



Glenair's Filtered Solder Cup Micro-D's provide EMI solutions in a miniaturized M83513 type connector. These connectors feature ceramic capacitor planar arrays and ferrite inductors. Solder cups accept #26 thru #30 AWG wire, or specify oversize contacts for #24 gage wire.

Choose Pi or C Filter Arrays in seven filter classes and eight layouts. Glenair filtered Micro-D connectors comply with applicable MIL-DTL-83513 requirements and are 100% intermateable with standard connectors.

Choose 9 to 67 Contacts, with standard cadmium or nickel plating on the connector housing or choose optional finishes such as gold or chem film.

240-030
Micro-D Filter Connectors
Solder Cup



Micro-D
Connectors

TABLE I: SHELL FINISH

| SYM | MATERIAL | FINISH DESCRIPTION |
|-----|----------|-------------------------|
| 1 | Aluminum | Cadmium |
| 2 | Aluminum | Nickel |
| 5 | Aluminum | Gold |
| 6 | Aluminum | Chem Film |
| 33 | Aluminum | Ni-PTFE 1000 Hour Grey™ |

TABLE III: CAPACITOR ARRAY CODE
CAPACITANCE RANGE

| CLASS | PI - CIRCUIT (pF) | C - CIRCUIT (pF) |
|-------|-------------------|------------------|
| A | 38,000 - 56,000 | 19,000 - 28,000 |
| B | 32,000 - 45,000 | 16,000 - 22,500 |
| C | 18,000 - 33,000 | 9,000 - 16,500 |
| D | 8,000 - 12,000 | 4,000 - 6,000 |
| E | 3,300 - 5,000 | 1,650 - 2,500 |
| F | 800 - 1,300 | 400 - 650 |
| G | 400 - 600 | 200 - 300 |

TABLE II: MICRO-D MOUNTING HARDWARE

| B | P | M | M1 | S | S1 | L | K | F | R |
|---|--|---|--|--|---|--|--|--|---|
| | | | | | | | | | |
| Thru-Hole Order Hardware Separately | Jackpost Removable Includes Nut and Washer | Jackscrew Hex Head Removable E-ring | Jackscrew Hex Head Removable E-ring Extended | Jackscrew Slot Head Removable E-ring | Jackscrew Slot Head Removable E-ring Extended | Jackscrew Hex Head Non-Removable | Jackscrew Slot Head Non-Removable Extended | Float Mount For Front Panel Mounting | Float Mount For Rear Panel Mounting |

MICRO-D FILTER SOLDER CUP DIMENSIONS

| Layout | A Max. | | B | | C Max. | | D Max. | | E Max. | | F | | H Max. | |
|--------|--------|-------|-----------|-----------|--------|-------|--------|------|--------|------|-----------|-----------|--------|-------|
| | In. | mm. | In. ±.003 | mm. ±0.08 | In. | mm. | In. | mm. | In. | mm. | In. ±.004 | mm. ±0.10 | In. | mm. |
| 9P | .785 | 19.94 | .565 | 14.35 | .333 | 8.46 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .400 | 10.16 |
| 9S | .785 | 19.94 | .565 | 14.35 | .400 | 10.16 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .400 | 10.16 |
| 15P | .935 | 23.75 | .715 | 18.16 | .483 | 12.27 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .550 | 13.97 |
| 15S | .935 | 23.75 | .715 | 18.16 | .551 | 14.00 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .550 | 13.97 |
| 21P | 1.085 | 27.56 | .865 | 21.97 | .633 | 16.08 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .700 | 17.78 |
| 21S | 1.085 | 27.56 | .865 | 21.97 | .701 | 17.81 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .700 | 17.78 |
| 25P | 1.185 | 30.01 | .965 | 24.51 | .733 | 18.62 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .800 | 20.32 |
| 25S | 1.185 | 30.01 | .965 | 24.51 | .801 | 20.35 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .800 | 20.32 |
| 31P | 1.335 | 33.91 | 1.115 | 28.32 | .883 | 22.43 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .950 | 24.13 |
| 31S | 1.335 | 33.91 | 1.115 | 28.32 | .951 | 24.16 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .950 | 24.13 |
| 37P | 1.485 | 37.72 | 1.265 | 32.13 | 1.033 | 26.24 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | 1.100 | 27.94 |
| 37S | 1.485 | 37.72 | 1.265 | 32.13 | 1.101 | 27.96 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | 1.100 | 27.94 |