PC Tail Contacts without Shoulder

Pin & socket PC Tail contacts without shoulder #22D & #20 as per MIL-DTL-38999 Series I, II & III. Contacts without shoulder allows a more flexible mounting on variable PCB thicknesses or depths.

Ruggedized contacts
- Material: copper alloy
- Finish: gold per MIL-G-45204 type I class 1 over nickel plate
- Sleeve: stainless steel

Flexible mounting
- Various PCB thicknesses:
  - With shoulder [X]
  - Without shoulder [✓]

Multiple PCB positioning:
[✓]
Description

- Pin & socket PCB contacts without shoulder #20 & #22D as per MIL-DTL-38999 Series I, II & III. Contacts without shoulder allows a more flexible mounting on variable PCB thicknesses or depths.
- Ruggedized contacts:
  - Material: copper alloy
  - Finish: gold per MIL-G-45204 type I class 1 over nickel plate
  - Sleeve: stainless steel
- Flexible mounting:
  - Various PCB thicknesses
  - Multiple PCB positioning

Ordering information

<table>
<thead>
<tr>
<th>Basic Series:</th>
<th>8LT</th>
<th>3</th>
<th>C</th>
<th>11</th>
<th>F</th>
<th>35</th>
<th>P</th>
<th>N</th>
<th>900</th>
</tr>
</thead>
<tbody>
<tr>
<td>8T</td>
<td>8</td>
<td></td>
<td>C</td>
<td>10</td>
<td>F</td>
<td>35</td>
<td>P</td>
<td>N</td>
<td>900</td>
</tr>
<tr>
<td>8D</td>
<td>0</td>
<td>C</td>
<td>11</td>
<td>F</td>
<td>35</td>
<td>P</td>
<td>N</td>
<td>900</td>
<td></td>
</tr>
</tbody>
</table>

8LT & 8T shell type:
- 3: Square flange receptacle
- 7: Jam nut receptacle

8D shell type:
- 0: Square flange receptacle
- 7: Jam nut receptacle
- 34: Square flange receptacle with M3 clinch nut (F or W plating, aluminum shell only)
- 35: Square flange receptacle with M3 helicoils (Z plating, aluminum shell only)
- 37: Square flange receptacle with UNC 4-40 helicoils (Z plating, aluminum shell only)
- 39: Square flange receptacle with UNC 4-40 clinch nut (F or W plating, aluminum shell only)

PCB contact without shoulder type: (see following pages for information & dimensions)
- C: Short PC tail
- M: Medium PC tail
- L: Long PC tail

8LT & 8D shell size: 09, 11, 13, 15, 17, 19, 21, 23, 25
8T shell size: 08, 10, 12, 14, 15, 17, 20, 22, 24

8LT plating:
- F: Nickel
- Z: Black zinc nickel
- B: Olive green cadmium
- ZC: Green zinc cobalt

8T plating:
- F: Nickel
- Z: Black zinc nickel
- B: Olive green cadmium
- C: Hard anodized

8D composite plating:
- J: Olive green cadmium
- M: Nickel
- X: Without plating

8D stainless steel plating:
- K: Passivated
- S: Nickel

8D aluminum plating:
- F: Nickel
- Z: Black zinc nickel
- B: Olive green cadmium
- ZC: Green zinc cobalt

8D titanium plating:
- TT: Without plating
- TF: Nickel

Contact layout: See 8LT, 8T & 8D Series catalogs

Contact type:
- P: Male
- S: Female

Orientation:
- N, A, B, C, D, E ( Orientations B & C not developed for 8LT shell size 9; Orientation E not developed for 8LT all shell sizes)

Specification
- 900: Contact without shoulder with gold plated barrel (termination area)
- 901: Contact without shoulder with tin plated SnPb barrel (termination area)
- 901E: Contact without shoulder with tin plated Sn pure barrel (termination area)
- 901S: Contact without shoulder with tin plated SAC305 barrel (termination area)

