
| Approved |      |      |                          |                 |
| Checked  |      |      |                          |                 |
| TEX      |      |      | Part NO.: TEX031-X-X-5.7 | Index: Size: A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.5mm

Recommended travel: 0.45mm

Full travel: 0.65mm

Spring force: 17±20% at recommended travel

■ Material and plating

Top Plunger: BeCU, Gold plated; PD, No plated

Bottom Plunger: BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

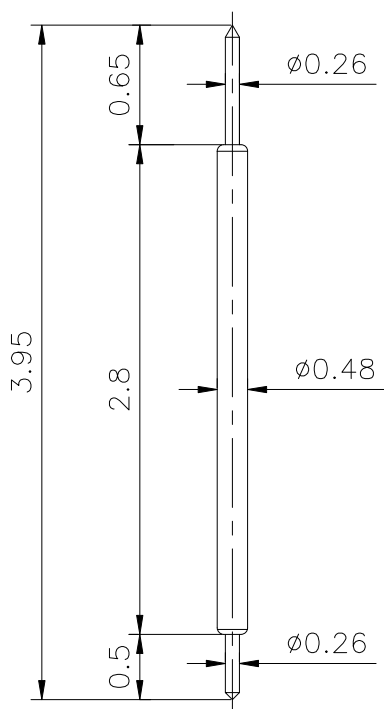
Spring: SUS, Gold plated

■ Electrical Specifications

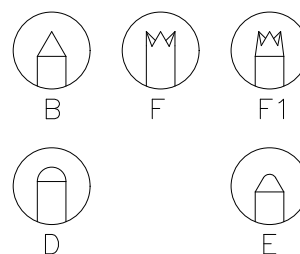
Current Rating: 3 Amps

Resistance: Less than 80mΩ

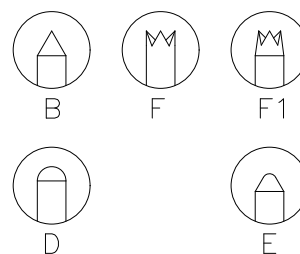
|          |      |      |                                                    |        |             |
|----------|------|------|----------------------------------------------------|--------|-------------|
|          | Name | Date | Description:<br><br><b>Non-magnetic Test Probe</b> | Scale: |             |
| Drawn    |      |      |                                                    |        |             |
| Approved |      |      |                                                    |        |             |
| Checked  |      |      |                                                    |        |             |
| TEX      |      |      | Part NO.:<br><b>TEX038-X-X-4.6</b>                 | Index: | Size:<br>A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.6mm

Recommended travel: 0.6mm

Full travel: 1.0mm

Spring force:  $28 \pm 20\%$  at recommended travel

■ Material and plating

Top Plunger: BeCU, Gold plated; PD, No plated

Bottom Plunger: BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

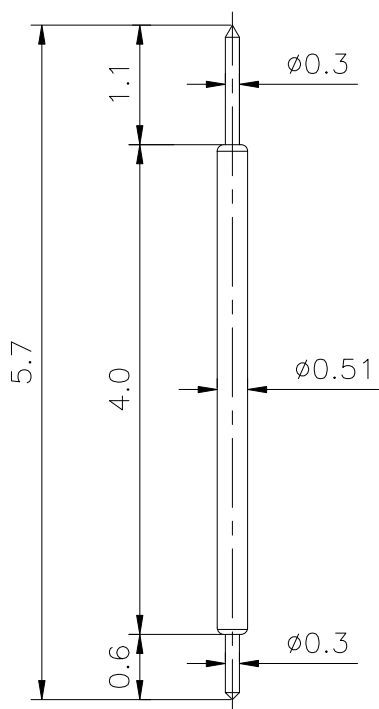
Spring: SUS, Gold plated

■ Electrical Specifications

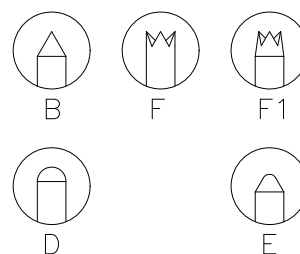
Current Rating: 3 Amps

Resistance: Less than  $80m\Omega$

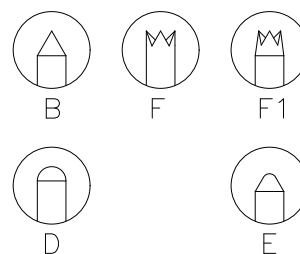
|          |      |      |                                                    |        |             |
|----------|------|------|----------------------------------------------------|--------|-------------|
|          | Name | Date | Description:<br><br><b>Non-magnetic Test Probe</b> | Scale: |             |
| Drawn    |      |      |                                                    |        |             |
| Approved |      |      |                                                    |        |             |
| Checked  |      |      |                                                    |        |             |
| TEX      |      |      | Part NO.:<br><b>TEX048-X-X-3.95</b>                | Index: | Size:<br>A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.65mm

