Series 37 Environmental Backshells

for Series 80 Mighty Mouse Connectors

370MS037 Backshell, Environmental, Direct Coupling

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

Environmental. Low profile. Direct coupling. 370MS037 backshell fits Glenair Series 80 Mighty Mouse connectors. Environmentally sealed with O-rings. For use with unshielded cable. Strain relief styles include full radius saddle clamp or low profile nut. Saddle clamp has stainless steel screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings.

PART NUMBER

	370MS037	M	05	02	-6

Base P/N — 370MS037 Straight

Material/Finish

C	Alum/Black Anodize
M	Alum/Electroless Nickel
MT	Alum/Nickel-PTFE
NF	Alum/Olive Drab Cadmium
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated

Shell Size Code *(See Table 1)*: 05 06 07 08 09 10 11 12 13 14 16 17

Entry Size *(See Table 2)*: 01 02 03 04 05 06 07 08 09 10 11 12 13

Length

Length Code	Length	Length Code	Length
5	.63 (16.0)	10	1.25 (31.8)
6	.75 (19.1)	12	1.50 (38.1)
8	1.00 (25.4)	16	2.00 (50.8)

Length in 1/8 inch increments.

Strain Relief

Omit for saddle clamp

N Nut

APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully bottomed onto the frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp. See E dimension in Table 2 for the diameter of the fully bottomed saddles.

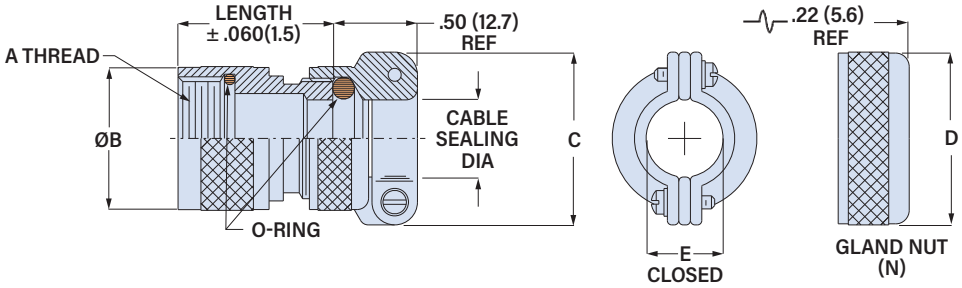

TABLE 1: SHELL SIZE

Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max in	øB Max mm
05	5	N/A	0.250-32	.350	8.9
06	6	N/A	0.3125-32	.415	10.5
11	N/A	8	0.3750-32	.465	11.8
07	7	9	0.4375-28	.530	13.5
08	8	10	0.500-28	.595	15.1
09	9	11	0.5625-24	.650	16.5
10	10	12	0.625-24	.715	18.2
12	11, 12, 13	13	0.6875-24	.785	19.9
13	N/A	15	0.750-20	.830	21.1
14	14, 15, 16, 17	18, 19	0.9375-20	1.020	25.9
16	19	21	1.0625-18	1.155	29.3
17	21	23	1.1875-18	1.280	32.5

TABLE 2: ENTRY SIZE

Entry Size	Cable Sealing Dia. Min in	Min mm	Max in	Max mm	C ± .015 (0.4) in	C ± .015 (0.4) mm	øD ± .015 (0.4) in	øD ± .015 (0.4) mm	øE Closed in	øE Closed mm
01	.031	0.8	.109	2.8	.496	12.6	.398	10.1	.11	2.8
02	.078	2.0	.172	4.4	.582	14.8	.460	11.7	.17	4.3
03	.140	3.6	.234	5.9	.656	16.7	.523	13.3	.23	5.8
04	.203	5.2	.297	7.5	.726	18.4	.585	14.9	.30	7.6
05	.265	6.7	.359	9.1	.885	22.5	.647	16.4	.36	9.1
06	.328	8.3	.422	10.7	.952	24.2	.710	18.0	.42	10.7
07	.390	9.9	.484	12.3	1.018	25.9	.773	19.6	.48	12.2
08	.453	11.5	.547	13.9	1.084	27.5	.835	21.2	.55	14.0
09	.515	13.1	.609	15.5	1.148	29.2	.897	22.8	.61	15.5
10	.578	14.7	.672	17.1	1.211	30.8	.959	24.4	.67	17.0
11	.640	16.3	.734	18.6	1.273	32.3	1.021	25.9	.73	18.5
12	.765	19.4	.859	21.8	1.400	35.6	1.083	27.5	.86	21.8
13	.906	23.0	1.000	25.4	1.539	39.1	1.145	29.1	.99	25.1