



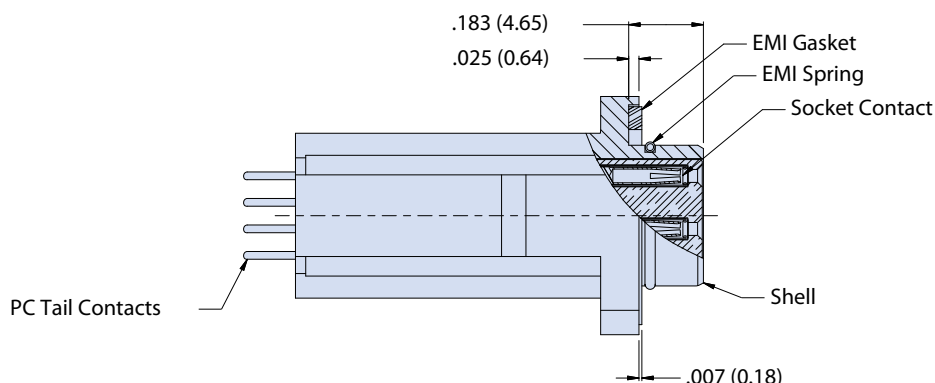
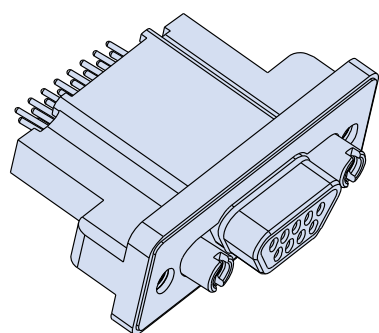
240-790-029

Series 79 Filtered Plug

Rear Panel Mount with Straight PC Tails

How To Order Filter Series 79 Connectors

Sample Part Number		240-790-029	S	H-66	ME	E	P	D	S	A
Series	240-790-029									
Contact Type	S - Socket Contacts									
Insert Arrangement	(See Table I)									
Shell Material/Finish	Aluminum Shell ME - Electroless Nickel MT - Nickel-PTFE E - Chem Film Z2 - Gold UC - Zinc Cobalt with Black Chromate J - Cadmium with Yellow Chromate NF - Cad/O.D. over Electroless Nickel									
EMI Spring	E - With EMI Spring N - No EMI Spring									
Filter Type	C - C Filter P - Pi Filter									
Filter Class	X, Y, Z, A, B, C, D, E, F, G, J (See Table II)									
Mating Hardware Options	P - Jackposts G - Male Guide Pins S - Female Guide Sockets N - No Mating Hardware (See Table)									
PC Tail Length	A - .125" (3.18) B - .250" (6.35) C - .375" (9.53)									



Notes

- Assembly to be identified with Glenair's name, part number, and date code, space permitting
- Ground spring is not compatible with Zinc Cobalt or Cadmium platings. Ground spring is only available with Nickel, Teflon Nickel, Gold, or Chem Film plating on the shell.
- EMI Filtered plug connector designed to meet requirements of MIL-STD-2120 and Glenair Series 79 specifications. Unless otherwise specified herein, refer to Glenair specification 799-008 for additional performance characteristics.
- All contacts to have identical filter value. Other filter arrangements available, contact factory
- See pages G-32 to G-37 for PCB hole patterns
- Dielectric Withstanding Voltage: 500 VDC (Filter Class X, Y, Z are 250 VDC)
- Insulation Resistance: 5,000 MEGOHMS min @ 200VDC for

Class A, B, C, D, E, F, G & J. 1,000 MEGOHMS @ 83VDC for classes, X, Y, & Z

- Current Carrying Capacity
 - 23 Gage - 5 Amps max. for all layouts
 - 16 Gage - 7.5 Amps max. for combo layouts / 13 Amps max. for all-power layouts
 - 12 Gage - 13 Amps max. for combo layouts / 23 Amps max. for all-power layouts
- Other filter styles (C-L, L-C, Unbalanced Pi, Multi-Stage, Multi-Value) are available. Please consult factory with your requirements.

