



240-066

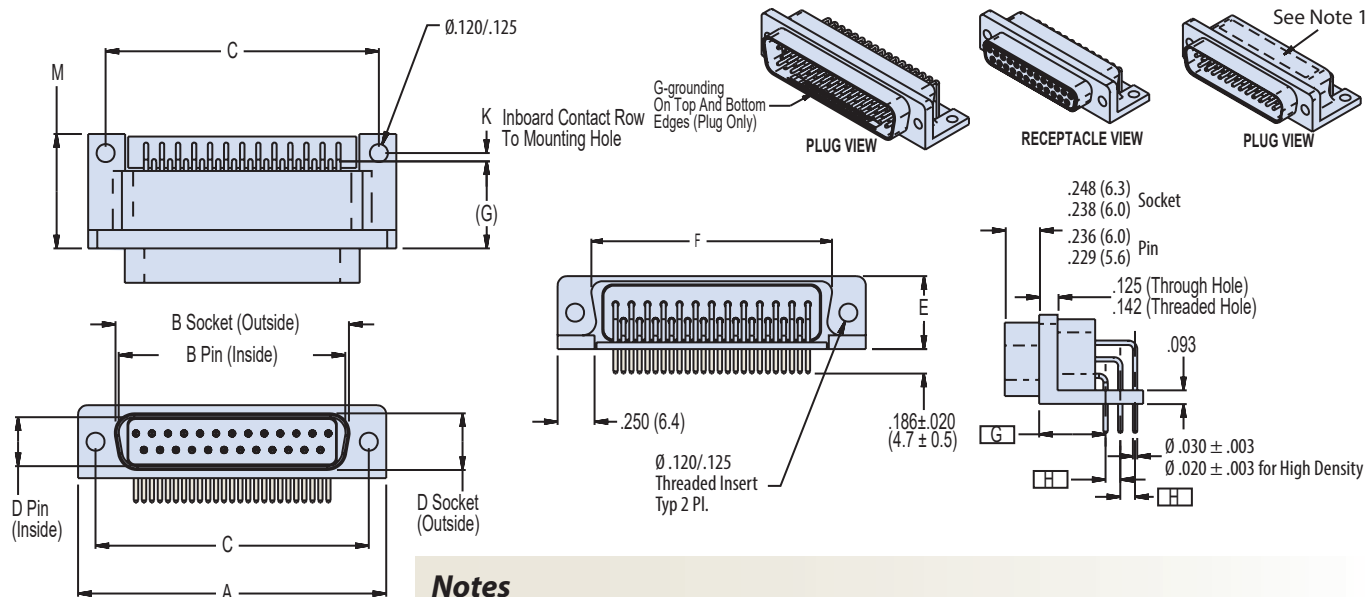
D-Subminiature Filter Connector

Right Angle PCB Contacts

How To Order Filter D-Subminiature Right-Angle Mount Connectors

Sample Part Number		240-066	S	-15	P	-Z2	C	A	C	M	-G
Series	240-066										
Contact Density	S - Standard H - High										
Number of Contacts	9, 15, 25, 26, 37, 44, 50, 62, 78, 104 (See Table II)										
Contact Type	P - Pin S - Socket (See Table I)										
Shell Material/Finish	Aluminum Shell		Brass Shell								
	ME - Electroless Nickel JF - Yellow Cadmium		GS - Gold								
	MT - Nickel-PTFE Z2 - Gold E - Chem Film										
Filter Type	C - C Filter P - Pi Filter (See Table I)										
Filter Class	A, B, C, D, E, F, G, J (See Table I)										
Mounting Options	B - No Hardware C - 4-40 Clinch Nut M - Metric Thread (M3)										
Footprint Type	M - Mil-Spec E - European (See Table V)										
EMI Spring	G - EMI Spring (Plug/Pin Only) N - No Spring										

E



Notes

1. Assembly to be identified with Glenair's name, part number, and date code space permitting
2. Dimensions B and D taken from inside of shell for Pin/Plug and outside for Socket/Receptacle.
3. Electrical Performance:
Dielectric Withstanding Voltage: 500 VDC
Insulation Resistance: 5,000 megohms @ 200 VDC
Current Rating Standard Density: 7.5 Amps max.
Current Rating High Density: 5 Amps max.

Materials/Finishes:

Insulators - High Grade Rigid Dielectric/N.A
Contacts - Copper Alloy/Gold Plated

Table I: 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
J	70 - 120	35 - 60

Dimensions in inches (millimeters) and are subject to change without notice.

