

# SERIES 89 NANOMINIATURE Single-Row Rectangular Connectors



## 890-016 Sav-Con® Connector Saver

**Glenair Connector Savers** protect expensive connector contacts with Glenair Connector Savers. Once installed, this device will reduce wear on vital contacts and eliminate downtime due to fouled or damaged connectors.

SINGLE-ROW RECTANGULAR CONNECTORS



HOW TO ORDER				
<b>Sample Part Number</b>	<b>890-016</b>	<b>-15</b>	<b>US</b>	<b>P1</b>
<b>Series</b>	890-016 = Single Row, Connector Saver			
<b>Number of Contacts</b>	5, 9, 15, 21, 25, 31, 37, 51			
<b>Connector Type</b>	US = Plug to Receptacle One Piece Shell			
<b>Hardware</b>	P1 = Permanently Installed Jackscrew/Jackpost Male thread on Plug side S1 = Permanently Installed Jackscrew/Jackpost Male thread on Receptacle side			

### NOTES

- Jackscrew/jackpost head has a slot drive. Use a slotted blade miniature screwdriver with a .018 thick X .080" wide blade to turn.
- Jackscrew/jackpost recommended torque: 0.5 - 1.0 In-lbs.
- Materials/finishes
  - Aluminum alloy, electroless nickel plated
  - Socket insulator - liquid crystal polymer (LCP)
  - Plug insulator - liquid crystal polymer (LCP)
  - Plug contact - gold alloy/unplated
  - Socket contact - gold alloy/unplated
  - Wire - 30 AWG gold plated copper alloy (not shown)
  - Conductive epoxy
  - Jackscrew/jackpost combination - passivated stainless steel
  - Jackscrew retainer - passivated stainless steel

### PERFORMANCE SPECIFICATIONS

**Contact Spacing:** .025" (0.64) contact centers  
**Current Rating:** 1 AMP maximum tested per EIA-364-70  
**DWV:** 250 VAC RMS sea level, 100 VAC RMS 70,000 feet per EIA-364 Procedure 20  
**Insulation Resistance:** 5000 Megohms minimum test voltage 100 VDC, per EIA-364 Procedure 21  
**Operating Temperature:** -55° C. to +125° C.

**Contact Resistance:** 71 millivolt drop maximum, 1 AMP current, any catalog supported wire type  
**Vibration:** 20 g's, IAW EIA-364-28, Condition IV  
**Shock:** 100 g's, IAW EIA-364-27, Condition G  
**Durability:** 200 mating cycles per test procedure EIA-364-09  
**Corrosion Resistance:** 48 hours salt spray IAW EIA-364-26, Condition B

**Humidity:** 240 hours, IAW EIA-364-31, Test Condition B  
**Contact Engaging/Separation Force:** 5 ounce maximum, 0.4 ounce minimum  
**Thermal Vacuum Outgassing:** Total mass loss (TML) 1.0% max., volatile condensable material (VCM) 0.1% max. IAW ASTM E595

