EMI/RFI Split-Shell Elliptical Backshell

Split shell, elliptical, top cable entry · 507-178

Split Backshell With Elliptical Cable Entry provides added room for larger wire bundles. Terminate cable shields with Band-Master ATS® Micro Bands. This backshell features floating male screwlocks which allow full mating of the connector before the screws are fastened.

Rugged Aluminum housing with stainless steel hardware, available in electroless nickel or gold plating

How To Order EMI/RFI Split Shell Backshells							
Sample Part Number	**507-178**	**M**	**25**	**06**	**K**	**F**	**T**
Series	**507-178**						
Shell Finish	**M** – Electroless Nickel **Z2** – Gold						
Connector Size	**09**, **15**, **21**, **25**, **31**, **37**, **51**, **51-2**, **67**, **69**, **75**, **100**, **130** (See Table I)						
Cable Entry Code	**04**, **05**, **06**, **07**, **08**, **09**, **10**, **11**, **12**, **13**, **14**, **15**, **16** (See Table II)						
EMI Band Strap Option	**B** - Micro Band Supplied **K** - Coiled Micro Band Supplied **Omit** (Leave Blank) - Band Strap Not Supplied						
Hardware Option	**Screwlocks** **H** - (2) Hex Head Screwlock **E** - (2) Extended Screwlock (styles T and S only) **F** - (2) Jackpost, Female **FF** - Fixed Female Jackpost **FE** - Extended Female Jackpost **Jackscrews** **J** - (2) Fillister Head Jackscrew **HJ** - Hex Socket Jackscrew **EJ** - Extended Jackscrew (styles T and S only) **Omit** for standard knurl head Screwlock						
Qwik-Ty Option	**T** = with Qwik-Ty strain relief **Omit** for none						

NOTES

Screwlocks: screws float to allow connector to engage completely before tightening.
Jackscrews: screws must be tightened simultaneous with connector engagement

MATERIALS/FINISH

Backshell: Aluminum alloy
Hardware: CRES / passivated

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

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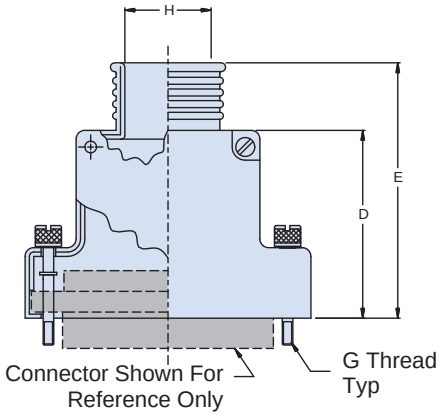
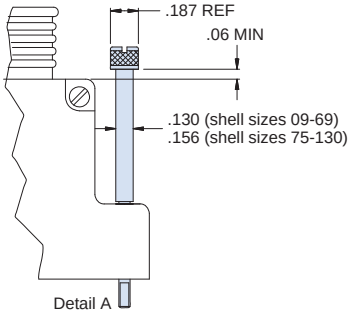




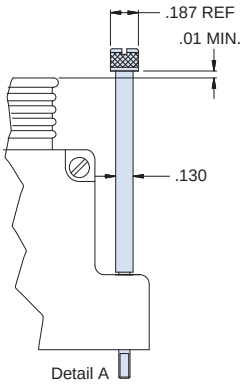
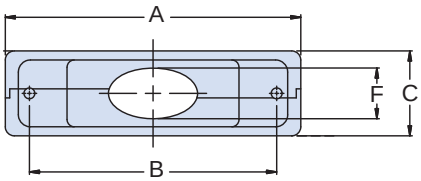
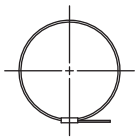
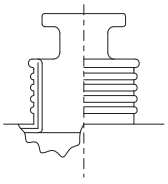


Table II: Cable Entry Code			
Code	H		Available on Shell Size
	In. ± .010	mm. ±0.25	
04	.250	6.35	09, 15, 21
05	.312	7.92	15 Thru 31
06	.375	9.53	21 Thru 51
07	.437	11.10	25 Thru 51
08	.500	12.70	25 Thru 51
09	.562	14.27	31 Thru 100
10	.625	15.88	31 Thru 100
11	.688	17.48	37 Thru 100
12	.750	19.05	37 Thru 100
13	.812	20.62	37,51-2,67,69,100
14	.875	22.23	51-2, 67, 69, 100
15	.938	23.83	51-2, 67, 69, 100
16	1.000	25.40	51-2, 67, 69, 100

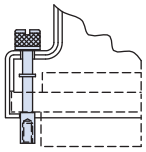




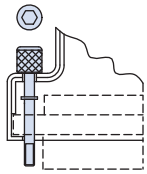
Code K
EMI Band Strap
See Note 2



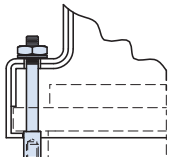
Code T
Qwik-Ty Strain Relief



Code F
Female Jackpost



Code H
Hex Socket Head Screwlock



Code FF
Fixed Female Jackpost

Table I: Dimensions														
Size	A Max.		B		C Max.		D		E		F		G Thread	Available Entry Code Table II
	In.	mm.	In.	mm.	In.	mm.	In. ± .010	mm. ±0.25	In. ± .020	mm. ±.022	In. ± .005	mm. ± .127		
09	.915	23.24	.565	14.35	.450	11.43	.701	17.81	1.013	25.73	.160	4.06	2-56 UNC-2A	04
15	1.065	27.05	.715	18.16	.450	11.43	.763	19.38	1.076	27.33	.190	4.83	2-56 UNC-2A	04-05
21	1.215	30.86	.865	21.97	.450	11.43	.795	20.19	1.107	28.12	.220	5.59	2-56 UNC-2A	04-06
25	1.315	33.40	.965	24.51	.450	11.43	.857	21.77	1.170	29.72	.260	6.60	2-56 UNC-2A	05-08
31	1.465	37.21	1.115	28.32	.450	11.43	.888	22.56	1.201	30.51	.275	6.99	2-56 UNC-2A	05-10
37	1.615	41.02	1.265	32.13	.450	11.43	.951	24.16	1.263	32.08	.285	7.24	2-56 UNC-2A	06-13
51	1.565	39.75	1.215	30.86	.495	12.57	1.013	25.73	1.326	33.68	.350	8.89	2-56 UNC-2A	06-12
51-2	1.965	49.91	1.615	41.02	.450	11.43	1.013	25.73	1.326	33.68	.350	8.89	2-56 UNC-2A	09-16
67	2.365	60.07	2.015	51.18	.450	11.43	1.013	25.73	1.326	33.68	.350	8.89	2-56 UNC-2A	09-16
69	1.865	47.37	1.515	38.48	.495	12.57	1.013	25.73	1.326	33.68	.350	8.89	2-56 UNC-2A	09-16
75	2.210	56.13	1.705	43.31	.495	12.57	1.013	25.73	1.326	33.68	.350	8.89	4-40 UNC-2A	09-16
100	2.305	58.55	1.800	45.72	.540	13.72	1.076	27.33	1.388	35.26	.490	12.45	4-40 UNC-2A	09-16
130	2.665	67.69	2.160	54.86	.540	13.72	1.076	27.33	1.388	35.26	.490	12.45	4-40 UNC-2A	09-16

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