**Vertical Mount Thru Hole PCB Nano Connectors** feature gold alloy TwistPin contacts. These nanominiature connectors offer premium performance and reliability for demanding applications. Available with female threads, or with jackscrews for use with flexible circuits.

**Pre-Tinned PC Tails** are coated with Sn63Pb37 or Sn60Pb40 tin-lead for excellent solderability.

### Choose Aluminum, Titanium or Stainless Steel Shells

In eleven layouts from 9 to 85 contacts. Complies to the requirements of MIL-DTL-32139. These connectors are intermateable with any corresponding Glenair Series 891 Dual row metal shell nanominiature connector.

### How to Order

**Sample Part Number**

| Series | | | | |
|--------|-----------------|---|---|
| 891-006 | Plug, Vertical Mount PCB Connector | 891-007 | Receptacle, Vertical Mount PCB Connector |

**Insert Arrangement/Contact Type**

<table>
<thead>
<tr>
<th>Shell Material and Finish</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 - Aluminum Shell, Cadmium Plating</td>
<td>S - Stainless Steel Shell, Passivated</td>
<td></td>
</tr>
<tr>
<td>A2 - Aluminum Shell, Electroless Nickel Plating</td>
<td>T - Titanium Shell, Unplated</td>
<td></td>
</tr>
</tbody>
</table>

**Shell Material and Finish**

- A1 - Aluminum Shell, Cadmium Plating
- A2 - Aluminum Shell, Electroless Nickel Plating
- S - Stainless Steel Shell, Passivated
- T - Titanium Shell, Unplated

**Termination Type**

- BST - Board Straight Thru Hole

**PC Tail Length**

- 1 - .110 (2.79)
- 2 - .172 (4.37)
- 3 - .140 (3.56)

**Hardware**

- J - Jackscrew
- T - Female Thread

---

**NOTES**

1. Inspect and test IAW MIL-DTL-32139
2. Interface dimensions per MIL-DTL-32139/3 and /4
3. Materials/finishes
   - Shell: see part number break down
   - Insulator: LCP/N/A
   - Contacts: gold alloy / unplated
   - Pre-tinned PC tails: coated with Sn63Pb37 or Sn60Pb40 tin-lead
   - Hardware: passivated stainless steel

**DETAIL A**

- .0125 (.32) TYP
- .025 (.64) TYP
- .020 (.51) TYP
- .040 (1.02) TYP

**DETAIL B**

- .012 (.30)
- .007 (.18) TYP
**SERIES 89**

**Dual Row Connectors**

**Vertical Mount, Thru Hole PCB Connectors**

**Dimensions**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>891-006 Plug (Pin) Connectors</th>
<th>891-007 Receptacle (Socket) Connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td><strong>B</strong></td>
<td><strong>C</strong></td>
</tr>
<tr>
<td><strong>Layout</strong></td>
<td><strong>In. ± .005</strong></td>
<td><strong>mm. ± .13</strong></td>
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<tr>
<td>9P</td>
<td>.375</td>
<td>9.52</td>
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<tr>
<td>9S</td>
<td>.375</td>
<td>9.52</td>
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<tr>
<td>15P</td>
<td>.450</td>
<td>11.43</td>
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<tr>
<td>15S</td>
<td>.450</td>
<td>11.43</td>
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<tr>
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<td>.525</td>
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<tr>
<td>85S</td>
<td>1.377</td>
<td>34.97</td>
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</table>

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U.S. CAGE code 06324/0CA77 • Dimensions in Inches (millimeters) are subject to change without notice.
SERIES 89
Dual Row Connectors
Vertical Mount, Thru Hole PCB Connectors
PCB Plug Footprint

9 Contacts

15 Contacts

21 Contacts

25 Contacts

31 Contacts

37 Contacts

Layouts shown are for connector mounting side of PC Board.
SERIES 89
Dual Row Connectors
Vertical Mount, Thru Hole PCB Connectors
PCB Plug Footprint

41 Contacts

51 Contacts

65 Contacts

69 Contacts

85 Contacts

Layouts shown are for connector mounting side of PC Board.
SERIES 89
Dual Row Connectors
Vertical Mount Thru Hole PCB Connectors
PCB Receptacle Footprint

9 Contacts

15 Contacts

21 Contacts

25 Contacts

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Layouts shown are for connector mounting side of PC Board.
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