

SERIES 805 FILTERED CONNECTORS



Series 805 Filtered Connectors feature triple-start ACME coupling threads. Available in **Jam Nut** and **Square Flange** versions, these environmentally sealed connectors offer aerospace filter performance in a miniaturized package.

These connectors mate to standard Series 805 plugs.

Consult Factory for Additional Filter Types, TVS Diodes, and other Custom Filter Connector Configurations.

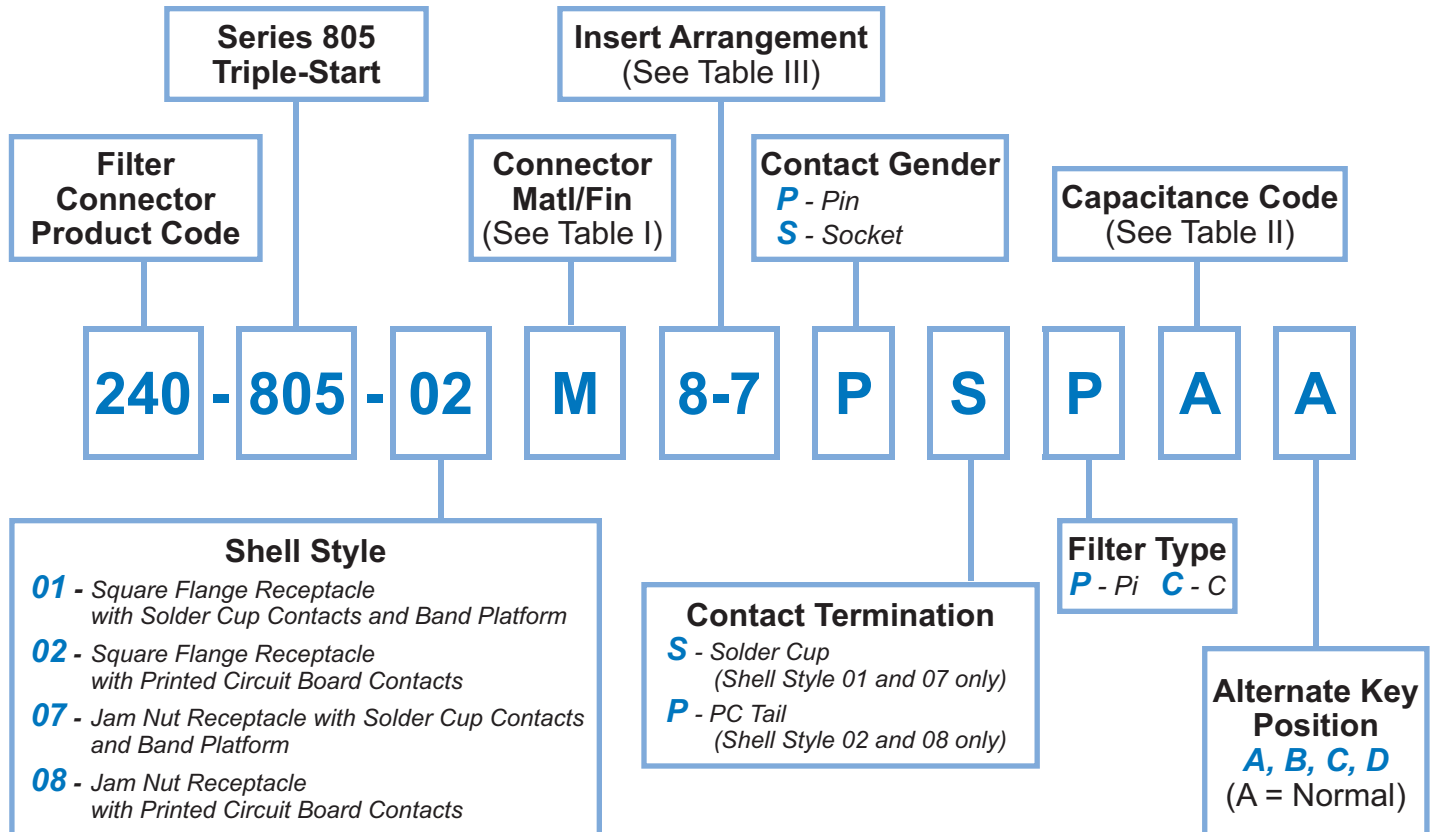


TABLE I: CONNECTOR MATL/FIN

SYM	MATERIAL	FINISH DESCRIPTION
M	Aluminum	Electroless Nickel
NF	Aluminum	Cadmium O.D. Over Electroless Nickel
ZL	Stainless Steel	Electro-Deposited Nickel
ZN	Aluminum	Zinc-Nickel Over Electroless Nickel

