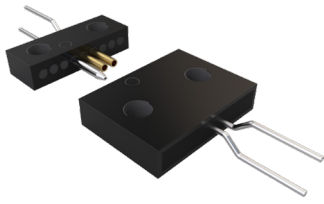


SERIES 89 NANOMINIATURE Single and Dual Row Nano Strip Connectors



890-049 Single Row, Plastic Shell, Nano Strip, Vertical Mount Thru-Hole PCB Connector

SINGLE AND DUAL ROW NANO STRIP CONNECTORS

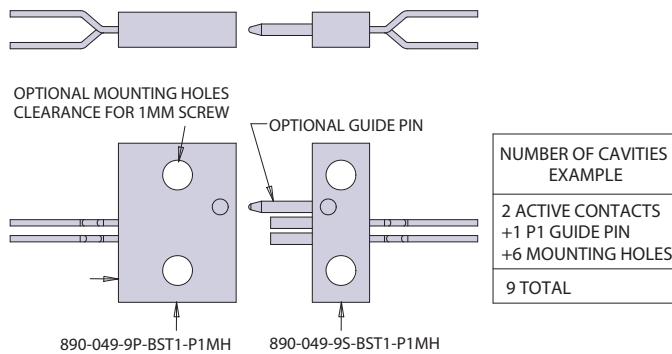


Nano Strip Vertical Thru-Hole PCB Connectors feature gold alloy TwistPin contacts. Contacts are precision-crimped to uninsulated wire. These nanominiature strip connectors offer premium performance and reliability for demanding applications. Pre-Tinned PC Tail are coated with Sn63Pb37 or Sn60Pb40 Tin-Lead for excellent solderability.

TwistPin Contact System assures premium performance in demanding environments. The gold alloy contacts will stand up to years of exposure without corrosion.

Typical Applications include UAVs, satellites, missile systems and geophysical instruments.

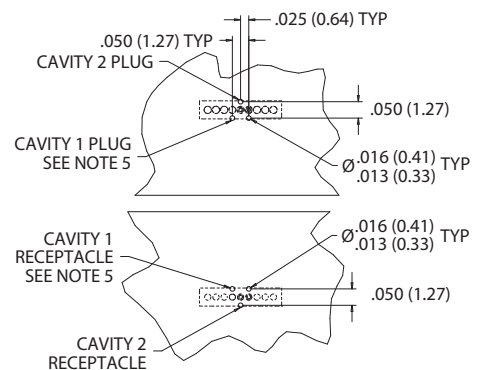
HOW TO ORDER							
Sample Part Number	890-049 -9 P -BST 1 -P1 MH						
Series	890-049 = single row, plastic shell Nano Strip vertical thru-hole PCB connector						
Number of Cavities	1 thru 40 = Total number of cavities including cavities used for guide pins and disabled cavities used for mounting holes, if any. See Table I						
Contact Type	P = Pin (plug) S = Socket (receptacle)						
Termination Type	BST = Board straight thru-hole						
PC Tail Length	1 = .110 2 = .172 3 = .140; wire length in inches						
Optional Guide Pin	Omit for no guide pin (Guide pin in receptacle, accepts guide pin in plug) P1 = Guide pin or accepts guide pin in position 1 (add 1 cavity to number of active contacts) PB = Guide pin or accepts guide pin in 1 and last position (add 2 cavities to number of active contacts) PX = Guide pin or accepts guide pin in position specified by "X" (add 1 cavity to number of active contacts)						
Optional Mounting Holes	Omit for no mounting holes MH = Mounting holes (add 6 cavities to number of active contacts)						



PCB LAYOUT

NANO STRIP PLUG PCB LAYOUT COMPONENT SIDE

NANO STRIP RECEPTACLE PCB LAYOUT COMPONENT SIDE



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.