Recommended travel: 0.65mm

Full travel: 1.0mm

Spring force: 20±20% at recommended travel

■ Material and plating

Top Plunger: BeCU, Gold plated; PD, No plated

Bottom Plunger: BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

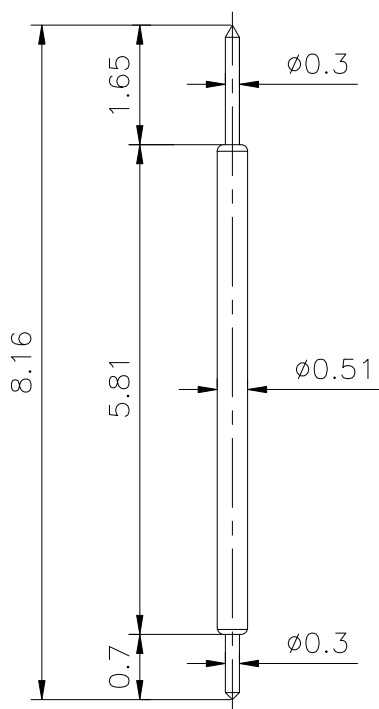
Spring: SUS, Gold plated

■ Electrical Specifications

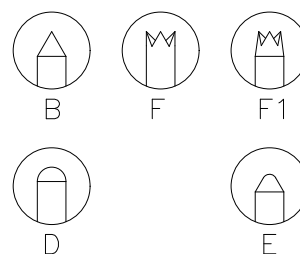
Current Rating: 3.5 Amps

Resistance: Less than 100mΩ

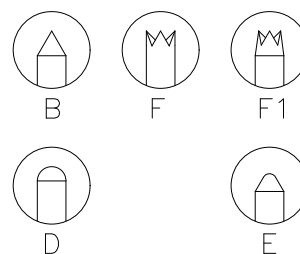
|          |      |      |                                                    |        |             |
|----------|------|------|----------------------------------------------------|--------|-------------|
|          | Name | Date | Description:<br><br><b>Non-magnetic Test Probe</b> | Scale: |             |
| Drawn    |      |      |                                                    |        |             |
| Approved |      |      |                                                    |        |             |
| Checked  |      |      |                                                    |        |             |
| TEX      |      |      | Part NO.:<br><b>TEX051-X-X-5.7</b>                 | Index: | Size:<br>A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.65mm

Recommended travel: 0.8mm

Full travel: 1.5mm

Spring force: 20±20% at recommended travel

■ Material and plating

Top Plunger: BeCU, Gold plated; PD, No plated

Bottom Plunger: BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

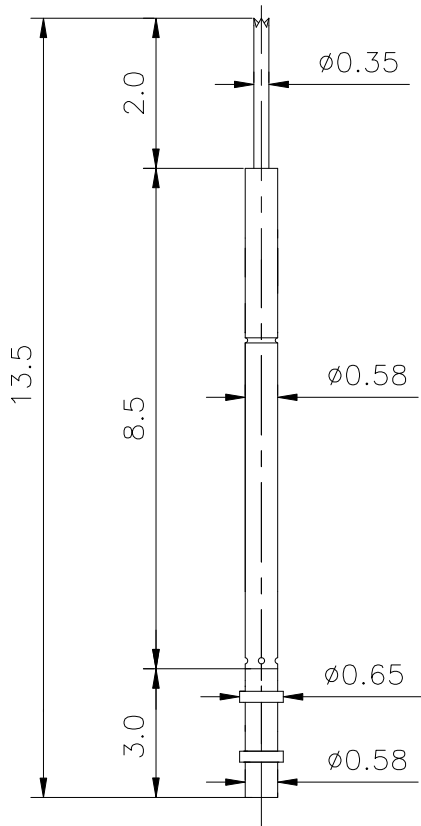
Spring: SUS, Gold plated

■ Electrical Specifications

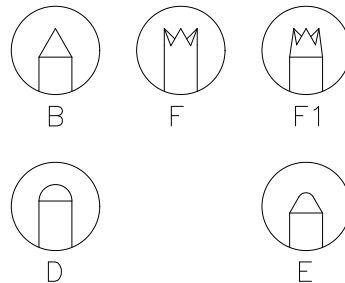
Current Rating: 3.5 Amps

Resistance: Less than 100mΩ

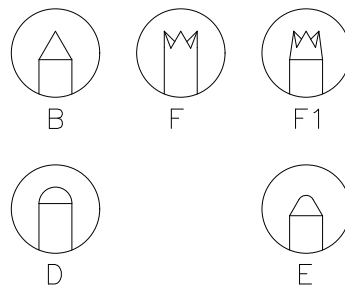
|          |      |      |                                                    |        |             |
|----------|------|------|----------------------------------------------------|--------|-------------|
|          | Name | Date | Description:<br><br><b>Non-magnetic Test Probe</b> | Scale: |             |
| Drawn    |      |      |                                                    |        |             |
| Approved |      |      |                                                    |        |             |
| Checked  |      |      |                                                    |        |             |
| TEX      |      |      | Part NO.:<br><b>TEX051-X-X-8. 16</b>               | Index: | Size:<br>A4 |



Top Tip Style



Bottom Tip Style



■ Mechanical

Pitch: 0.7mm

Recommended travel: 1.0mm

Full travel: 2.0mm

Spring force: 35g $\pm$ 20% at recommended travel

■ Material and plating

Top Plunger: BeCU, Gold plated; PD, No plated

Bottom Plunger: BeCU, Gold plated; PD, No plated

Barrel: Ph/SP, Gold plated

Spring: SUS, Gold plated

■ Electrical Specifications

Current Rating: 3.5 Amps

Resistance: Less than 150m $\Omega$

|          |      |      |                           |                 |
|----------|------|------|---------------------------|-----------------|
|          | Name | Date | Description:              | Scale:          |
| Drawn    |      |      | Non-magnetic Test Probe   |                 |
| Approved |      |      |                           |                 |
| Checked  |      |      |                           |                 |
| TEX      |      |      | Part NO.: TEX058-X-X-13.5 | Index: Size: A4 |

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