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D-Subminiature Filter Connector
Right Angle PCB Contacts



D-Subminiature
MIL-DTL-24308 Type

Table II: Dimensions

Shell Size	Number of Contacts		A	B	C	D	E	F
	STD	HD	±.015 (0.38)	±.005 (0.13)	±.005 (0.13)	±.005 (0.13)	±.015 (0.38)	Max
1	9P	15P	1.213 (30.8)	.666 (16.9)	.984 (25.0)	.329 (8.4)	.494 (12.5)	.769 (19.5)
	9S	15S	1.213 (30.8)	.643 (16.3)	.984 (25.0)	.311 (7.9)	.494 (12.5)	.769 (19.5)
2	15P	26P	1.541 (39.1)	.994 (25.2)	1.312 (33.3)	.329 (8.4)	.494 (12.5)	1.093 (27.8)
	15S	26S	1.541 (39.1)	.971 (24.7)	1.312 (33.3)	.311 (7.9)	.494 (12.5)	1.093 (27.8)
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)
	25S	44S	2.088 (53.0)	1.511 (38.4)	1.852 (47.0)	.311 (7.9)	.494 (12.5)	1.635 (41.5)
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)
	37S	62S	2.729 (69.3)	2.159 (54.8)	2.500 (63.5)	.311 (7.9)	.494 (12.5)	2.282 (58.0)
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)
	50S	78S	2.635 (66.9)	2.064 (52.4)	2.406 (61.1)	.423 (10.7)	.605 (15.4)	2.188 (55.6)
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)
		104S	2.729 (69.3)	2.189 (55.6)	2.500 (63.5)	.486 (12.3)	.668 (17.0)	2.312 (58.7)

Table V: Dimensions

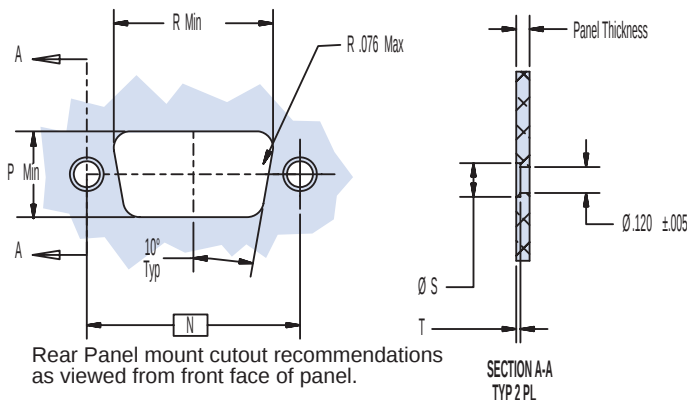
Contact Density	# of Contacts	Footprint Type	H Basic	K Basic	M ± .015	
					Pi Filter	C Filter
Standard Density	9-37	Mil-Aero	.112 (2.8)	.056 (1.4)	.777 (19.7)	.637 (16.2)
		Euro Style	.100 (2.5)	.050 (1.3)	.765 (19.4)	.625 (15.9)
	50	Mil-Aero	.112 (2.8)	.112 (2.8)	.889 (22.6)	.749 (19.0)
		Euro Style	.100 (2.5)	.100 (2.5)	.865 (22.0)	.725 (18.4)
High Density	15-62	Mil-Aero	.078 (2.0)	.078 (2.0)	.821 (20.9)	.681 (17.3)
		Euro Style	.100 (2.5)	.100 (2.5)	.865 (22.0)	.725 (18.4)
	78	Mil-Aero	.082 (2.1)	.123 (3.12)	.911 (23.1)	.771 (19.6)
		Euro Style	.100 (2.5)	.150 (3.81)	.965 (24.5)	.825 (21.0)
	104	Mil-Aero	.082 (2.1)	.200 (5.08)	1.065 (27.1)	.853 (21.7)
		Euro Style	.100 (2.5)	.164 (4.2)	.993 (25.2)	.925 (23.5)

Table III: Cut-Out Dimensions

Shell Size	N BSC	P Min	R Min
1	.984 (25.0)	.396 (10.1)	.735 (18.7)
2	1.312 (33.3)	.396 (10.1)	1.060 (26.9)
3	1.852 (47.0)	.396 (10.1)	1.603 (40.7)
4	2.500 (63.5)	.396 (10.1)	2.251 (57.2)
5	2.406 (61.1)	.510 (13.0)	2.148 (55.0)
6	2.500 (63.5)	.630 (16.0)	2.276 (57.8)