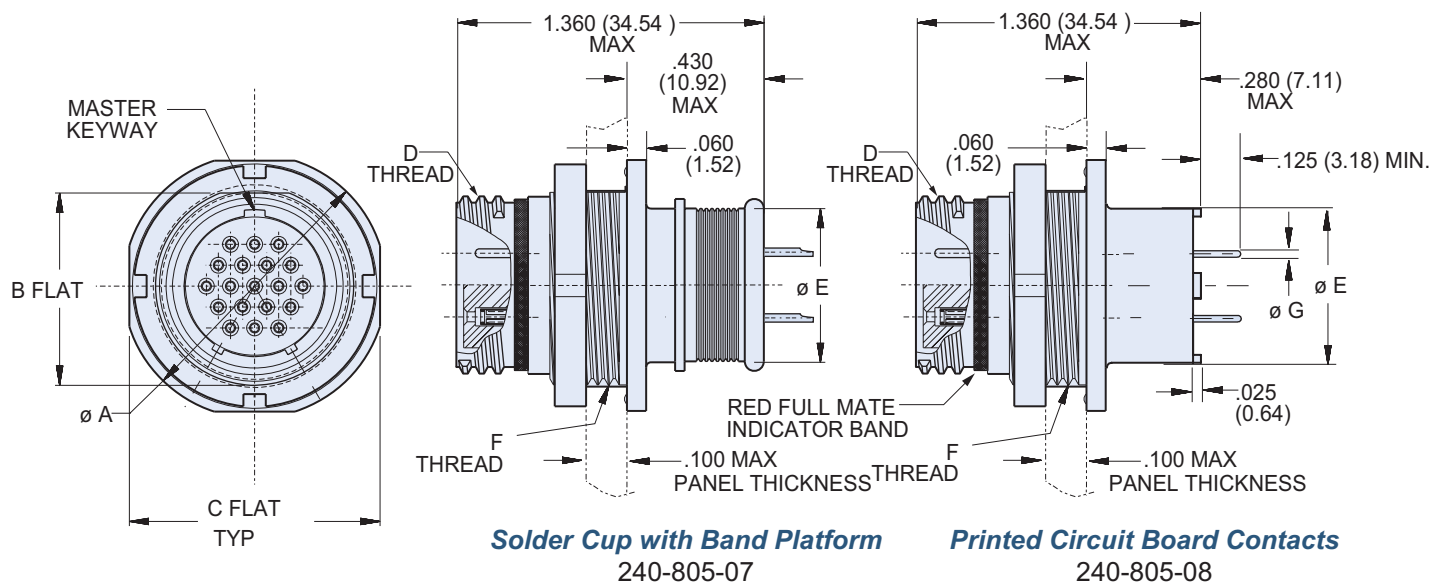
TABLE II: CAPACITANCE CODE

CODE	PI - SECTION (pF)	C - SECTION (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

TABLE III
INSERT ARRANGEMENTS

Arr. No.	Contact Size	Contact Qty.
8-4	23	4
8-7	23	7
9-10	23	10
10-13	23	13
11-19	23	19
12-26	23	26
15-37	23	37
18-55	23	55
18-85	23	85

