



APPLICATION NOTES

1. Materials/Finishes:
 Shells - See Table II
 Insulators - High grade rigid dielectric/N.A.
 Contacts - Copper Alloy/Gold Plated
2. Assembly to be identified with date code, cage code, Glenair P/N, and serial number
3. Electrical Performance:
 Dielectric withstanding voltage class A and B: 100 VDC
 All others: 500 VDC
 Insulation resistance: 5,000 megohms @ 100 VDC
 Current Rating Standard Density: 7.5 Amps maximum
 Current Rating High Density: 5 Amps maximum
4. Dimensions B and D taken from inside of shell for Pin/Plug and outside for Socket/Receptacle
5. Metric dimensions (mm) are indicated in parentheses

240-021
D-Subminiature Connector
EMI Filtered (MIL-DTL-24308 Type)



TABLE I: DIMENSIONS

| Shell Size | Number of Contacts | | A | B | C | D | E | F | G |
|------------|--------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| | STD | HD | ±.015 (0.38) | ±.005 (0.13) | ±.005 (0.13) | ±.005 (0.13) | ±.015 (0.38) | Max | Max |
| 1 | 9P | 15P | 1.213 (30.8) | .666 (16.9) | .984 (25.0) | .329 (8.4) | .494 (12.5) | .769 (19.5) | .432 (11.0) |
| | 9S | 15S | 1.213 (30.8) | .643 (16.3) | .984 (25.0) | .311 (7.9) | .494 (12.5) | .769 (19.5) | .432 (11.0) |
| 2 | 15P | 26P | 1.541 (39.1) | .994 (25.2) | 1.312 (33.3) | .329 (8.4) | .494 (12.5) | 1.093 (27.8) | .432 (11.0) |
| | 15S | 26S | 1.541 (39.1) | .971 (24.7) | 1.312 (33.3) | .311 (7.9) | .494 (12.5) | 1.635 (41.5) | .432 (11.0) |
| 3 | 25P | 44P | 2.088 (53.0) | 1.534 (39.0) | 1.852 (47.0) | .329 (8.4) | .494 (12.5) | 1.635 (41.5) | .432 (11.0) |
| | 25S | 44S | 2.088 (53.0) | 1.511 (38.4) | 1.852 (47.0) | .311 (7.9) | .494 (12.5) | 2.282 (58.0) | .432 (11.0) |
| 4 | 37P | 62P | 2.729 (69.3) | 2.182 (55.4) | 2.500 (63.5) | .329 (8.4) | .494 (12.5) | 2.282 (58.0) | .432 (11.0) |
| | 37S | 62S | 2.729 (69.3) | 2.159 (54.8) | 2.500 (63.5) | .311 (7.9) | .494 (12.5) | 2.282 (58.0) | .432 (11.0) |
| 5 | 50P | 78P | 2.635 (66.9) | 2.079 (52.8) | 2.406 (61.1) | .441 (11.2) | .605 (15.4) | 2.188 (55.6) | .544 (13.8) |
| | 50S | 78S | 2.635 (66.9) | 2.064 (52.4) | 2.406 (61.1) | .423 (10.7) | .605 (15.4) | 2.188 (55.6) | .544 (13.8) |
| 6 | X | 104P | 2.729 (69.3) | 2.212 (56.2) | 2.500 (63.5) | .503 (12.8) | .668 (17.0) | 2.312 (58.7) | .606 (15.4) |
| | | 104S | 2.729 (69.3) | 2.189 (55.6) | 2.500 (63.5) | .486 (12.3) | .668 (17.0) | 2.312 (58.7) | .606 (15.4) |

TABLE II: SHELL MATERIAL/FINISH

| Symbol | Material | Finish Description |
|--------|----------|--|
| J | Aluminum | Yellow Cadmium |
| M | | Electroless Nickel |
| MT | | NI-PTFE 1000 Hour Grey™ Nickel Fluorocarbon Polymer |
| ZN | | Zinc Nickel |

TABLE III: FILTER TYPE

| Symbol | Filter Type | H ±.010 (0.25) |
|--------|-------------|----------------|
| P | PI-Circuit | .610 ((15.5) |
| C | C-Circuit | .380 (9.7) |

TABLE IV:
CAPACITOR ARRAY CODE AND
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 V: HARDWARE OPTIONS

| Symbol | Hardware |
|--------|-----------------|
| B | No Hardware |
| C | 4-40 Clinch Nut |