Materials/Finishes:

Insulators - High Grade Rigid Dielectric / N.A.
 Contacts - Copper Alloy / 50 microinches Gold over Nickel
 Mating Hardware - 300 Series Stainless Steel / Passivated
 EMI Gasket - Silver-Filled Fluorosilicone, CHO-SEAL 1287

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

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Series 79
Micro-Crimp

Table I: Contact Arrangements

Layout	Contact Quantity			Face View
	#23	#16	#12	
A-5	5			
B-2P2		2		
B-9	9			
C-13	13			
D-15	15			
D-3P3		3		
D-7P2	5	2		
E-11P2	9	2		
E-19	19			
E-7P3	4	3		
F-15P2	13	2		
F-23	23			
F-5P5		5		
G-33	33			
H-10P4	6		4	
H-29P7	22	7		
H-36P2	34		2	
H-54P2	52	2		
H-5P5			5	
H-66	66			
J-17P4	13	4		
J-25P2	23	2		
J-33	33			
J-7P7		7		
K-27P4	23	4		
K-35P2	33	2		
K-43	43			
K-9P9		9		
L-6P6			6	
L-78	78			
M-102	102			

Table II: Capacitor Array Code / Capacitance Range

Class	Pi - Circuit (pF)	C - Circuit (pF)
X*†	160,000 - 240,000	80,000 - 120,000
Y*	80,000 - 120,000	40,000 - 60,000
Z*	60,000 - 90,000	30,000 - 45,000
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

* Filter Classes X, Y and Z are 250 VDC.

All others are 500 VDC

† Class X filters not available for insert arrangements with 3 or more rows of contacts

Blind mate

SHELL SIZES A, B, C, D, E, F, G, J, K

± .030 (0.76) Allowable misalignment from centerline

SHELL SIZES H, L

± .040 (1.02) Allowable misalignment from centerline

SHELL SIZE M

± .050 (1.27) Allowable misalignment from centerline

Table III: Hardware Option

N No Mating Hardware		Connector supplied with blind tapped holes. .150" (3.8 mm) minimum depth. Shell size M has #8-32 UNC-2B thread. Shell sizes H and L have #6-32 UNC-2B thread. All other sizes have #4-40 UNC-2B thread.
P Jackposts		Connector is supplied with non-removable stainless steel jackposts. Shell size M has 6-32-UNC thread. Shell sizes H and L have #4-40 UNC-2B thread. All other sizes have #2-56 UNC-2B thread.
G Guide Pins		Connector is supplied with stainless steel non-removable guide pins for blind mate applications. Mates with type "S" guide sockets on corresponding plug connector.
S Guide Sockets		Connector is supplied with stainless steel non-removable bushings for blind mate applications. Mates with type "G" guide pins on corresponding plug connector.

