Lightweight EMI/RFI Elliptical Backshell

Solid shell, elliptical, top and side cable entry · 507-296

EMI/RFI Elliptical Lightweight Metal Shell Backshells provides added room for larger wire bundles. Terminate cable shields with Band-Master ATS® Micro Bands.

Rugged Aluminum housing with stainless steel hardware, available in standard nickel plating, or choose optional finishes.

How To Order EMI/RFI Metal Shell Backshells

Sample Part Number	507T296	M	25	D	H	L

Series	**507T296** - Top Entry (Straight) **507S296** - Side Entry (90°)
Finish Symbol	**M** – Electroless Nickel **Z2** – Gold
Shell Size	**09**, **15**, **21**, **25**, **31**, **37**, **51**, **51-2**, **67**, **69**, **75**, **100** (See Table I)
Entry Code	**Code** / **G** / **Available Sizes** **A** 0.320 09 Thru 100 **B** 0.470 15 Thru 100 **C** 0.620 21 Thru 100 **D** 0.720 25 Thru 100 **E** 0.870 31 Thru 100 **F** 0.970 37 Thru 100 **G** 1.020 37 & 51-2 Thru 100 **H** 1.270 51-2 Thru 100 **J** 1.360 51-2, 67 & 100 **K** 1.770 67
Hardware Option	**B** - Fillister Head Jackscrew **H** - Socket Head Jackscrew **E** - Extended Jackscrew **F** - Female Jackpost
EMI Band Strap Option	**Omit (Blank)** - No Band **M** - Uncoiled .125" Wide Band **L** - Coiled .125" Wide Band

NOTES

1. See 507-297 for 45° configuration
2. Symbol 'E' extended hardware is not to be used with straight backshell at max cable entry size.

MATERIAL/FINISH

- Backshell - al alloy/see Table 2
- Hardware-cres/pasivated

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

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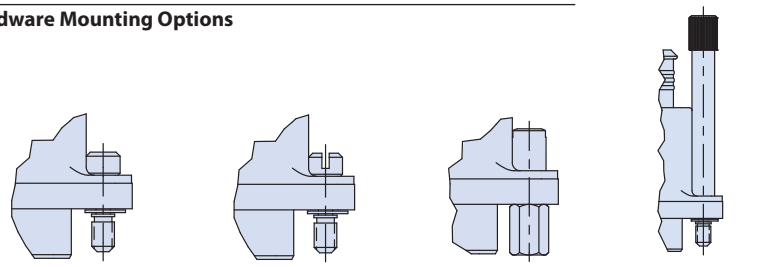
SPACE GRADE NASA ESA, JAXA SCREENED

Hardware Mounting Options



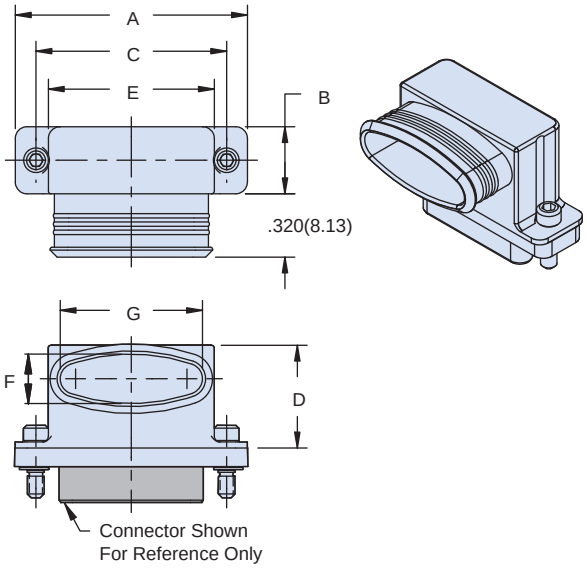
Code H
Socket Head Jackscrew

Code B
Fillister Head Jackscrew

Code F
Female Jackpost

Code E
Extended Jackscrew
(See Note 2)

Style S
Side Entry (90°)



Style T
Top Entry (Straight)

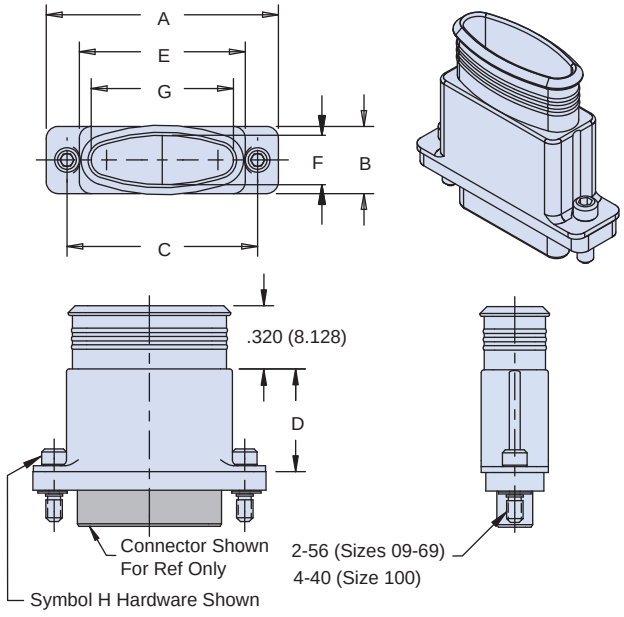


Table I: Dimensions

Size	A		B		C		D		E		F		Max Entry
	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	0.520	13.21	0.440	11.18	0.250	6.35	A
15	0.925	23.50	0.340	8.64	0.715	18.16	0.520	13.21	0.590	14.99	0.250	6.35	B
21	1.075	27.31	0.340	8.64	0.865	21.97	0.520	13.21	0.740	18.80	0.250	6.35	C
25	1.175	29.85	0.340	8.64	0.965	24.51	0.520	13.21	0.840	21.34	0.250	6.35	D
31	1.325	33.66	0.340	8.64	1.115	28.32	0.520	13.21	0.990	25.15	0.250	6.35	E
37	1.475	37.47	0.340	8.64	1.265	32.13	0.520	13.21	1.140	28.96	0.250	6.35	G
51	1.425	36.20	0.380	9.65	1.215	30.86	0.610	15.49	1.090	27.69	0.290	7.37	F
51-2	1.825	46.36	0.340	8.64	1.615	41.02	0.520	13.21	1.490	37.85	0.250	6.35	J
67	2.225	56.52	0.340	8.64	2.015	51.18	0.520	13.21	1.890	48.01	0.250	6.35	K
69	1.725	43.82	0.380	9.65	1.515	38.48	0.610	15.49	1.390	35.31	0.290	7.37	H
75	2.070	52.58	0.380	9.65	1.705	43.30	0.520	13.20	1.490	37.85	0.290	7.37	J
100	2.160	54.86	0.430	10.92	1.800	45.72	0.630	16.00	1.522	38.66	0.340	8.64	J

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