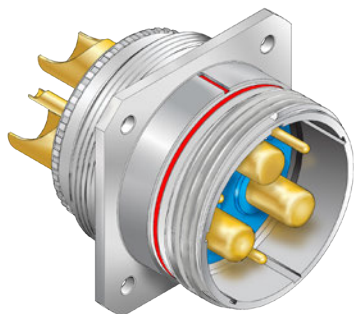


Series 970 PowerTrip™ Connectors

Filter Receptacles

240-970W Square Flange Receptacle

240-970W FILTER RECEPTACLE, SQUARE FLANGE



Series 970 PowerTrip™ filter receptacles feature planar array ceramic capacitors. Solder cup contacts are factory-installed, epoxy sealed and are non-removable. Socket contacts have copper alloy louverband spring for multiple points of electrical contact. Coupling threads are triple-start ACME type. Contacts are gold plated. Fluorosilicone rubber face seal on pin connector. Aluminum or stainless steel shell.

- Planar Array C Filter
- -55° C to +125° C
- 1,250 VDC DWV Rating
- Solder Cup Contacts

Insertion Loss			
Insertion Loss, dB minimum, 25°C			
Frequency	CX	CY	CZ
	80k-120k pF	40k-60k pF	30k-45k pF
1 MHz	22	16	13
10 MHz	41	36	33
100 MHz	56	53	52
500 -1000 MHz	60	57	57

HOW TO ORDER

SERIES	SHELL MATL AND FINISH	SHELL SIZE - INSERT ARRANGEMENT					CONTACT TYPE	FILTER TYPE & CAPACITANCE	MOUNTING HOLE	KEY POS.	
240-970W Filter Receptacle, Square Flange	ME Aluminum, Electroless Nickel Finish	Contact Arr.	Contact Size and Qty					PS Pin Contact, Solder Cup	CX C Filter 80,000-120,000 pF	N Thru-Hole	1 Position 1
		#16	#12	#8	#4	#1/0	2 Position 2				
	MT Aluminum, Nickel-PTFE Finish	18-2			2			SS Socket Contact, Solder Cup	CY C Filter 40,000-60,000 pF	T Clinch Nuts Installed in Mounting Holes for Back Panel Mounting.	3 Position 3
		18-4		2	2						4 Position 4
	NF Aluminum, Olive Drab Cadmium	20-3			3			CZ C Filter 30,000-45,500 pF			5 Position 5
		20-4			4						6 Position 6
	ZR Aluminum, Black Zinc-Nickel Finish	20-5		2	3						
		20-7	4		3						
	ZMT Stainless Steel, Nickel-PTFE Finish	24-2				2					
		24-3				3					
	Z1 Stainless Steel, Passivated	24-5			5						
		24-6		4		2					
		24-A6		3		3					
		28-4				4					
		28-9	5			4					
		32-2					2				
		32-3					3				
		32-4				2	2				
		32-5				5					
		32-6		3			3				
		36-4					4				
		40-5					5				
Sample Part Number											
240-970W	ME	40-5					PS	CY	N	1	