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

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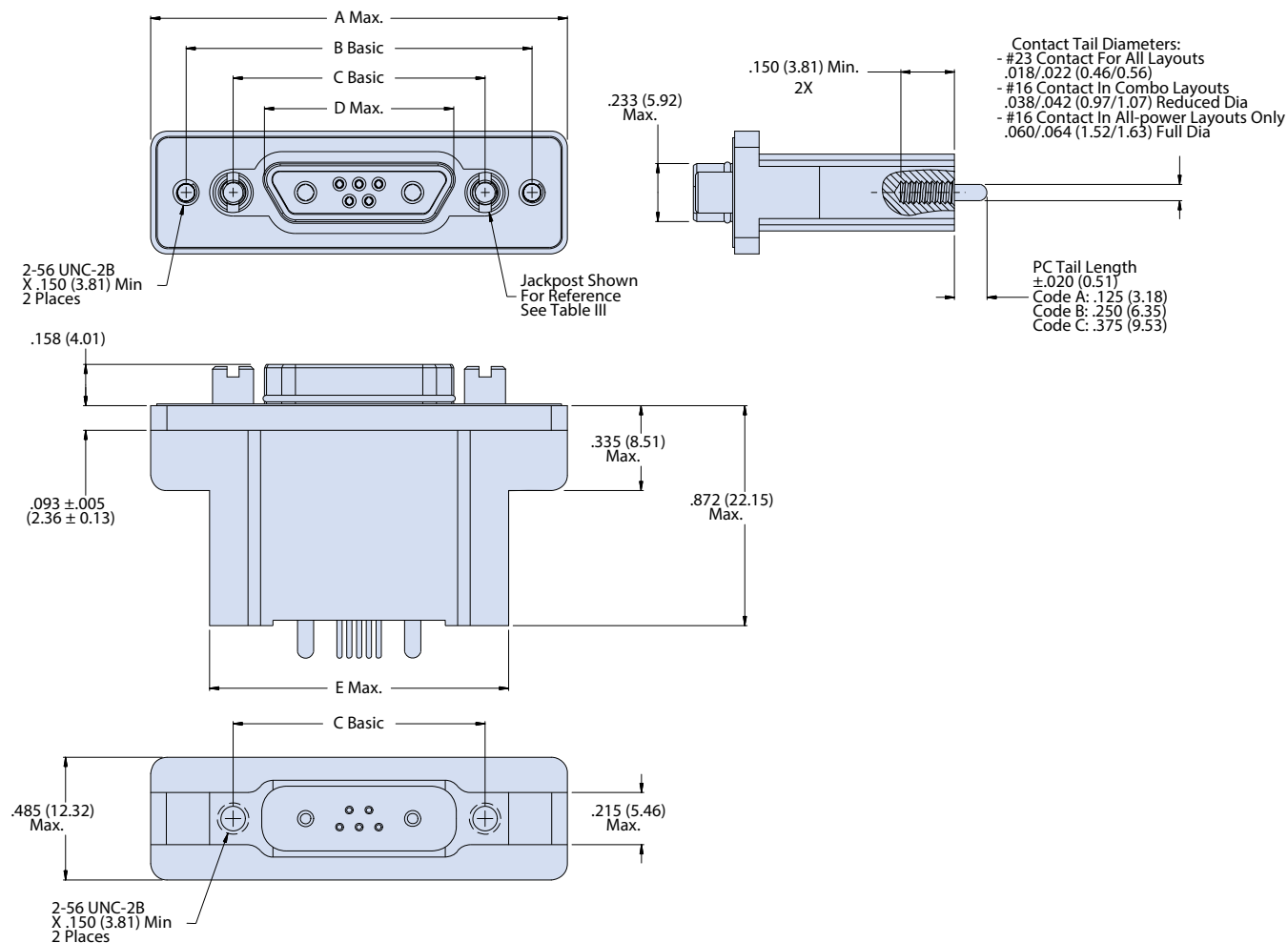
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G



240-790-029 Series 79 Filtered Plug Rear Panel Mount with Straight PC Tails

240-790-029S SHELL SIZE A, B, C, D, E, F, J AND K DIMENSIONS



Shell Sizes A, B, C, D, E, F, J, K

790-029S Dimensions for Size A-F, J and K

Shell Size	A Max.		B Basic		C Basic		D Max.		E Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
A	1.211	30.76	.925	23.50	.565	14.35	.335	8.51	.760	19.30
B	1.361	34.57	1.075	27.31	.715	18.16	.485	12.32	.910	23.11
C	1.511	38.38	1.225	31.12	.865	21.97	.635	16.13	1.060	26.92
D	1.611	40.92	1.325	33.66	.965	24.51	.735	18.67	1.160	29.46
E	1.761	44.73	1.475	37.47	1.115	28.32	.885	22.48	1.310	33.27
F	1.911	48.54	1.625	41.28	1.265	32.13	1.035	26.29	1.460	37.08
J	2.261	57.43	1.975	50.17	1.615	41.02	1.390	35.31	1.810	45.97
K	2.661	67.59	2.375	60.33	2.015	51.18	1.795	45.59	2.210	56.13