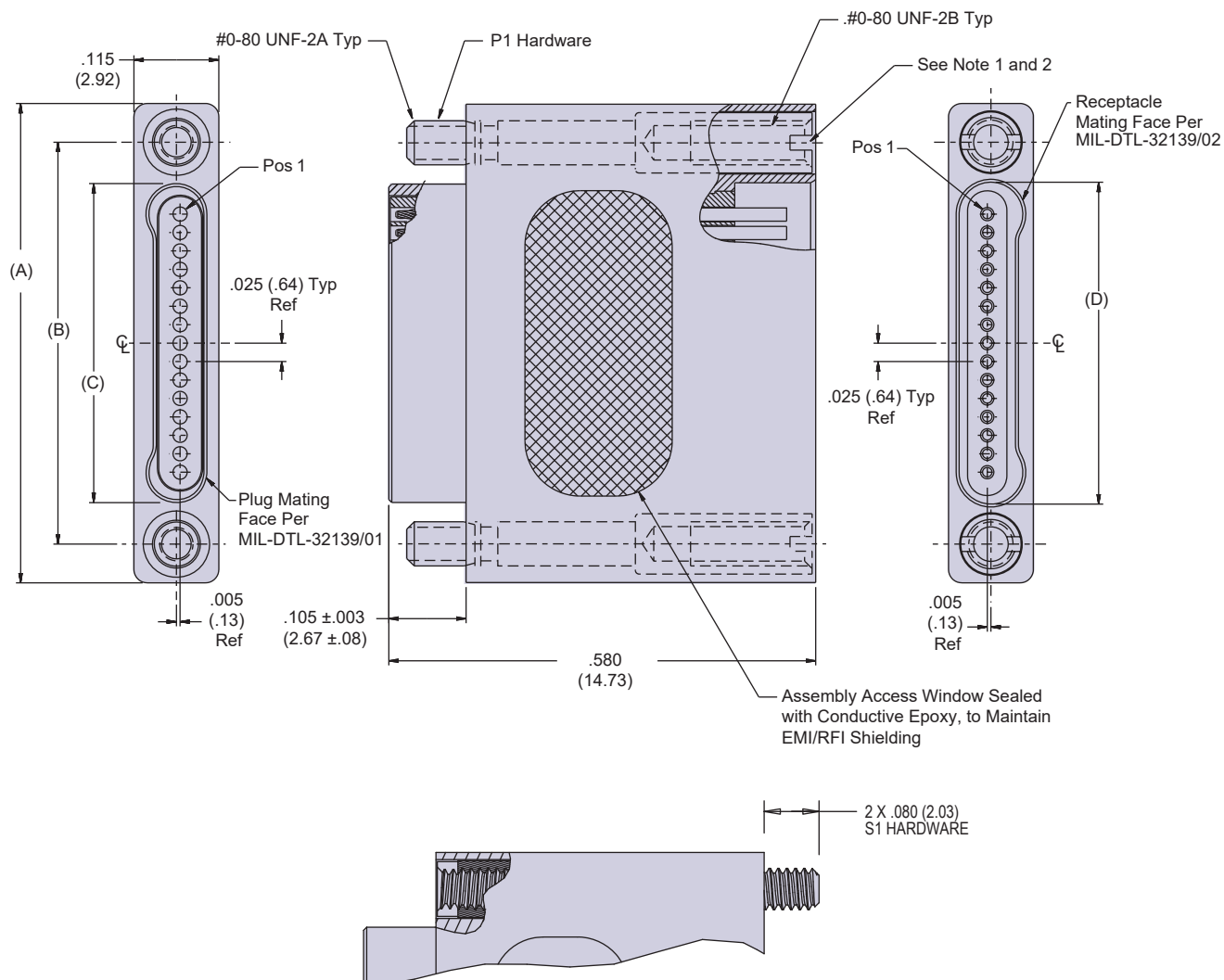
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### DIMENSIONS

15 Position Connector Is Shown



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Number Of Contacts	A	B Ref	C Ref	D Ref
5	.400 (10.16)	.295 (7.49)	.184 (4.67)	.185 (4.70)
9	.500 (12.70)	.395 (10.03)	.284 (7.21)	.285 (7.24)
15	.650 (16.51)	.545 (13.84)	.434 (11.02)	.435 (11.05)
21	.800 (20.32)	.695 (17.65)	.584 (14.83)	.585 (14.86)
25	.900 (22.86)	.795 (20.19)	.684 (17.37)	.685 (17.40)
31	1.050 (26.67)	.945 (24.00)	.834 (21.18)	.835 (21.21)
37	1.200 (30.48)	1.095 (27.81)	.984 (24.99)	.985 (25.02)
51	1.550 (39.37)	1.445 (36.70)	1.334 (33.88)	1.335 (33.91)