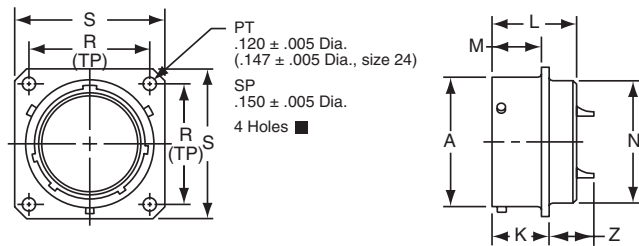


PT02 (MS3112) SP02

box mounting receptacle



- PT02A-XX-XXX
- SP02A-XX-XXX
- * PT02C-XX-XXX
- * SP02C-XX-XXX
- * PT02E-XX-XXX
- * SP02E-XX-XXX
- MS3112E-XX-XXX
- * PT02P-XX-XXX
- * SP02P-XX-XXX
- MS3112P-XX-XXX
- * PT02W-XX-XXX
- * SP02W-XX-XXX

To complete part number see how to order on page 18.

■ (MMC) located within .0025 of (TP)

* The PT02 and SP02 box mounting receptacles are made only to complete a series; no provision is made for accessories or potting on the rear skirt.

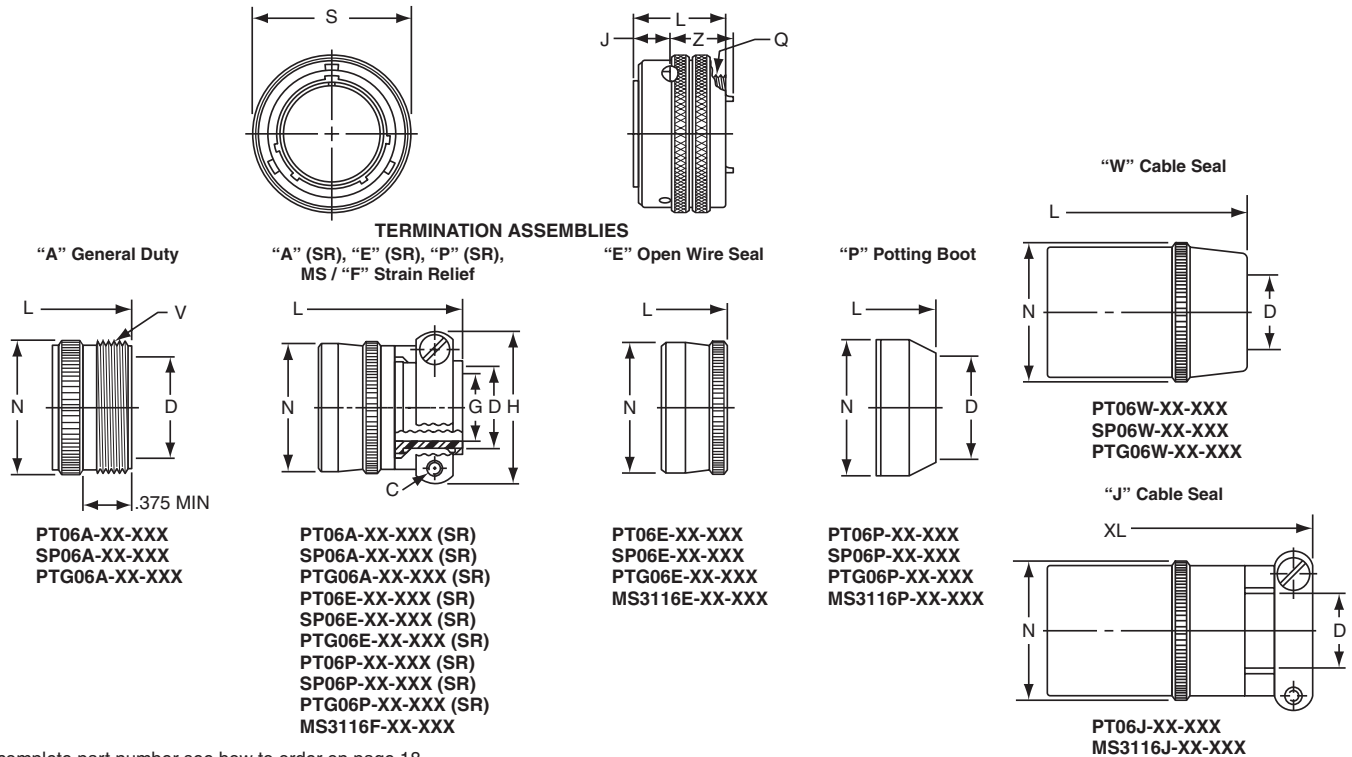
Shell Size	Receptacle Front View				Receptacle Side View								
	R (TP)		S		A +.001 -.005	K +.020 -.010		L Max.	M +.010 -.000		N Dia. Max.	Z Max.	
						PT	SP		PT	SP		PT	SP
	PT	SP	PT	SP		PT	SP		PT	SP		PT	SP
6	.469	.641	.688	.953	.348	.493	.524	.825	.431	.462	.323	.465	.438
8	.594	.734	.812	1.047	.473	.493	.524	.825	.431	.462	.449	.465	.438
10	.719	.812	.938	1.125	.590	.493	.524	.825	.431	.462	.573	.465	.438
12	.812	.938	1.031	1.250	.750	.493	.524	.825	.431	.462	.699	.465	.438
14	.906	1.031	1.125	1.344	.875	.493	.524	.825	.431	.462	.823	.465	.438
16	.969	1.125	1.219	1.438	1.000	.493	.524	.825	.431	.462	.949	.465	.438
18	1.062	1.203	1.312	1.516	1.125	.493	.524	.825	.431	.462	1.073	.465	.438
20	1.156	1.297	1.438	1.672	1.250	.650	.650	1.076	.556	.556	1.199	.526	.531
22	1.250	1.375	1.562	1.750	1.375	.650	.650	1.076	.556	.556	1.323	.526	.531
24	1.375	1.500	1.688	1.875	1.500	.683	.683	1.109	.589	.589	1.449	.493	.497

