

507-297
Side Entry EMI/RFI Lightweight Metal Backshell
MIL-DTL-83513



EMI/RFI Lightweight Metal Shell Connectors provide rugged aluminum housing with stainless steel hardware, available in standard nickel plating, or choose optional finishes. Terminate cable shields with BandMaster™ ATS micro bands. This backshell features floating male screwlocks which allow full mating of the connector before the screws are fastened.

How To Order EMI/RFI Lightweight Backshells																																						
Sample Part Number		507E297	M	25	D	H	L																															
Series	507E297 - End Entry Style (45)																																					
Finish Code	A - Cadmium Plate/Bright Dip B - Cadmium Plate/Olive Drab B1 - Cadmium Plate/Olive Drab Type II Class 1 J - Gold Iridite Over Cadmium Plate Over Nickel M - Electroless Nickel N - Cadmium Plate/Olive Drab Over Nickel NF - Cad/O.D. Over Electroless Nickel (1000 Hour Salt Spray) T - Cadmium Plate/Bright Dip Over Nickel Z2 - Gold Plate																																					
Shell Size	09, 15, 21, 25, 31, 37, 51, 51-2, 67, 69, 75, 100 (See Table I)																																					
Max Entry Code	<table><tr><td>Max Entry Code</td><td>H Ø</td><td>Available Sizes</td></tr><tr><td>A</td><td>.188</td><td>09 Thru 100</td></tr><tr><td>B</td><td>.230</td><td>15 Thru 100</td></tr><tr><td>C</td><td>.265</td><td>21 Thru 100</td></tr><tr><td>D</td><td>.335</td><td>25 Thru 100</td></tr><tr><td>E</td><td>.360</td><td>31 Thru 100</td></tr><tr><td>F</td><td>.410</td><td>37 Thru 100</td></tr><tr><td>G</td><td>.520</td><td>51 Thru 100</td></tr><tr><td>H</td><td>.585</td><td>51-2 Thru 100</td></tr><tr><td>J</td><td>.665</td><td>67 Thru 100</td></tr><tr><td>K</td><td>.720</td><td>67 and 100</td></tr><tr><td>L</td><td>.760</td><td>67</td></tr></table>							Max Entry Code	H Ø	Available Sizes	A	.188	09 Thru 100	B	.230	15 Thru 100	C	.265	21 Thru 100	D	.335	25 Thru 100	E	.360	31 Thru 100	F	.410	37 Thru 100	G	.520	51 Thru 100	H	.585	51-2 Thru 100	J	.665	67 Thru 100	K
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L	.760	67																																				
Hardware Option	B - Fillister Head Jackscrew		H - Socket Head Jackscrew		F - Female Jackpost																																	
EMI Band Strap Option	Omit (Blank) - No Band		M - Uncoiled .125" Wide Band		L - Coiled .125" Wide Band																																	

M

Notes

1. Assembly Identified With Manufacturer's
2. Name and P/N, Space Permitting.

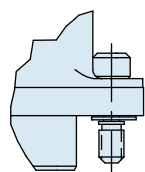
Material/Finish

- Backshell - al alloy / see Table 2
- Hardware - cres / passivated.
- See 507-296 for straight & 90° configurations.

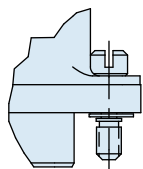


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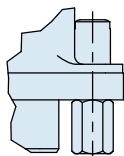
Table I: Dimensions



