

# 507-178 EMI/RFI Elliptical Split Shell Banding Backshell



**Split Backshell With Elliptical Cable Entry** provides added room for larger wire bundles. Terminate cable shields with BandMaster™ ATS microbands. 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 standard nickel plating, or choose optional finishes.

How To Order EMI/RFI Split Shell Backshells						
<b>Sample Part Number</b>	507-178 M 25 06 K F					
<b>Series</b>	507-178					
<b>Shell Finish</b>	E – Chem Film (Alodyne) M – Electroless Nickel Z2 – Gold		J – Cadmium, Yellow Chromate NF – Cadmium, Olive Drab			
<b>Connector Size</b>	09, 15, 21, 25, 31, 37, 51, 51-2, 67, 69, 100 (See Table I)					
<b>Cable Entry Code</b>	04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16 (See Table II)					
<b>EMI Band Strap Option</b>	OMIT (Leave Blank) - Band Strap Not Supplied B - Microband Supplied (600-057) K - Coiled Microband Supplied (600-057-1)					
<b>Hardware Option</b>	B - Fillister Head Screwlock HJ - Hex Head Jackscrew F - Jackpost, Female		BJ - Fillister Head Jackscrew E - Extended Screwlock (See Table I)		H - Hex Head Screwlock EJ - Extended Jackscrew	

### Notes

1. Assembly Identified with manufacturer's name and P/N space permitting.
2. Use Glenair 600-057 ban and 600-01 tool.
3. Screwlocks: screws float to allow connector to engage completely before tightening. Jackscrews: screws must be tightened simultaneous with connector engagement
4. Shell size 09 may be supplied with optional configuration J dimension of 1.140 max.

### Materials/Finish

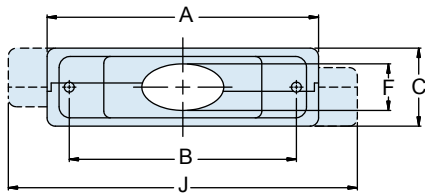
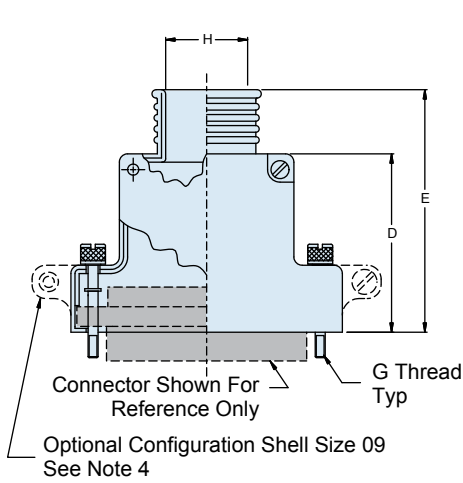
- Shell: Aluminum Alloy
- Jackscrews, Washers, Jackposts: 300 Series Stainless Steel, Passivated
- See Ordering Info For Finish Options



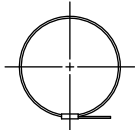


# 507-178 EMI/RFI Elliptical Split Shell Banding Backshell

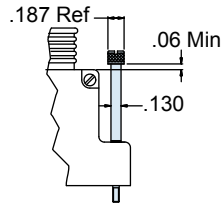
Table I: Dimensions



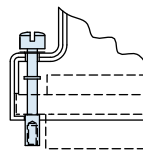
See Note 4



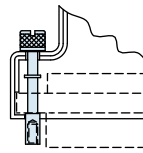
**Code K**  
EMI Band Strap  
See Note 2



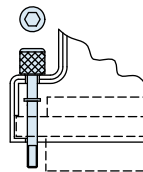
**Code E & EJ**  
EJ - Extended Jackscrew  
E - Extended Screwlock



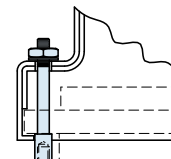
**Code B**  
Filister Head Jackscrew



**Code F**  
Female Jackpost



**Code H**  
Hex Socket Head Jackscrew



**Code FF**  
Fixed Female Jackpost

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

Size	A Max.		B		C Max.		D		E		F		G Thread	Available Dash No. Table III
	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	13-16
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	13-16
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	13-16
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



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Glenair:

[507-178M2507E](#) [507-178M5108B](#) [507-178M0904BE](#) [507-178NF0904E](#) [507-178NF1505E](#) [507-178M2507BH](#) [507-178M3708BH](#) [507-178M5108E](#) [507-178M3713BJ](#) [507-178M1505E](#) [507-178M0904H](#) [507-178M2506BH](#) [507-178M10016KH](#) [507-178M0904BH](#) [507-178M1505BE](#) [507-178M2507H](#) [507-178M2505B](#) [507-178M0904B](#) [507-178M1505B](#) [507-178M3710BH](#) [507-178M6916KE](#)