240-805-07 and -08 Filter Jam Nut Receptacle



Solder Cup with Band Platform
240-805-07

Printed Circuit Board Contacts
240-805-08

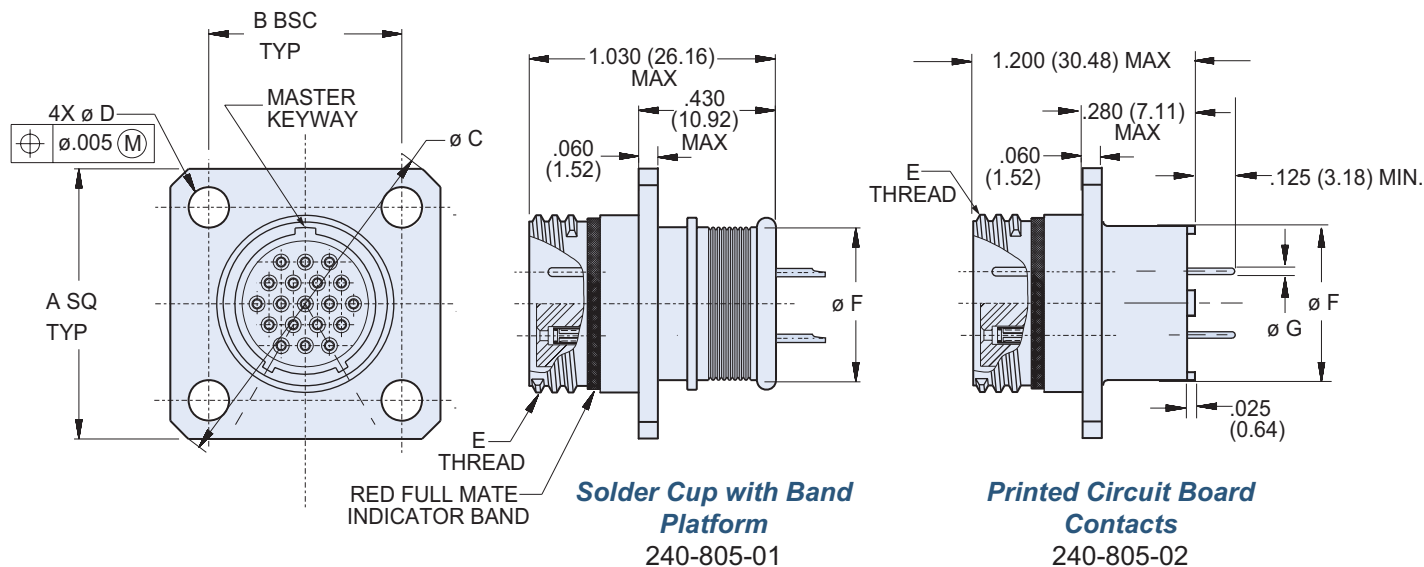
DIMENSIONS

Shell Size	Ø A		B		C		D Threads	Ø E		F Threads	Ø G Tail Dia.
	In.	mm.	In.	mm.	In.	mm.		In.	mm.		
8	.760	19.30	.535	13.59	.730	18.54	.5000-.1P-.3L-TS-2A	.413	10.49	.5625-28 UNEF-2A	#23 .018/.022 (0.46/0.56)
9	.880	22.35	.661	16.79	.850	21.59	.5625-.1P-.3L-TS-2A	.500	12.70	.6875-28 UN-2A	
10	.880	22.35	.661	16.79	.850	21.59	.6250-.1P-.3L-TS-2A	.530	13.46	.6875-28 UN-2A	
11	.955	24.26	.721	18.31	.925	23.50	.6875-.1P-.3L-TS-2A	.558	14.17	.7500-28 UN-2A	
12	1.060	26.92	.784	19.91	1.035	26.29	.7500-.1P-.3L-TS-2A	.655	16.51	.8125-28 UN-2A	
15	1.203	30.56	.970	24.64	1.173	29.79	.9375-.1P-.3L-TS-2A	.708	17.98	1.000-28 UN-2A	
18	1.389	35.28	1.147	29.13	1.359	34.52	1.1250-.1P-.3L-TS-2A	.871	22.12	1.187-28 UN-2A	
19	1.450	36.83	1.221	31.01	1.420	36.07	1.1870-.1P-.3L-TS-2A	.972	24.67	1.250-28 UN-2A	

PANEL CUTOUTS

Shell Size	A		Ø B	
	In. ± .002	mm. ± 0.05	In.	mm.
8	.545	13.84	.575/.571	14.61/14.50
9	.671	17.04	.700/.696	17.78/17.68
10	.671	17.04	.700/.696	17.78/17.68
11	.731	18.57	.762/.758	19.35/19.25
12	.794	20.17	.825/.821	20.96/20.85
15	.980	24.89	1.012/1.008	25.70/25.60
18	1.157	29.39	1.200/1.196	30.48/30.38
19	1.231	31.27	1.262/1.258	32.05/31.95

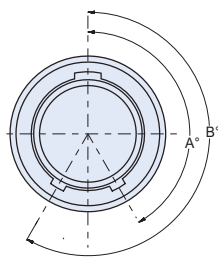
240-805-01 and -02 Filter Square Flange Receptacle



DIMENSIONS

Shell Size	A		B		ØC		ØD		E Threads	Ø F		Ø G Tail Dia.
	In.	mm.	In.	mm.	In.	mm.	In. ± .003	mm. ± .08		In.	mm.	
8	.850	21.59	.660	16.76	1.150	29.21	.094	2.39	.5000-.1P-.3L-TS-2A	.413	10.49	#23 .018/.022 (0.46/0.56)
9	.913	23.19	.723	18.36	1.230	31.24	.094	2.39	.5625-.1P-.3L-TS-2A	.500	12.70	
10	.975	24.77	.785	19.94	1.330	33.78	.094	2.39	.6250-.1P-.3L-TS-2A	.530	13.46	
11	1.039	26.39	.848	21.54	1.410	35.81	.094	2.39	.6875-.1P-.3L-TS-2A	.558	14.17	
12	1.099	27.91	.909	23.09	1.500	38.10	.094	2.39	.7500-.1P-.3L-TS-2A	.655	16.51	
15	1.288	32.74	1.058	26.87	1.750	44.45	.128	3.25	.9375-.1P-.3L-TS-2A	.708	17.98	
18	1.475	37.47	1.255	31.88	2.000	50.80	.128	3.25	1.1250-.1P-.3L-TS-2A	.871	22.12	
19	1.537	71.06	1.327	33.71	2.094	53.19	.128	3.25	1.1870-.1P-.3L-TS-2A	.972	24.67	

SERIES 805 KEY POSITIONS



Key Position	Key Rotation	
	A	B
Normal (A)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°