Code H
Socket Head
Jackscrew

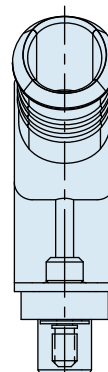
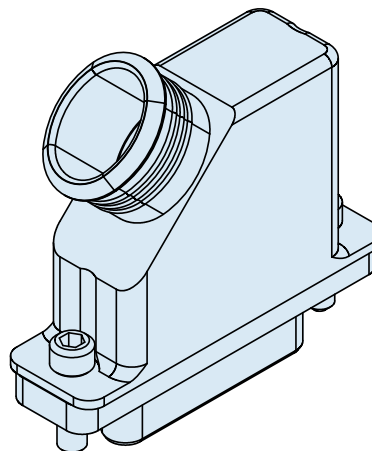
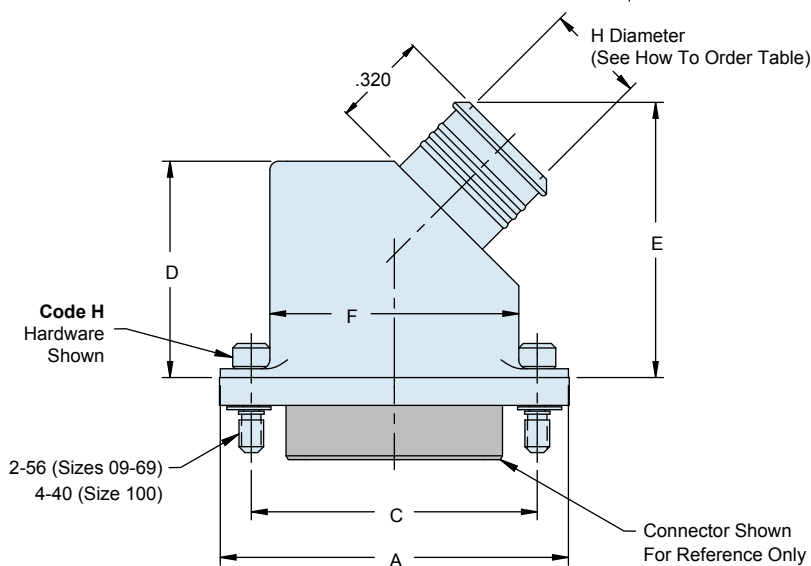
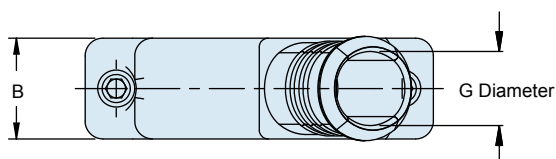


Code B
Fillister Head Jackscrew



Code F
Female Jackpost

Hardware Mounting Options



Size	A		B		C		D		E		F		G				Max Entry
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
09	0.775	19.69	0.340	8.64	0.565	14.35	0.500	12.70	0.700	17.78	0.440	11.18	-	-	.188	4.78	A
15	0.925	23.50	0.370	9.40	0.715	18.16	0.560	14.22	0.760	19.30	0.590	14.99	-	-	.230	5.84	B
21	1.075	27.31	0.340	8.64	0.865	21.97	0.660	16.76	0.860	21.84	0.740	18.80	0.250	6.35	.265	6.73	C
25	1.175	29.85	0.340	8.64	0.965	24.51	0.730	18.54	0.930	23.62	0.840	21.34	0.250	6.35	.335	8.51	D
31	1.325	33.66	0.340	8.64	1.115	28.32	0.810	20.57	1.010	25.65	0.990	25.15	0.250	6.35	.360	9.14	E
37	1.475	37.47	0.340	8.64	1.265	32.13	0.890	22.61	1.090	27.69	1.140	28.96	0.250	6.35	.410	10.41	F
51	1.425	36.20	0.380	9.65	1.215	30.86	0.900	22.86	1.100	27.94	1.090	27.69	0.290	7.37	.520	13.21	G
51-2	1.825	46.36	0.340	8.64	1.615	41.02	1.030	26.16	1.230	31.24	1.490	37.85	0.250	6.35	.585	14.86	H
67	2.225	56.52	0.340	8.64	2.015	51.18	1.030	26.16	1.230	31.24	1.890	48.01	0.250	6.35	.665	16.89	J
69	1.725	43.82	0.380	9.65	1.515	38.48	1.050	26.67	1.250	31.75	1.390	35.31	0.290	7.37	.720	18.29	K
100	2.160	54.86	0.430	10.92	1.800	45.72	1.100	27.94	1.300	33.02	1.522	38.66	0.340	8.64	.760	19.30	L