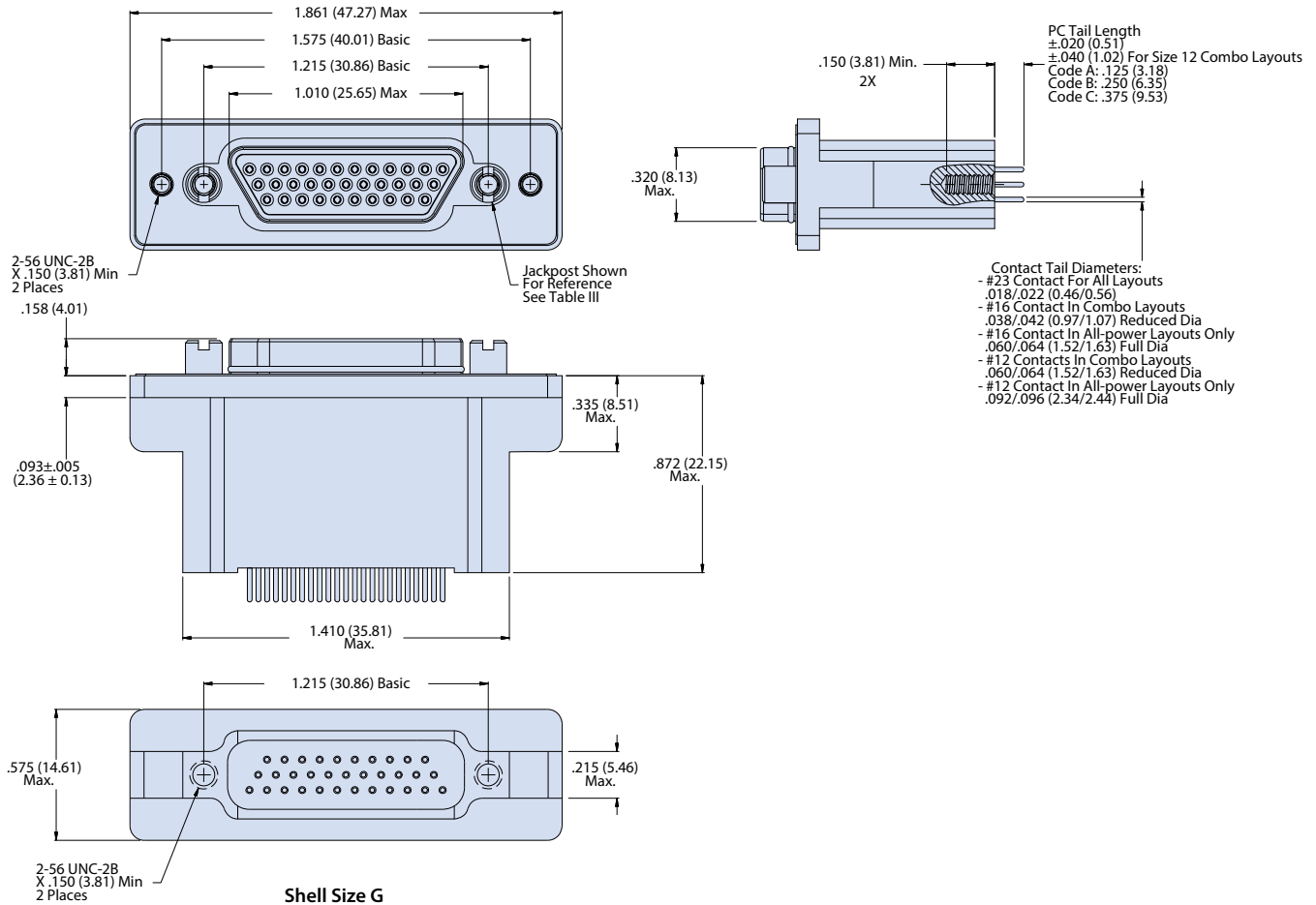
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Series 79
Micro-Crimp

