240-021
D-Subminiature Filter Connector
Solder Cup / Straight PCB Contacts

How To Order Filter D-Subminiature Connectors									
Sample Part Number	**240-021**	**S**	**-15**	**S**	**JF**	**P**	**G**	**B**	**-S**

Series	**240-021**
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** **ME** - Electroless Nickel **JF** - Yellow Cadmium **MT** - Nickel-PTFE **Z2** - Gold **E** - Chem Film **Brass Shell** **GS** - Gold
Filter Type	**C** - C Filter **P** - Pi Filter (See Table I)
Filter Class	**A**, **B**, **C**, **D**, **E**, **F**, **G**, **J** (See Table I)
Hardware Options	**B** - No Hardware **C** - 4-40 Clinch Nut
Termination Type	**P** - PC Tails **S** - Solder Cups

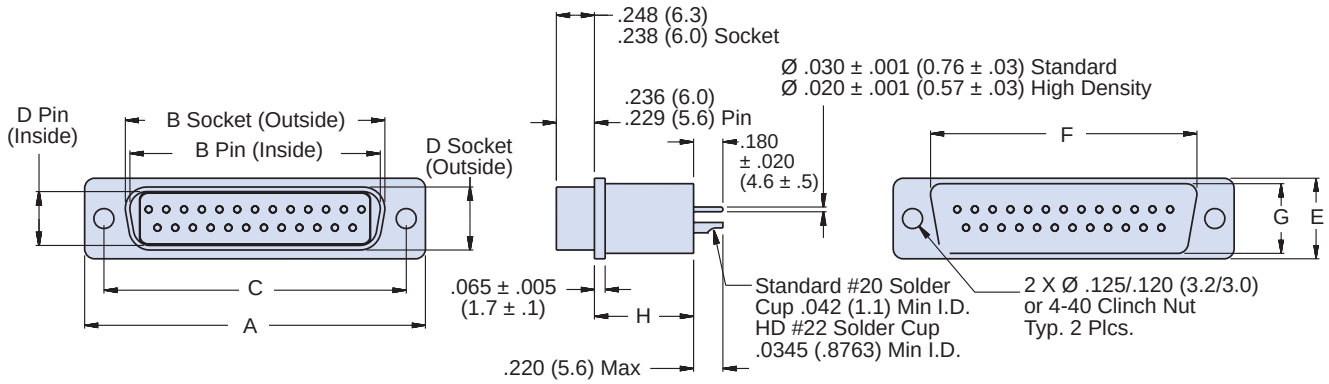

Table I: Capacitor Array Code Capacitance Range		
Class	**Pi - Circuit (pF)**	**C - Circuit (pF)**
A	38,000 - 56,000	19,000 - 28,000
B	32,000 - 45,000	16,000 - 22,500
C	18,000 - 33,000	9,000 - 16,500
D	8,000 - 12,000	4,000 - 6,000
E	3,300 - 5,000	1,650 - 2,500
F	800 - 1,300	400 - 650
G	400 - 600	200 - 300
J	70 - 120	35 - 60

Notes

1. Assembly to be identified with Glenair's name, part number, and date code space permitting
2. 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.
3. Dimensions B and D taken from inside of shell for Pin/Plug and outside for Socket/ Receptacle

Materials/Finishes:

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

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

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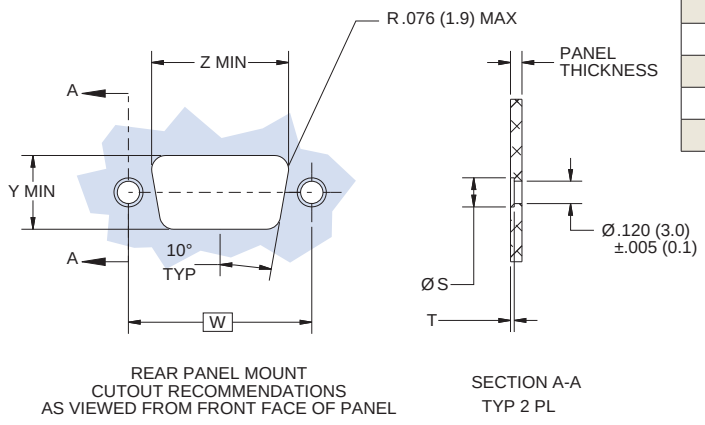
Table II: Dimensions										
Shell Size	Number of Contacts		A ±.015 (0.38)	B ±.005 (0.13)	C ±.005 (0.13)	D ±.005 (0.13)	E ±.015 (0.38)	F Max	G Max	H ± .010 (0.25)
	STD	HD								
1	9P	15P	1.213 (30.8)	.666 (16.9)	.984 (25.0)	.329 (8.4)	.494 (12.5)	.769 (19.5)	.432 (11.0)	
	9S	15S	1.213 (30.8)	.643 (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)	1.093 (27.8)	.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)	Pi Filter = .610 (15.5)
	25S	44S	2.088 (53.0)	1.511 (38.4)	1.852 (47.0)	.311 (7.9)	.494 (12.5)	1.635 (41.5)	.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)	C Filter = .380 (9.7)
	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)	