Table IV: Panel Thickness

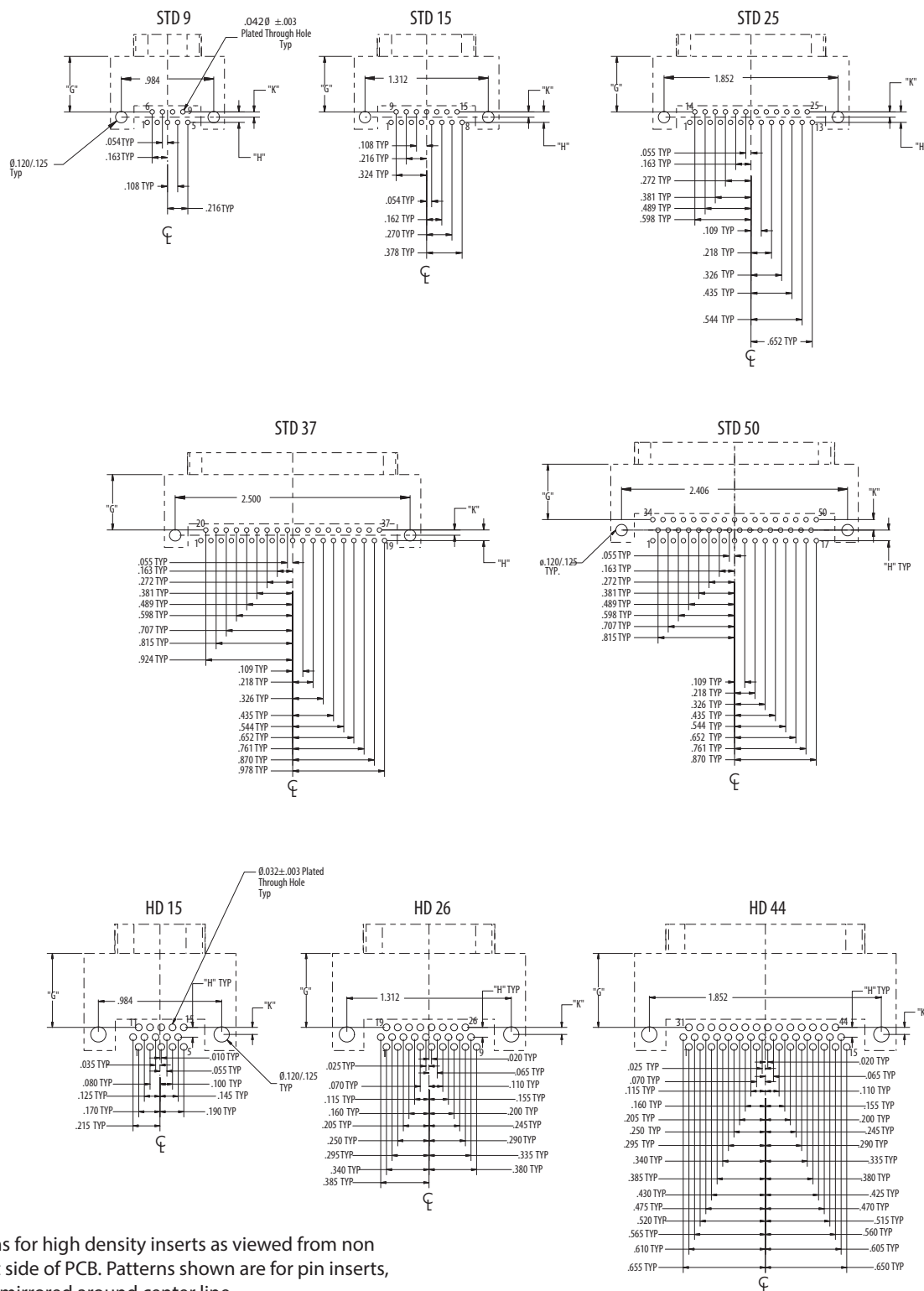
Panel Code	Panel Thickness	S	T
R1	.031 (0.79)	N/A	N/A
R2	.047 (1.19)	.156/.199 (4.0/5.1)	.005 (0.13)
R3	.062 (1.57)	.156/.199 (4.0/5.1)	.020 (0.50)
R4	.093 (2.36)	.156/.199 (4.0/5.1)	.051 (1.30)
R5	.104 (2.64)	.156/.199 (4.0/5.1)	.061 (1.55)
R6	.125 (3.18)	.156/.199 (4.0/5.1)	.082 (2.08)
R7	.156 (3.96)	.156/.199 (4.0/5.1)	.114 (2.90)



Dimensions in inches (millimeters) and are subject to change without notice.

