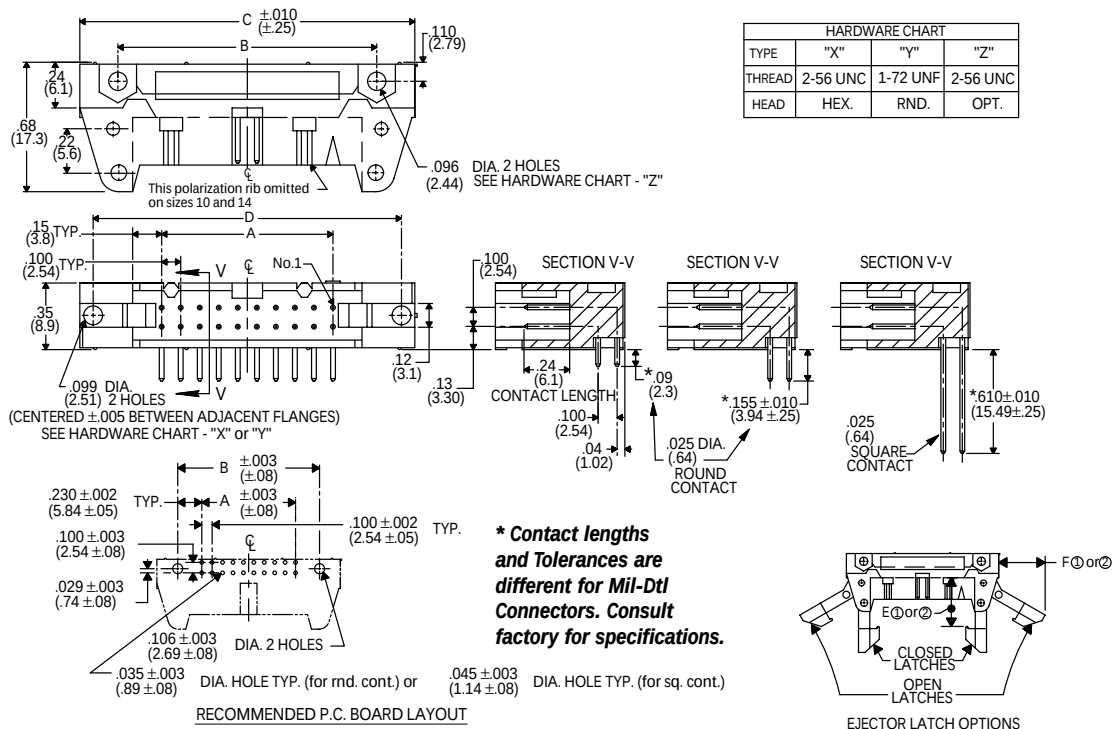


Headers – Fully Shrouded

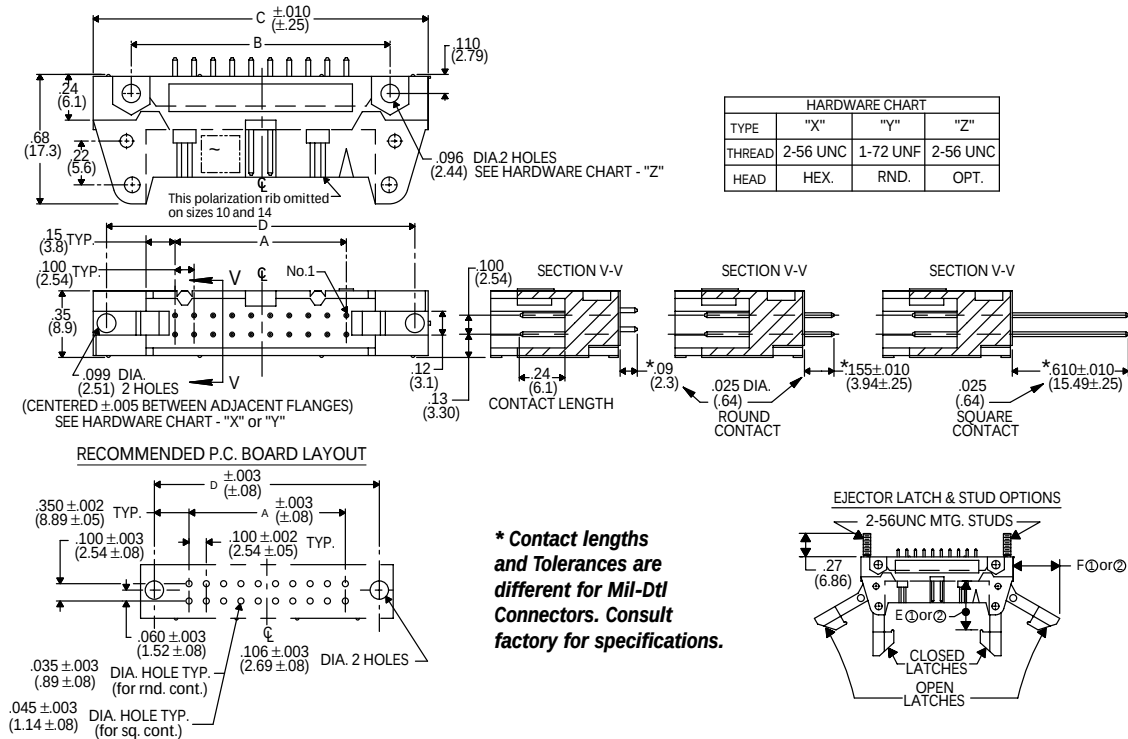
Engineering Dimensions

Dimensions

Right Angle Header



Straight Header



Specifications and Ordering Information

Specifications



- Contacts: phosphor bronze standard
- Contact Plating: 30μ in. gold (in mating area) over 50μ in. nickel, standard; 10μ gold (in mating area) over 50μ in. nickel, optional; 50μ in. gold (in mating area) over 50μ in. nickel, optional
- Insulator Material: UL 94V-0 flame - retardant thermoplastic
- Color: blue
- Operating Temperature: -55°C to +125°C
- Current Rating: 1A (maximum) per contact
- Dielectric Withstand Voltage: greater than 500 Vdc at sea level
- Insulation Resistance: greater than 5 x 10⁹ ohms
- U.S. Defense Department Mil-DTL-83503/24, and 25 approved

How to Order Fully Shrouded Header Connectors

CWN-XXX-XX-XXXX

Type of Connector
5 = polarized header
6 = non-polarized header*

Pin Configuration
0=right angle solder pins, .090" long
1=right angle solder pins, .155" long
2=right angle wire wrap
5=straight solder pins, .090" long
6=straight solder pins, .155" long
7=straight wire wrap pins

Latches
0=no latches
1=short latches for non-strain relief sockets (.425")
2=long latches for strain relief sockets (.573")