E



REAR PANEL MOUNT
CUTOUT RECOMMENDATIONS
AS VIEWED FROM FRONT FACE OF PANEL

SECTION A-A
TYP 2 PL

Table III: Cut-Out Dimensions					
Shell Size	V Min	W Bsc	X Min	Y Min	Z Min
1	.442 (11.2)	.984 (25.0)	.779 (19.8)	.396 (10.1)	.735 (18.7)
2	.442 (11.2)	1.312 (33.3)	1.110 (28.2)	.396 (10.1)	1.060 (26.9)
3	.442 (11.2)	1.852 (47.0)	1.649 (41.9)	.396 (10.1)	1.603 (40.7)
4	.442 (11.2)	2.500 (63.5)	2.296 (58.3)	.396 (10.1)	2.251 (57.2)
5	.554 (14.1)	2.406 (61.1)	2.198 (55.8)	.510 (13.0)	2.148 (54.6)
6	.616 (15.6)	2.500 (63.5)	2.322 (59.0)	.630 (16.0)	2.276 (57.8)

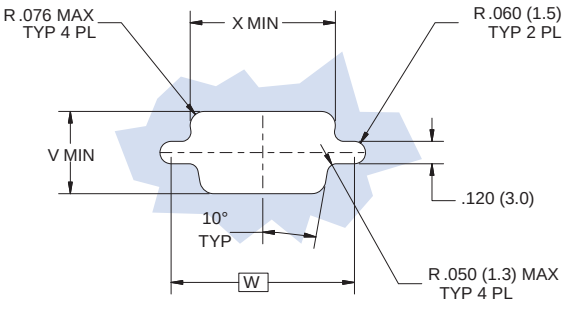


Table IV: Panel Thickness			
Panel Code	Panel Thickness	S	T
R1	.031 (0.79)	N/A	N/A
R2	.047 (1.19)	.156/.199 (4.0/5.1)	.005 (0.13)
R3	.062 (1.57)	.156/.199 (4.0/5.1)	.020 (0.50)
R4	.093 (2.36)	.156/.199 (4.0/5.1)	.051 (1.30)
R5	.104 (2.64)	.156/.199 (4.0/5.1)	.061 (1.55)
R6	.125 (3.18)	.156/.199 (4.0/5.1)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

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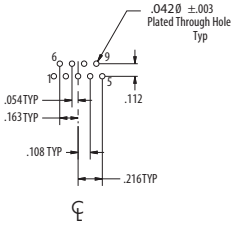
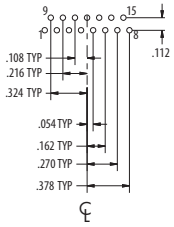
240-021
D-Subminiature Filter Connector
Solder Cup / Straight PCB Contacts • Connector Footprints