240-790-029S SHELL SIZE G DIMENSIONS



G

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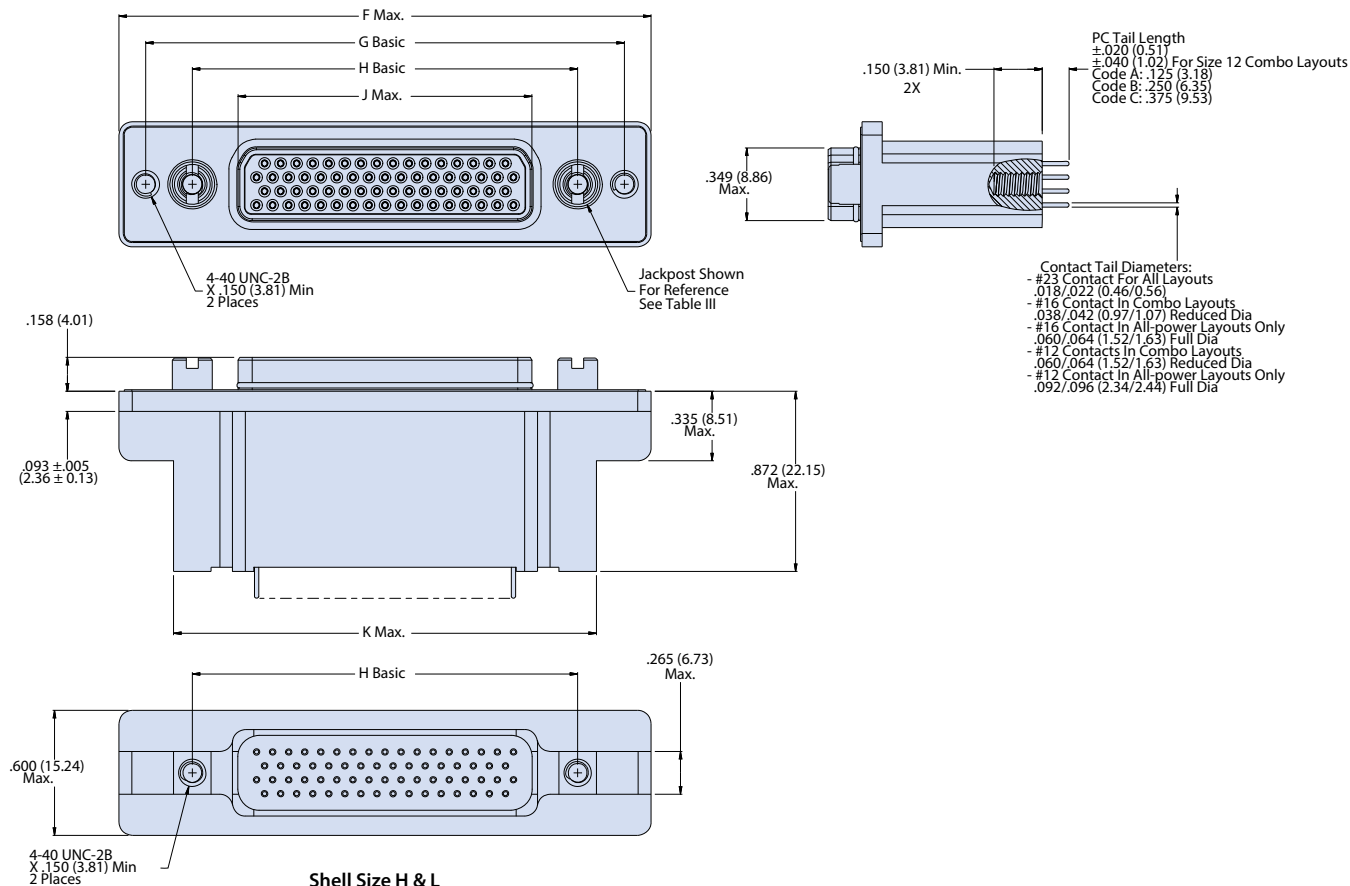
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240-790-029 Series 79 Filtered Plug Rear Panel Mount with Straight PC Tails