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Right Angle PCB Contacts • Connector Footprints



PCB patterns for high density inserts as viewed from non component side of PCB. Patterns shown are for pin inserts, sockets are mirrored around center line.

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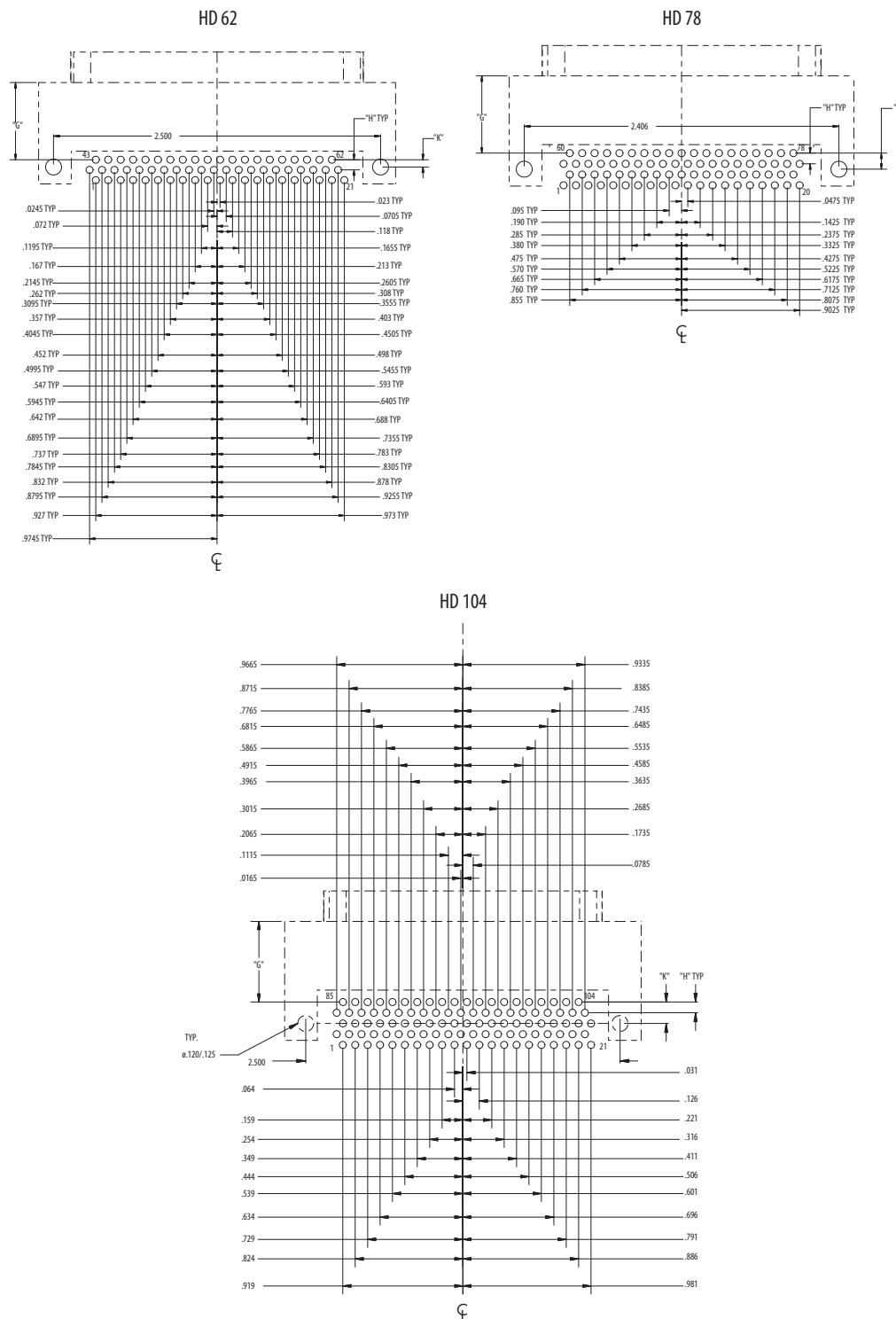
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D-Subminiature Filter Connector
Right Angle PCB Contacts • Connector Footprints



D-Subminiature
MIL-DTL-24308 Type



E

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