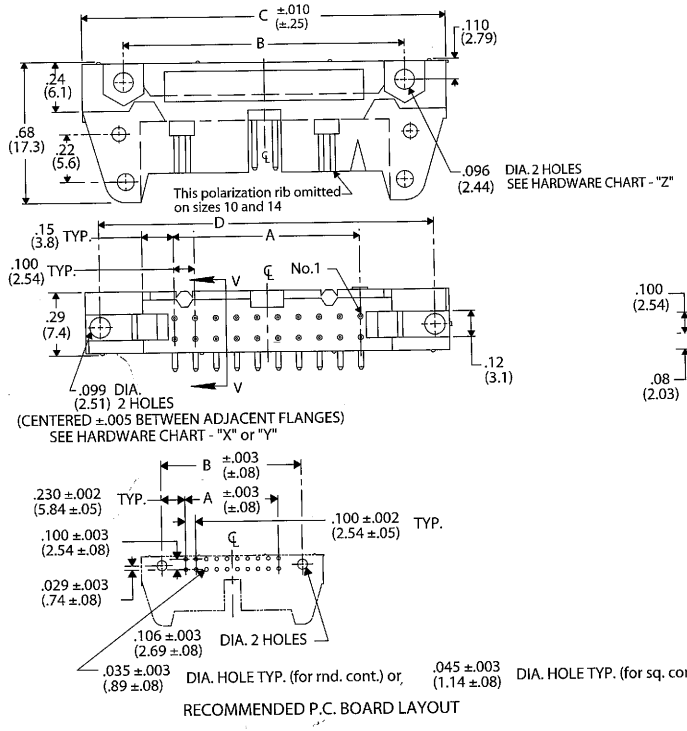
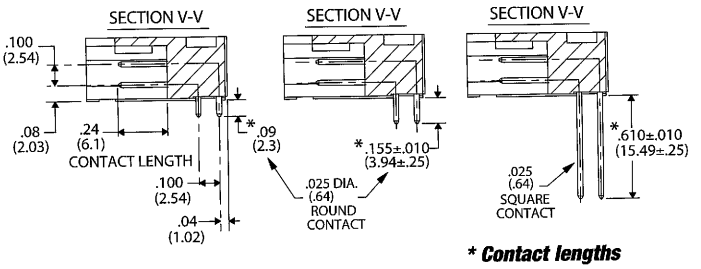
Engineering Dimensions

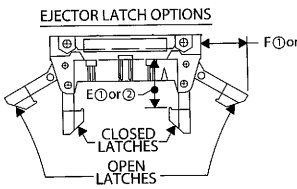
Dimensions

Right Angle Header



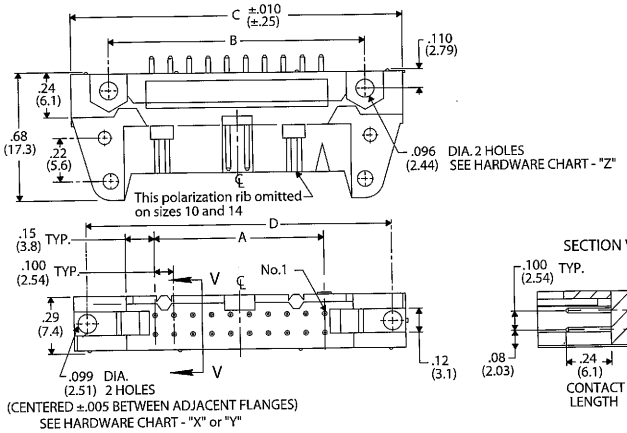
HARDWARE CHART			
TYPE	"X"	"Y"	"Z"
THREAD	2-56 UNC	1-72 UNF	2-56 UNC
HEAD	HEX.	RND.	OPT.



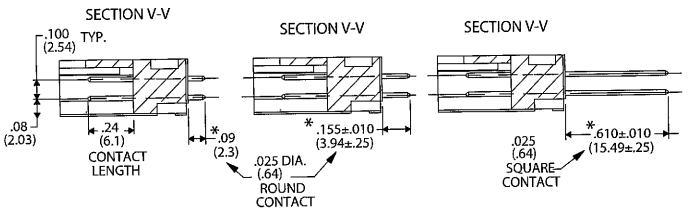


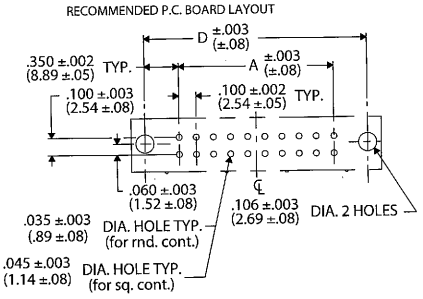
**** Contact lengths and Tolerances are different for Mil-Dtl Connectors. Consult factory for specifications.***

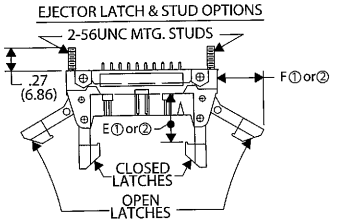
Straight Header



HARDWARE CHART			
TYPE	"X"	"Y"	"Z"
THREAD	2-56 UNC	1-72 UNF	2-56 UNC
HEAD	HEX.	RND.	OPT.







**** Contact lengths and Tolerances are different for Mil-Dtl Connectors. Consult factory for specifications.***

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: -55ºC to +125ºC
- Current Rating: 1A (maximum) per contact
- Dielectric Withstand Voltage: greater than 500 Vdc at sea level
- Insulation Resistance: greater than 5 x 10^9 ohms
- U.S. Defense Department Mil-DTL-83503/20, 21, approved

How to Order Header Connectors

CWN-XXX-XX-XXXX

Type of Connector
3=polarized header
4=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, 60)

Plating
0021=30µ 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-3X2 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	E①	E②	F①	F②
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)				

E① and F① pertains to all headers with short latches
E② and F② pertains to all headers with long latches
*Polarizing ribs removed