**SPRING-LOADED PINS**

**DISCRETE SPRING-LOADED CONTACTS • POWER SPRING PINS**

**0850**

*0850-0-15-20-83-14-11-0*

Power spring pin

Solder Mount in .090 min. mounting hole

**0851**

*0851-0-15-20-82-14-11-0*

Power spring pin

Solder Mount in .090 min. mounting hole

**0853**

*0853-0-15-20-82-14-11-0*

Power spring pin

Solder Mount in .090 min. mounting hole

**0852**

*0852-0-15-20-83-14-11-0*

Power spring pin

Solder Mount in .043 min. mounting hole

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**0854**

*0854-0-15-20-82-14-11-0*

Power spring pin, Soldercup

Accepts wire sizes up to .057” Dia.

**0855**

*0855-0-15-20-82-14-11-0*

Power spring pin, Wire crimp termination for wire sizes 16 AWG Max. / 20 AWG Min.

**0856**

*0856-0-15-20-82-14-11-0*

Power spring pin

Solder Mount in .043 min. mounting hole

**0861**

*0861-0-15-20-82-14-11-0*

Solder Mount in .043 min. mounting hole

*Force @ Mid. Stroke 100g

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**0871**

*0871-0-15-20-82-14-11-0*

Long stroke, Surface Mount

*Force @ Mid. Stroke 100g

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**Material Specifications:**

**Sleeve & Plunger Material:** Copper Alloy

**Spring Material:** Stainless Steel 302

**Sleeve & Plunger Finish:** 20 μ” Gold over Nickel

**Spring Finish:** 10 μ” Gold over Nickel

**Dimensions: Inches**

- Tolerances On:
  - Lengths: ± .006
  - Diameters: ± .002
  - Angles: ± 2°

**Mechanical & Electrical Specifications:**

**Durability:** 1,000,000 cycles

**Rated Current (Free air):** Continuous 9 amps @ 10° C temperature rise

**Contact Resistance:** 20 mΩ max.

**Environmental Specifications:**

- Operating temperature range: -55/+125° C

- 82, 83 Springs are not interchangeable

**Order Code:** 08XX- X - 15 - 20 - 8X - 14 - 11 - 0

**Spring Number**

<table>
<thead>
<tr>
<th>Spring Number</th>
<th>Mid. Stroke</th>
<th>Max. Stroke</th>
<th>Force @ Mid. Stroke</th>
<th>Initial Force</th>
</tr>
</thead>
<tbody>
<tr>
<td>82</td>
<td>.045</td>
<td>.090</td>
<td>120 g</td>
<td>25 g</td>
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**SPRING-LOADED CONNECTORS**

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