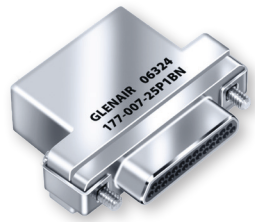




Shorting Plug Assembly 177-007

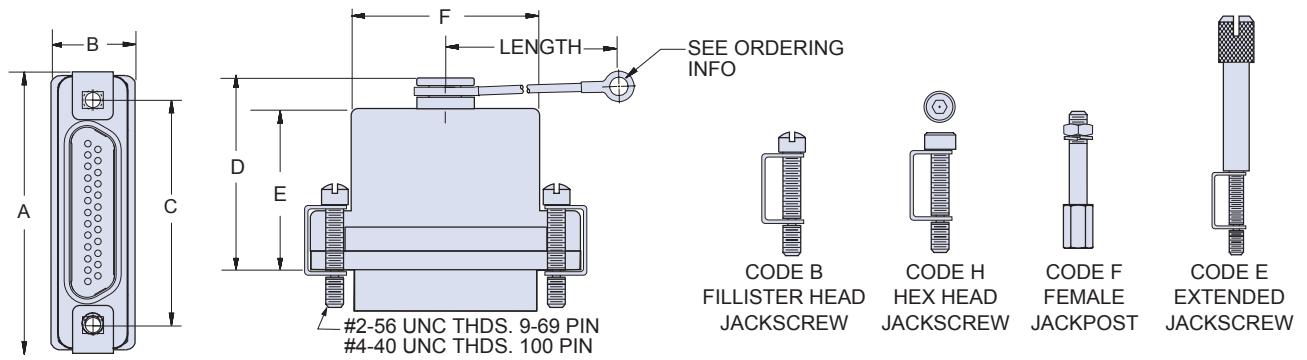


Shorting Plug Assemblies are Micro-D connectors with all contacts bussed/shorted together. Enclosed in a backshell and fitted with jackscrews, these shorting plugs provide ESD protection to sensitive instrumentation.

| Materials & Finishes | |
|----------------------|--|
| Shells | Aluminum Alloy 6061 -T6 |
| Contacts | Gold-Plated Copper Alloy |
| Encapsulant | Epoxy |
| Insulators | Glass-Filled LCP |
| Interfacial Seal | Fluorosilicone |
| Hardware | 300 Series Stainless Steel, Passivated |

| How To Order Shorting Plugs | |
|------------------------------------|--|
| Sample Part Number | 177-007 -25 S 2 H F 6 -06 |
| Series | 177-007 |
| Connector Size | 9, 15, 21, 25, 31, 37, 51, 51-2, 67, 69, 100 (Table I) |
| Contact Type | P - Pin S - Socket |
| Shell Finish | 1 - Cadmium, Yellow Chromate 2 - Electroless Nickel 4 - Black Anodize 5 - Gold 6 - Chem Film |
| Hardware Option | B - Fillister Head Jackscrew H - Hex Head Jackscrew E - Extended Jackscrew F - Jackpost, Female N - No Hardware |
| Lanyard Option | N - No Lanyard G - Flexible Nylon Rope R - Wire Rope, PVC Jacket F - Wire Rope, Nylon Jacket H - Wire Rope, Fluoropolymer Jacket T - Wire Rope, No Jacket |
| Lanyard Length | Length in One Inch Increments; Example: "6" equals six inches. |
| Ring Terminal Ordering Code | 01 - .140 (3.6) 04 - .197 (5.0) 05 - .167 (4.2) 06 - .125 (3.2) I.D. of Ring Terminal |

Table I: Dimensions



| Size | A Max. | | B Max. | | C | | D Max. | | E Max. | | F Max. | |
|-------------|--------|-------|--------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. |
| 9 | .850 | 21.59 | .370 | 9.40 | .565 | 14.35 | .600 | 15.24 | .450 | 11.43 | .410 | 10.41 |
| 15 | 1.000 | 25.40 | .370 | 9.40 | .715 | 18.16 | .720 | 18.29 | .570 | 14.48 | .580 | 14.73 |
| 21 | 1.150 | 29.21 | .370 | 9.40 | .865 | 21.97 | .840 | 21.34 | .690 | 17.53 | .740 | 18.80 |
| 25 | 1.250 | 31.75 | .370 | 9.40 | .965 | 24.51 | .900 | 22.86 | .750 | 19.05 | .850 | 21.59 |
| 31 | 1.400 | 35.56 | .370 | 9.40 | 1.115 | 28.32 | .960 | 24.38 | .810 | 20.57 | .980 | 24.89 |
| 37 | 1.550 | 39.37 | .370 | 9.40 | 1.265 | 32.13 | 1.000 | 25.40 | .850 | 21.59 | 1.130 | 28.70 |
| 51 | 1.500 | 38.10 | .410 | 10.41 | 1.215 | 30.86 | 1.030 | 26.16 | .880 | 22.35 | 1.080 | 27.43 |
| 51-2 | 1.910 | 48.51 | .370 | 9.40 | 1.615 | 41.02 | 1.030 | 26.16 | .880 | 22.35 | 1.510 | 38.35 |
| 67 | 2.310 | 58.67 | .370 | 9.40 | 2.015 | 51.18 | 1.030 | 26.16 | .880 | 22.35 | 1.880 | 47.75 |
| 69 | 1.810 | 45.97 | .410 | 10.41 | 1.515 | 38.48 | 1.030 | 26.16 | .880 | 22.35 | 1.380 | 35.02 |
| 100 | 2.235 | 56.77 | .460 | 11.68 | 1.800 | 45.72 | 1.090 | 27.69 | .940 | 23.88 | 1.470 | 37.34 |

N