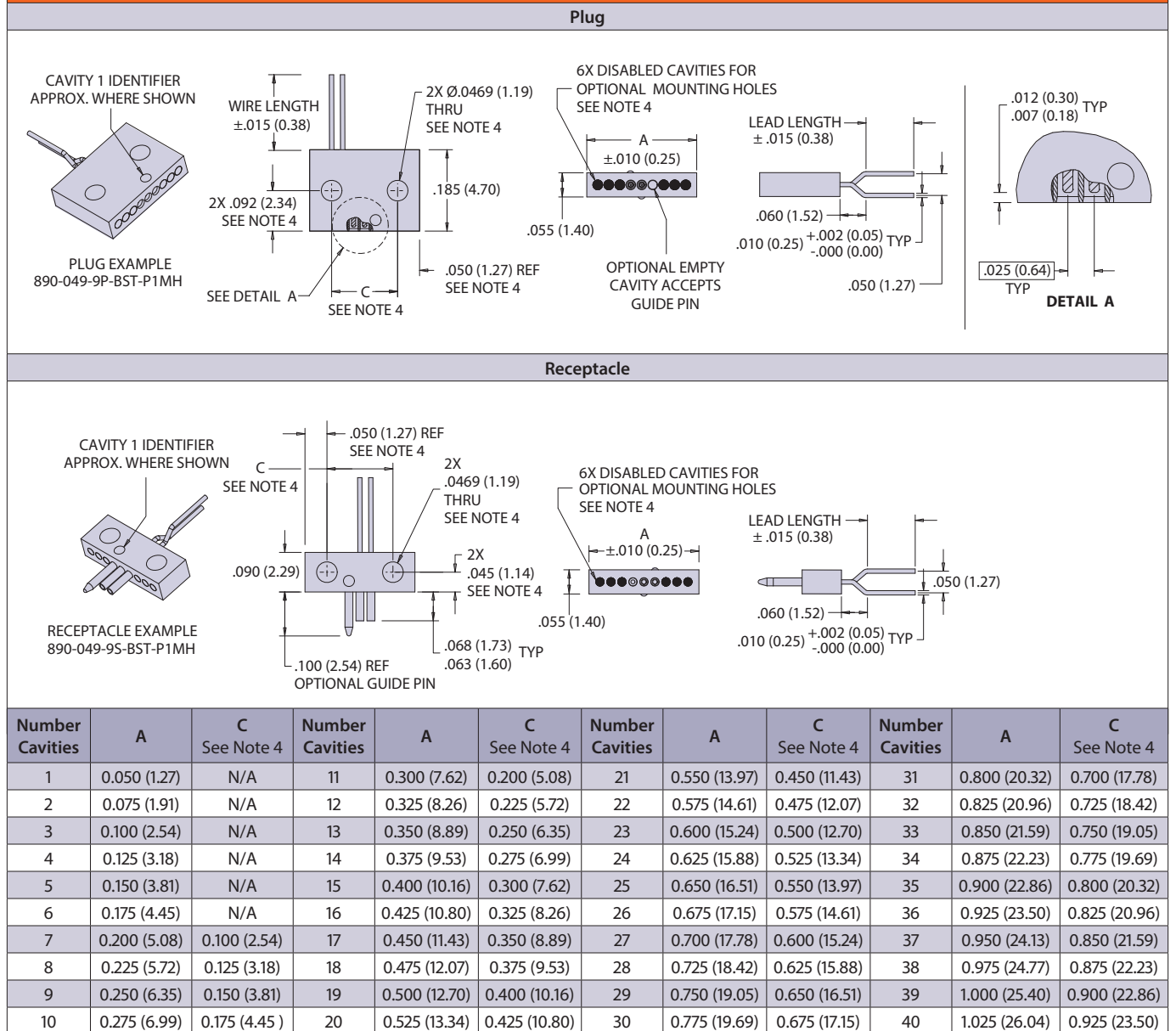
Contact Resistance: 71 millivolt drop maximum, 1 AMP current, any catalog supported wire type
Corrosion Resistance: 48 hour salt spray IAW EIA-364-26, Condition B
Humidity: 240 hours, IAW EIA-364-31, Test Condition B
Contact Engaging/Separation Force: 5 ounce maximum, 0.4 ounce minimum
Thermal Vacuum Outgassing: Total mass loss (TML) 1.0% max., volatile condensable material (VCM) 0.1% max. IAW ASTM E595

SERIES 89 NANOMINIATURE Single and Dual Row Nano Strip Connectors



890-049 Single Row, Plastic Shell, Nano Strip, Vertical Mount Thru-Hole PCB Connector

TABLE I: DIMENSIONS



SINGLE AND DUAL ROW NANO STRIP CONNECTORS

NOTES

- Material and Finishes:
 - Shell: polyphenylene sulfide (PPS)
 - Contacts: gold alloy / unplated
 - Pre-tinned PC tails: Coated with Sn63Pb37 or Sn60Pb40 tin-lead solder
 - Optional guide pin: stainless steel, passivated
- Inspect and test IAW MIL-DTL-32139
- Strip shell may have a half cavity on either end or each end
- Only applies if ordered with optional mounting holes
- Pads corresponding to guide pin(s) or cavities that accept guide pin(s) can be omitted