Number of Contacts
(10, 14, 16, 20, 26, 34, 40, 50 or 60)

Plating
0021=30μ in. gold (in mating area) over 50μ in. nickel (standard)
0000=10μ in. gold (in mating area) over 50μ in. nickel
0022=50μ in. gold (in mating area) over 50μ in. nickel Mil-DTL -83503 approved.
CWN-5X2 versions only
0077=Duplex plated, 30μ in. gold in mating area, 100μ in. tin-lead in solder pin area, all over 50μ in. nickel (optional)

HEADER DIMENSION CHART								
NO. CONT's	A	B	C	D	E _①	E _②	F _①	F _②
10	.400 (10.16)	.860 (21.84)	1.260 (32.00)	1.100 (27.94)	↑ .425 (10.80) ↓	↑ .573 (14.55) ↓	↑ .40 (10.2) ↓	↑ .51 (12.6) ↓
14	.600 (15.24)	1.060 (26.92)	1.460 (37.08)	1.300 (33.02)				
16	.700 (17.78)	1.160 (29.46)	1.560 (39.62)	1.400 (35.56)				
20	.900 (22.86)	1.360 (34.54)	1.760 (44.70)	1.600 (40.64)				
26	1.200 (30.48)	1.660 (42.16)	2.060 (52.32)	1.900 (48.26)				
34	1.600 (40.64)	2.060 (52.32)	2.460 (62.48)	2.300 (58.42)				
40	1.900 (48.26)	2.360 (59.94)	2.760 (70.10)	2.600 (66.04)				
50	2.400 (60.96)	2.860 (72.64)	3.260 (82.80)	3.100 (78.74)				
60	2.900 (73.66)	3.360 (85.34)	3.760 (95.50)	3.600 (91.44)				

E_① and F_① pertains to all headers with short latches

E_② and F_② pertains to all headers with long latches

*Polarizing ribs removed