All dimensions for reference only.

PT06 (MS3116)

SP06

straight plug



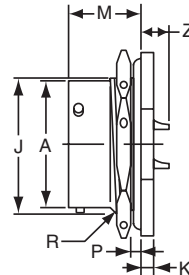
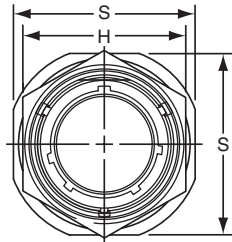
To complete part number see how to order on page 18.

Shell Size	Plug Front View	Plug Side View				Class "A"			
	S Max.	J	L Max.	Q Thread Class 2A	Z Max.	D Min.	L Max.	N Max.	V Thread Class A
6	.625	.353	.906	.3125-32 NEF	.594	.175	1.609	.462	.3750-32 NEF
8	.750	.353	.906	.4375-28 UNEF	.594	.297	1.609	.590	.5000-28 UNEF
10	.859	.353	.906	.5625-24 NEF	.594	.421	1.609	.717	.6250-24 NEF
12	1.013	.353	.906	.6875-24 NEF	.594	.546	1.609	.834	.7500-20 UNEF
14	1.156	.353	.906	.8125-20 UNEF	.594	.663	1.609	.970	.8750-20 UNEF
16	1.281	.353	.906	.9375-20 UNEF	.594	.787	1.609	1.088	1.0000-20 UNEF
18	1.319	.353	.906	1.0625-18 NEF	.594	.879	1.609	1.216	1.1875-18 NEF
20	1.531	.415	1.062	1.1875-18 NEF	.672	1.014	1.656	1.332	1.1875-18 NEF
22	1.656	.415	1.062	1.3125-18 NEF	.672	1.135	1.656	1.460	1.4375-18 NEF
24*	1.776	.415	1.125	1.4375-18 NEF	.672	1.259	1.750	1.587	1.4375-18 NEF

