



**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   |
|---|--|---|--|--|---|--|--|--|---|
|   |  |   |  |  |   |  |  |  |   |
| <b>Thru-Hole</b><br>Order Hardware Separately | <b>Jackpost</b><br>Removable Includes Nut and Washer | <b>Jackscrew</b><br>Hex Head Removable E-ring | <b>Jackscrew</b><br>Hex Head Removable E-ring Extended | <b>Jackscrew</b><br>Slot Head Removable E-ring | <b>Jackscrew</b><br>Slot Head Removable E-ring Extended | <b>Jackscrew</b><br>Hex Head Non-Removable | <b>Jackscrew</b><br>Slot Head Non-Removable Extended | <b>Float Mount</b><br>For Front Panel Mounting | <b>Float Mount</b><br>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 |