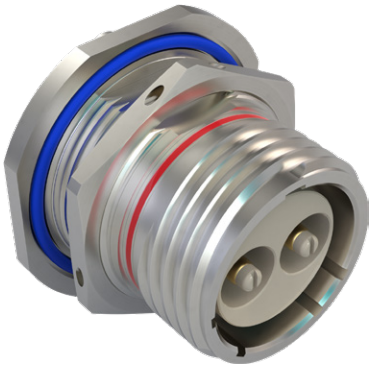
# 973-006 SuperNine Series III PowerPlay with PC Tail Contacts
# 07 Jam-Nut Receptacle





## HOW TO ORDER

| Sample Part Number | 973-006 | 07 | ME | 17-2 | P | N |
|---|---|---|---|---|---|---|
| **Basic Part Number** | 38999 Power Connector | | | | | |
| **Connector Style** | **07** = Jam-Nut Receptacle | | | | | |
| **Material/Finish** | **NF** = Aluminum, CAD/O.D. Over Electroless Nickel<br>**MT** = Aluminum, Nickel-PTFE<br>**ME** = Aluminum, Electroless Nickel<br>**TZ** = Aluminum, Tin Zinc<br>**Z1** = Stainless Steel, Passivated | | | | | |
| **Shell Size/ Insert Arrangement** | See Contact Arrangements Table | | | | | |
| **Contact Style** | **P** = Pin Contact<br>**S** = Socket Contact | | | | | |
| **Polarization Position** | **A, B, C, D, E, N** = Normal | | | | | |

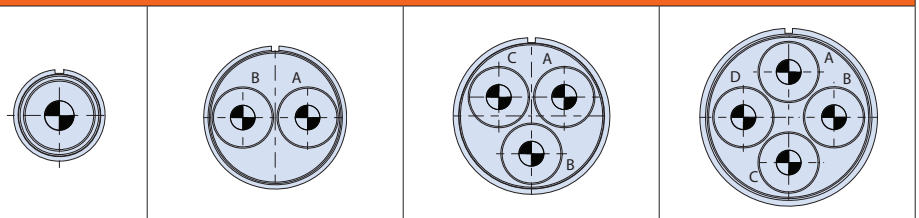
## MATERIAL/FINISH

- Shell / jam nut: per How to Order table
- Interfacial / O-ring seal: silicone blend
- Contacts: copper alloy / gold
- Insulator: High-Temp composite

## NOTES

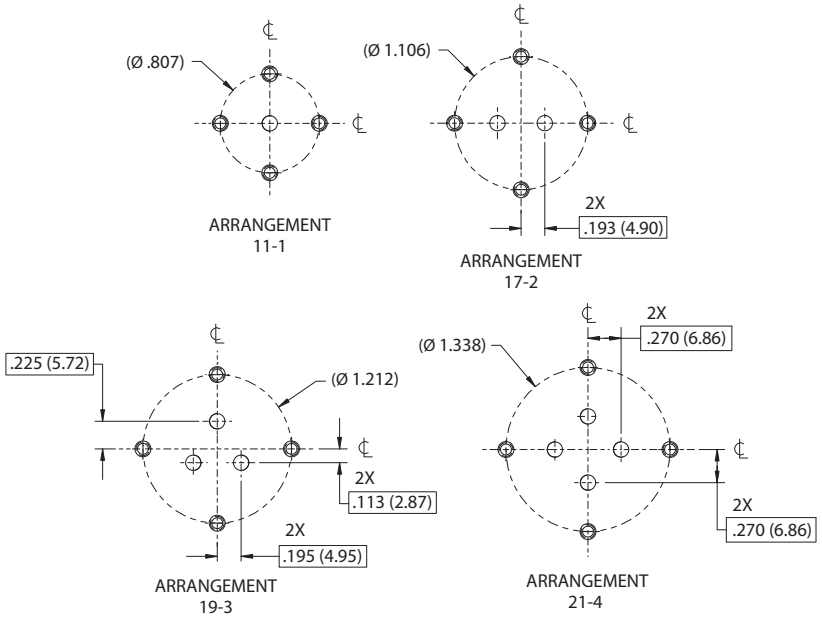
- Panel-Mount and jam nut PC tail receptacles 973-006 mate with 973-001 plugs having the same size, layout, polarization, and opposite contact gender.
- Pin contacts with protective tip and installed socket contacts are finger-proof to IEC 60529 level IP2X (rated voltages not exceeding 1,000 VAC or 1500 VDC). Contacts are Glenair high conductivity Crown Ring contacts.
- Electrical Performance:
  - DWV: 5000 VAC pin-pin and pin-shell (sea level) (DWV value pertains to connector interface and insert. It is up to the end user to ensure the board side is suitably insulated.)
  - Insulation resistance: 5000 megohm min at 500 VDC