Shell Size	Class “A” (SR), “E” (SR), “P” (SR), MS / “F”						Class “E”, MS / “E”		Class “P”, MS / “P”			Class “W”, “J”					
	C Thread	D Min.	G ±.010	H Max.	L Max.	N Max.	L Max.	N Max.	D Min.	L Max.	N Max.	D		L Max.	N Max.	XL Max.	
												Closed	Free				
6	—	—	—	—	—	—	1.266	.440	.192	1.526	.484	—	—	—	—	—	
8	6-32	.240	.125	.812	1.906	.550	1.266	.560	.317	1.526	.608	.168	.230	1.705	.547	2.271	
10	6-32	.302	.188	.875	1.906	.675	1.266	.685	.434	1.526	.734	.205	.312	1.705	.675	2.271	
12	6-32	.428	.312	1.000	1.906	.803	1.266	.813	.548	1.526	.858	.338	.442	1.848	.812	2.411	
14	6-32	.552	.375	1.125	1.906	.920	1.266	.930	.673	1.526	.984	.416	.539	2.040	.940	2.599	
16	6-32	.615	.500	1.188	2.047	1.047	1.266	1.057	.798	1.526	1.110	.550	.616	2.256	1.067	2.943	
18	8-32	.740	.625	1.438	2.078	1.165	1.266	1.175	.899	1.526	1.234	.600	.672	2.486	1.194	3.172	
20	8-32	.740	.625	1.438	2.250	1.290	1.438	1.301	1.024	1.546	1.360	.635	.747	2.844	1.322	3.610	
22	8-32	.928	.750	1.625	2.250	1.418	1.438	1.430	1.149	1.546	1.484	.670	.846	3.000	1.449	3.766	
24*	8-32	.990	.800	1.750	2.312	1.543	1.500	1.555	1.274	1.656	1.610	.740	.894	3.210	1.576	3.985	

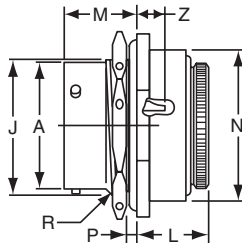
* Available in PT06 only
All dimensions for reference only.

PT07 (MS3114) SP07 jam nut receptacle



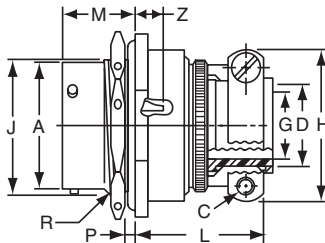
"A" General Duty/
"C" Pressurized Receptacle
PT07A-XX-XXX
PT07C-XX-XXX

"E" Open Wire Seal



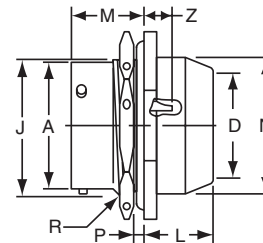
PT07E-XX-XXX
SP07E-XX-XXX
MS3114E-XX-XXX

TERMINATION ASSEMBLIES
"A" (SR), "E" (SR), "P" (SR), MS / "F" Strain Relief



PT07A-XX-XXX (SR)
SP07A-XX-XXX (SR)
PT07E-XX-XXX (SR)
MS3114F-XX-XXX

"P" Potting Boot



PT07P-XX-XXX
MS3114P-XX-XXX

To complete part number see how to order on page 18.

Shell Size	Recept. Front View		Receptacle Side View								Class "E", MS / "E"			
	H ±.016	S	A Dia. +.001 -.005	J Flat +.000 -.010	K +.011 -.010	M	P Panel Thickness		R Thread Class 2A UNEF	Z	L Max.	M	N Max.	Z ±.040
							Min.	Max.						
6	.625	.812	.348	.405	.125	.696	.062	.125	.4375-28	.231	.568	.696	.604	.191
8	.750	.938	.473	.530	.125	.696	.062	.125	.5625-24	.231	.568	.696	.729	.191
10	.875	1.062	.590	.655	.125	.696	.062	.125	.6875-24	.231	.568	.696	.854	.191
12	1.062	1.250	.750	.818	.125	.696	.062	.125	.8750-20	.231	.568	.696	.979	.191
14	1.188	1.375	.875	.942	.125	.696	.062	.125	1.0000-20	.231	.568	.696	1.104	.191
16	1.312	1.500	1.000	1.066	.125	.696	.062	.125	1.1250-18	.231	.568	.696	1.229	.191
18	1.438	1.625	1.125	1.191	.125	.696	.062	.125	1.2500-18	.231	.568	.696	1.354	.191
20	1.562	1.812	1.250	1.316	.156	.884	.062	.250	1.3750-18	.261	.630	.884	1.510	.221
22	1.688	1.938	1.375	1.441	.156	.884	.062	.250	1.5000-18	.261	.630	.884	1.635	.221
24	1.816	2.062	1.500	1.566	.156	.917	.062	.250	1.6250-18	.228	.660	.917	1.760	.188