Special custom:
- None: Standard plastic cap
- M: Antistatic plastic cap

Note: For JVS (8D Bronze Series, please consult us)
# Dimensions

## 8D Series

<table>
<thead>
<tr>
<th>Contact size</th>
<th>Contact Type</th>
<th>Ø C Max</th>
<th>Square flange receptacle 8D0 / 8D34 / 8D35 / 8D37 / 8D39</th>
<th>Jam nut receptacle 8D7</th>
</tr>
</thead>
<tbody>
<tr>
<td>#22D &amp; #20 Pin</td>
<td>C: Short PC tail</td>
<td>0.50</td>
<td>3.96</td>
<td>4.88</td>
</tr>
<tr>
<td></td>
<td>M: Medium PC tail</td>
<td>0.50</td>
<td>5.99</td>
<td>6.91</td>
</tr>
<tr>
<td></td>
<td>L: Long PC tail</td>
<td>0.50</td>
<td>7.51</td>
<td>8.43</td>
</tr>
<tr>
<td>#22D &amp; #20 Socket</td>
<td>C: Short PC tail</td>
<td>0.50</td>
<td>3.96</td>
<td>5.21</td>
</tr>
<tr>
<td></td>
<td>M: Medium PC tail</td>
<td>0.50</td>
<td>5.99</td>
<td>7.24</td>
</tr>
<tr>
<td></td>
<td>L: Long PC tail</td>
<td>0.50</td>
<td>7.51</td>
<td>8.76</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shell type</th>
<th>Square flange receptacle 8D0 / 8D34 / 8D35 / 8D37 / 8D39</th>
<th>Jam nut receptacle 8D7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shell size</td>
<td>9 to 19</td>
<td>9 to 25</td>
</tr>
<tr>
<td>L Max</td>
<td>10.7</td>
<td>11.5</td>
</tr>
</tbody>
</table>

Note: All dimensions are in millimeters (mm)
8T Series

Square flange wall mounting receptacle
8T3

jam nut receptacle
8T7

<table>
<thead>
<tr>
<th>Contact size</th>
<th>Contact Type</th>
<th>Square flange receptacle 8T3</th>
<th>Jam nut receptacle 8T7</th>
</tr>
</thead>
<tbody>
<tr>
<td>#22D &amp; #20</td>
<td>Pin</td>
<td>C: Short PC tail 2.03 2.76 2.03 2.76</td>
<td>Z Min Z Max 2.03 2.76 2.03 2.76</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M: Medium PC tail 4.88 5.61 4.88 5.61</td>
<td>Z Min Z Max 4.88 5.61 4.88 5.61</td>
</tr>
<tr>
<td></td>
<td></td>
<td>L: Long PC tail 7.70 8.43 7.70 8.43</td>
<td>Z Min Z Max 7.70 8.43 7.70 8.43</td>
</tr>
<tr>
<td>#22D &amp; #20</td>
<td>Socket</td>
<td>C: Short PC tail 2.03 3.09 2.03 3.09</td>
<td>Z Min Z Max 2.03 3.09 2.03 3.09</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M: Medium PC tail 4.88 5.94 4.88 5.94</td>
<td>Z Min Z Max 4.88 5.94 4.88 5.94</td>
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<tr>
<td></td>
<td></td>
<td>L: Long PC tail 7.70 8.76 7.70 8.76</td>
<td>Z Min Z Max 7.70 8.76 7.70 8.76</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Shell type</th>
<th>Square flange receptacle 8T3</th>
<th>Jam nut receptacle 8T7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shell size</td>
<td>8 to 24</td>
<td>8 to 18</td>
</tr>
<tr>
<td>L Max</td>
<td>14.6</td>
<td>11.6</td>
</tr>
</tbody>
</table>

Note: All dimensions are in millimeters (mm)
8LT, 8T & 8D Series  |  PCB Contacts without Shoulder

8LT Series

Square flange wall mounting receptacle
8LT3

Jam nut receptacle
8LT7

<table>
<thead>
<tr>
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<th>Jam nut receptacle 8LT7</th>
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</thead>
<tbody>
<tr>
<td>#22D &amp; #20</td>
<td>Pin</td>
<td>C: Short PC tail 3.69 4.70</td>
<td>3.69 4.51</td>
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<tr>
<td></td>
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<td>M: Medium PC tail 5.72 6.73</td>
<td>5.72 6.54</td>
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<td>L: Long PC tail 7.24 8.25</td>
<td>7.24 8.06</td>
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<tr>
<td>#22D &amp; #20</td>
<td>Socket</td>
<td>C: Short PC tail 3.69 5.03</td>
<td>3.69 4.84</td>
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<tr>
<td></td>
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<td>M: Medium PC tail 5.72 7.06</td>
<td>5.72 6.87</td>
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<td>L: Long PC tail 7.24 8.58</td>
<td>7.24 8.39</td>
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</tbody>
</table>

Shell type

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<td>10.6</td>
<td>11.3</td>
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<tr>
<td>L Max</td>
<td>10.6</td>
<td>11.3</td>
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</tbody>
</table>

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For further information contact us at contactmilaero@souriau.com
or visit our web site www.souriau.com