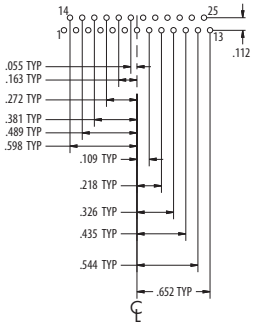
STD 9



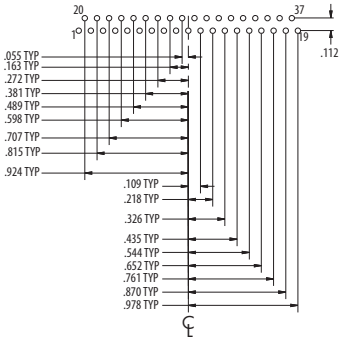
STD 15



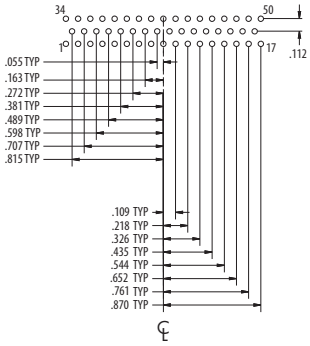
STD 25



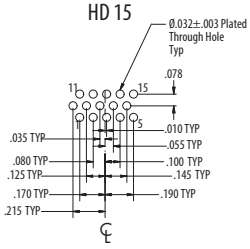
STD 37



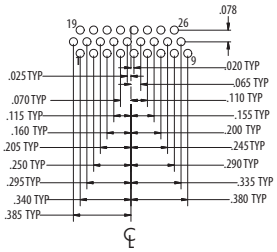
STD 50



HD 15



HD 26



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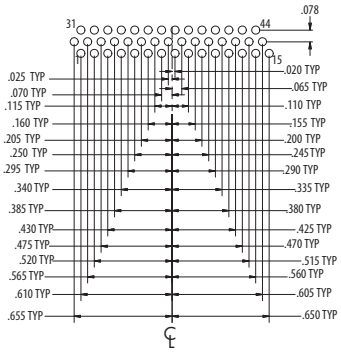

PCB patterns for high density inserts as viewed from non component side of PCB. Patterns shown are for pin inserts, sockets are mirrored around center line.

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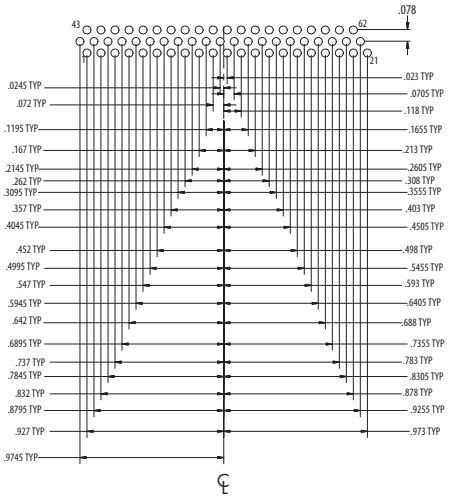
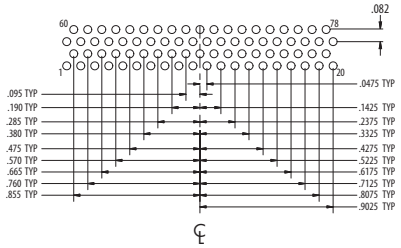
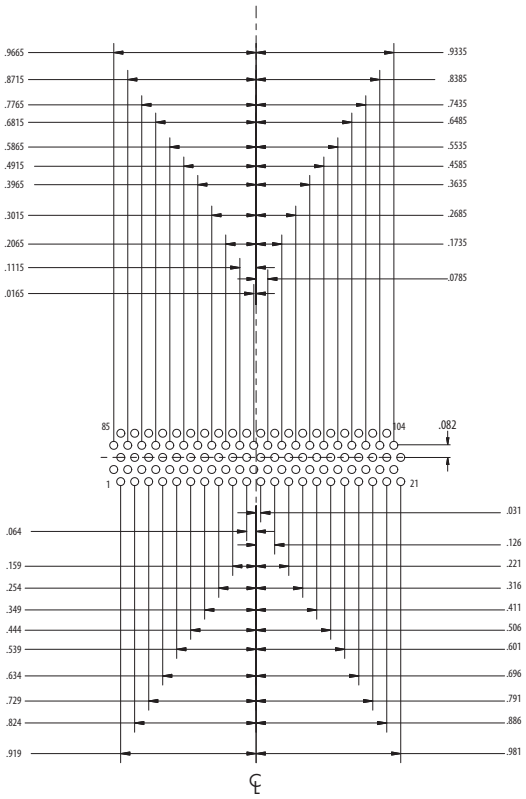
HD 62



HD 78



HD 104



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