240-790-029S SHELL SIZE H AND L DIMENSIONS



790-029S Size H & L Dimensions

Shell Size	F Max.		G Basic		H Basic		J Max.		K Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
H	2.500	63.50	2.236	56.79	1.800	45.72	1.385	35.18	2.045	51.94
L	2.736	69.49	2.472	62.79	2.036	51.71	1.623	41.22	2.281	57.94

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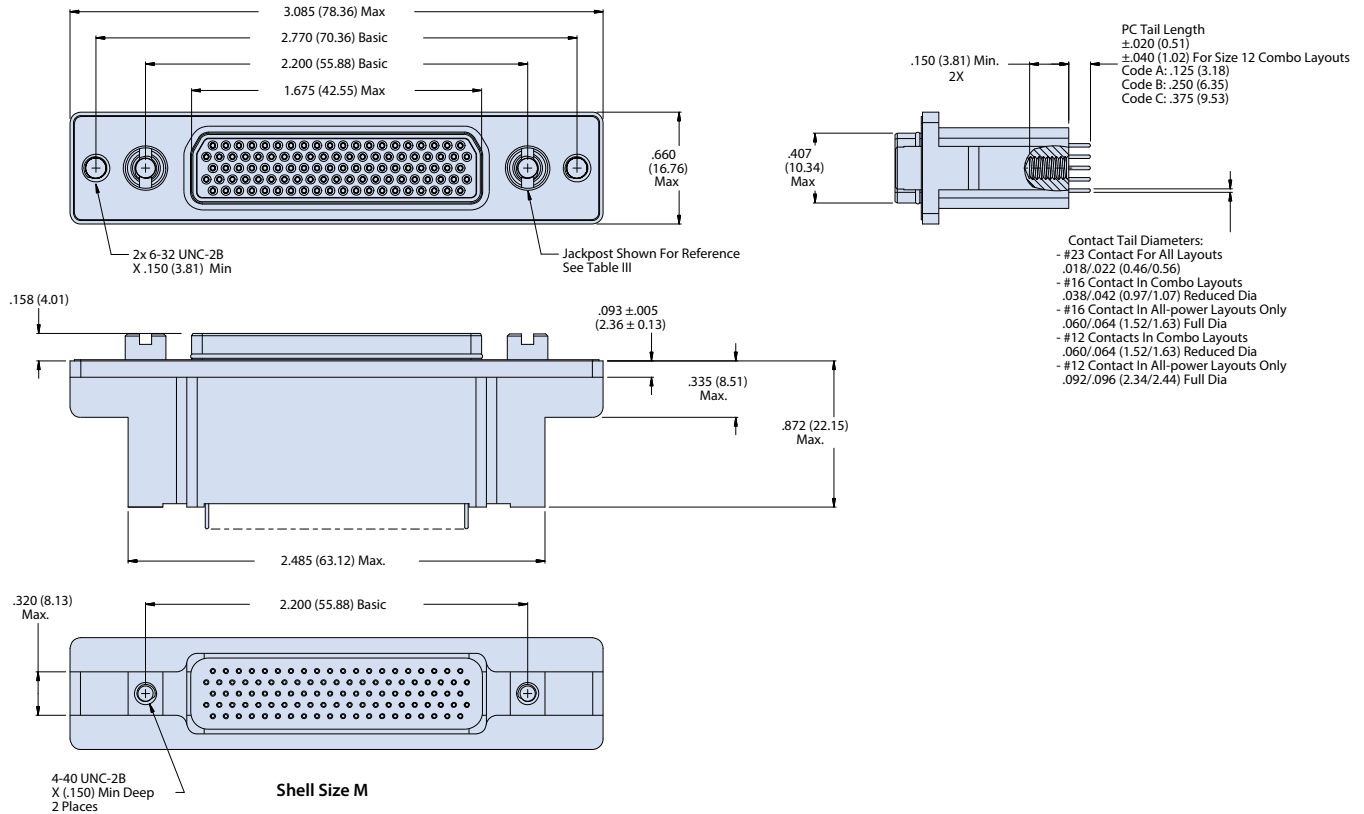
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240-790-029
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240-790-029S SHELL SIZE M DIMENSIONS



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