## SHELL SIZE / CONTACT ARRANGEMENTS (FACE OF PIN INSERT)




| 11-1 • 1X #8 | 17-2 • 2X #8 | 19-3 • 3X #8 | 21-4 • 4X #8 |
|---|---|---|---|

## PC BOARD PATTERN



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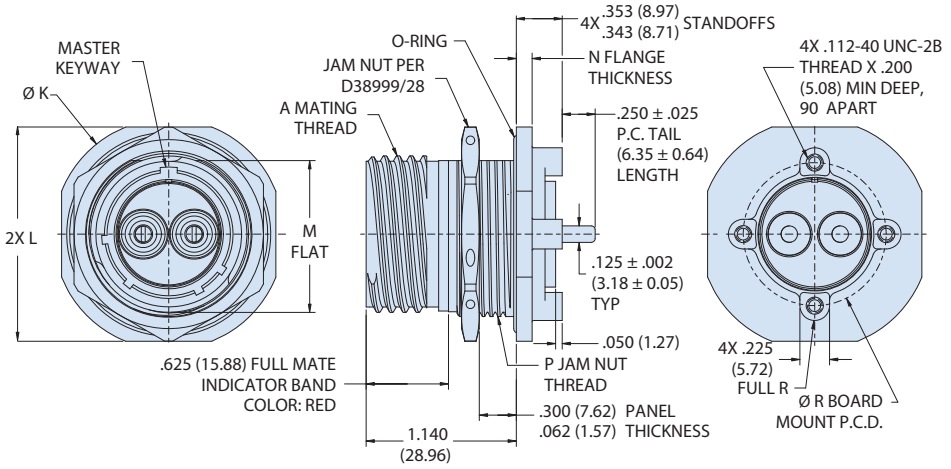
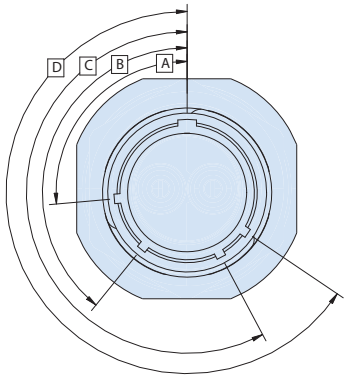
## 07 JAM NUT RECEPTACLE DIMENSIONS



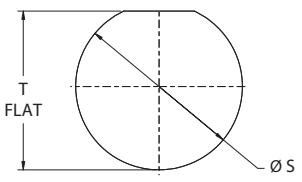

| Shell Size | A Thread | Ø K | L | M | N | P Thread | Ø R |
|---|---|---|---|---|---|---|---|
| 11 | .7500-.1P-.3L-TS-2A | 1.386 (35.20)<br>1.362 (34.59) | 1.268 (32.21)<br>1.236 (31.39) | 0.755 (19.18)<br>0.745 (18.92) | 0.120 (3.05) | M20 X 1.0-6g 0.100R | 0.807 (20.50) |
| 17 | 1.1875-.1P-.3L-TS-2A | 1.764 (44.81)<br>1.740 (44.20) | 1.642 (41.71)<br>1.610 (40.89) | 1.191 (30.25)<br>1.181 (30.00) | | M32 X 1.0-6g 0.100R | 1.106 (28.09) |
| 19 | 1.2500-.1P-.3L-TS-2A | 1.949 (49.50)<br>1.925 (48.90) | 1.827 (46.41)<br>1.795 (45.59) | 1.316 (33.43)<br>1.306 (33.17) | 0.145 (3.68) | M35 X 1.0-6g 0.100R | 1.212 (30.78) |
| 21 | 1.3750-.1P-.3L-TS-2A | 2.075 (52.71)<br>2.051 (52.10) | 1.953 (49.61)<br>1.921 (48.79) | 1.441 (36.60)<br>1.431 (36.35) | | M38 X 1.0-6g 0.100R | 1.338 (33.99) |

## POLARIZATION KEYS AND KEYWAYS




| Shell Size | Polarization Code | Minor Key/Keyway Rotation A° | B° | C° | D° |
|---|---|---|---|---|---|
| 11<br>13<br>15 | N | 95 | 141 | 208 | 236 |
| | A | 113 | 156 | 182 | 292 |
| | B | 90 | 145 | 195 | 252 |
| | C | 53 | 156 | 220 | 255 |
| | D | 119 | 146 | 176 | 298 |
| | E | 51 | 141 | 184 | 242 |
| | F | 77 | 141 | 220 | 273 |
| | G | 66 | 156 | 176 | 236 |
| 17<br>19<br>21<br>23<br>25 | N | 80 | 142 | 196 | 293 |
| | A | 135 | 170 | 200 | 310 |
| | B | 49 | 169 | 200 | 244 |
| | C | 66 | 140 | 200 | 257 |
| | D | 62 | 145 | 180 | 280 |
| | E | 79 | 153 | 197 | 272 |
| | F | 95 | 150 | 180 | 235 |
| | G | 115 | 157 | 185 | 270 |

## PANEL CUT OUT FOR JAM NUT RECEPTACLES




| Shell Size | Ø S | T Flat |
|---|---|---|
| 11 | 0.835 (21.21)<br>0.825 (20.96) | 0.771 (19.58)<br>0.761 (19.33) |
| 17 | 1.270 (32.26)<br>1.260 (32.00) | 1.210 (30.73)<br>1.200 (30.48) |
| 19 | 1.395 (35.43)<br>1.385 (35.18) | 1.335 (33.91)<br>1.325 (33.65) |
| 21 | 1.520 (38.61)<br>1.510 (38.35) | 1.460 (37.08)<br>1.450 (36.83) |