Shell Size	Class “A” (SR), “P” (SR), MS / “F”						Class “E” (SR)						Class “P”, MS / “P”					
	C Thread	D Max.	G	H	L	M	C Thread	D Max.	G	H	L	M	D Max.	L +.010 -.026	M	N	Z	
6	—	—	—	—	—	—	—	—	—	—	—	—	.202	.593	.696	.484	.191	
8	6-32	.250	.125	.781	1.062	.696	6-32	.250	.125	.775	1.029	.696	.327	.593	.696	.608	.191	
10	6-32	.312	.188	.844	1.062	.696	6-32	.312	.188	.837	1.029	.696	.444	.593	.696	.734	.191	
12	6-32	.438	.312	.969	1.062	.696	6-32	.438	.312	.963	1.029	.696	.558	.593	.696	.858	.191	
14	6-32	.562	.375	1.094	1.062	.696	6-32	.562	.375	1.087	1.029	.696	.683	.593	.696	.984	.191	
16	6-32	.625	.500	1.156	1.188	.696	6-32	.625	.500	1.150	1.161	.696	.808	.593	.696	1.110	.191	
18	8-32	.750	.625	1.406	1.188	.696	8-32	.750	.625	1.400	1.161	.696	.909	.593	.696	1.234	.191	
20	8-32	.750	.625	1.406	1.250	.884	8-32	.750	.625	1.400	1.224	.884	1.034	.718	.884	1.360	.221	
22	8-32	.938	.750	1.594	1.250	.884	8-32	.938	.750	1.587	1.224	.884	1.159	.718	.884	1.484	.221	
24*	8-32	1.000	.800	1.594	1.250	.917	8-32	1.000	.800	1.681	1.320	.917	1.284	.718	.917	1.610	.188	

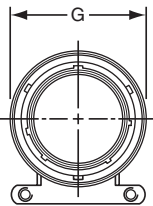
* Size 24 strain relief available in PT only.

All dimensions for reference only.

PT08 E

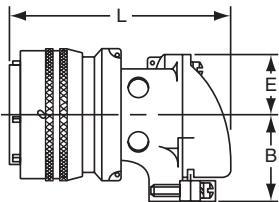
SP08 E

90 degree plug

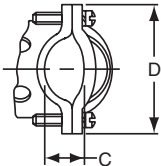


TERMINATION ASSEMBLIES

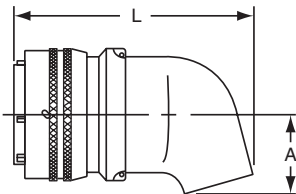
“E” Open Wire Seal, “E” (SR) Strain Relief



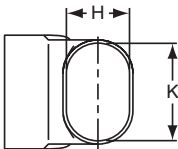
PT08E-XX-XXX
SP08E-XX-XXX
PT08E-XX-XXX (SR)
SP08E-XX-XXX (SR)



“P” Potting Boot 75 degrees



PT08P-XX-XXX
SP08P-XX-XXX



To complete part number see how to order on page 18.
All lockwire holes are .044 Dia. Min.

Shell Size	Plug Front View G Dia. Max.	Plug Side View								
		Class “E”, “E” (SR)					Class “P”			
		B ±.031	C +.010 −.025	D ±.062	E +.047 −.025	L ±.057	A ±.025	H ±.015	K ±.015	L Max.
8	.796	.655	.169	.941	.339	1.786	.469	.312	.438	1.656
10	.921	.749	.170	1.191	.393	1.880	.547	.438	.562	1.781
12	1.046	.812	.264	1.191	.450	1.965	.625	.516	.688	1.843
14	1.171	.905	.310	1.254	.519	2.113	.734	.625	.781	1.953
16	1.297	1.030	.330	1.316	.583	2.315	.750	.656	.890	2.000
18	1.422	1.015	.444	1.562	.621	2.423	.781	.703	1.000	2.046
20	1.562	1.077	.510	1.625	.683	2.695	.859	.766	1.125	2.218
22	1.672	1.139	.515	1.719	.739	2.742	.906	.812	1.234	2.265
24	1.797	1.265	.656	1.751	.797	2.980	1.169	.918	1.374	2.624

All dimensions for reference only.

Mouser Electronics

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