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

Series 970 PowerTrip™ Connectors

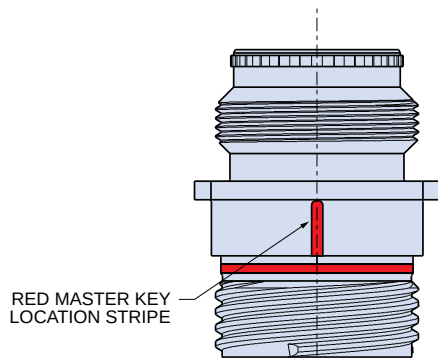
Filter Receptacles

240-970W Square Flange Receptacle

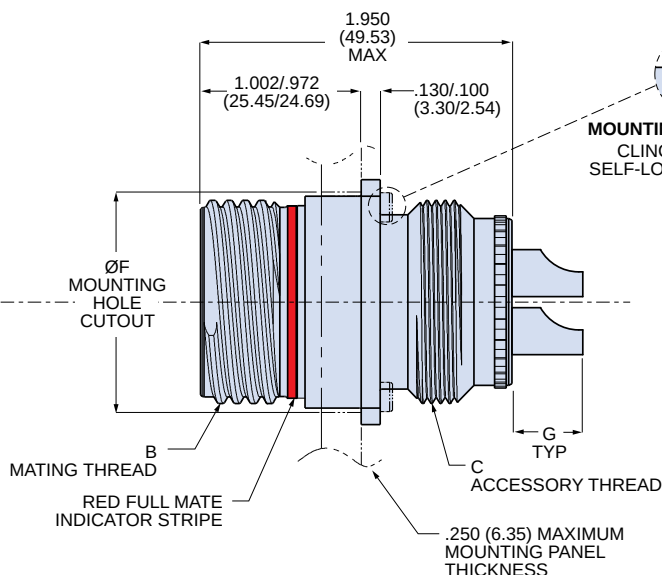
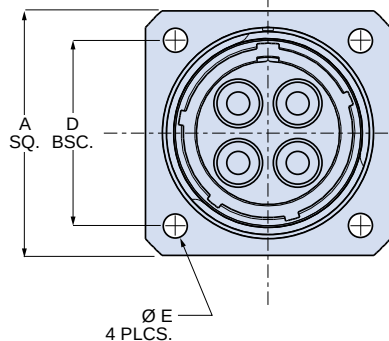


Series 970
PowerTrip™

240-970W FILTER RECEPTACLE, SQUARE FLANGE



RED MASTER KEY
LOCATION STRIPE

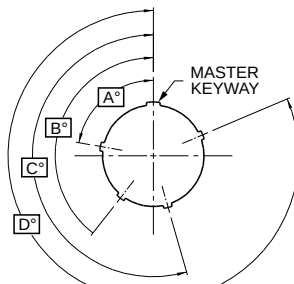


MOUNTING HOLE OPTION T
CLINCH NUT, 4 PLCS,
SELF-LOCKING, STAINLESS
STEEL

Contact Size	Solder Cup Dimensions	
	G Typ	
	In.	mm.
16	±.025	±0.64
12	.500	12.70
8	.600	15.24
4	.800	20.32
1/0	.800	20.32

Dimensions											
Shell Size	A Sq.		B Mating Thread	C Accessory Thd	D Bsc		ø E		E Clinch Nut Thd	ø F	
	In.	mm.			In.	mm.	In.	mm.		In.	mm.
18	1.383	35.13	1.125-1P-3L-TS-2A	1.125-18 UNEF-2A	1.015	25.78	.146	3.71	6-32 UNC-2B	1.187	30.15
20	1.508	38.30	1.250-1P-3L-TS-2A	1.250-18 UNEF-2A	1.140	28.96	.146	3.71	6-32 UNC-2B	1.374	34.90
24	1.718	43.64	1.500-1P-3L-TS-2A	1.4375-18 UNEF-2A	1.281	32.54	.146	3.71	6-32 UNC-2B	1.562	39.67
28	2.138	54.31	1.750-1P-3L-TS-2A	1.8125-16 UN-2A	1.568	39.83	.170	4.32	8-32 UNC-2B	1.874	47.60
32	2.328	59.13	2.000-1P-3L-TS-2A	2.0625-16 UNS-2A	1.734	44.04	.170	4.32	8-32 UNC-2B	2.062	52.37
36	2.578	65.48	2.250-1P-3L-TS-2A	2.250-16 UN-2A	1.984	50.39	.170	4.32	8-32 UNC-2B	2.302	58.47
40	2.828	71.83	2.500-1P-3L-TS-2A	2.500-16 UN-2A	2.234	56.74	.170	4.32	8-32 UNC-2B	2.562	65.07

Materials and Finishes	
Shells, Jam Nuts	Aluminum alloy or stainless steel
Contacts	High conductivity copper alloy, gold over nickel plating
Insulators	Thermoset epoxy
Interfacial Seal	Fluorosilicone
Clinch Nut	Stainless steel



Key Positions				
Position	A°	B°	C°	D°
1	80	142	196	293
2	135	170	200	310
3	49	169	200	244
4	66	140	200	257
5	62	145	180	280
6	79	153	197	272

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