TFR2 - 009 N

1 2 3

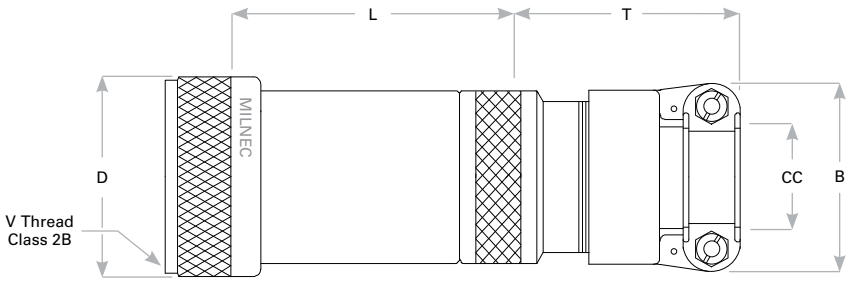
1. **BASIC PART NUMBER**
   TFR2 Straight EMI/RFI env. backshell
2. **DASH NO.**
   See Backshell Dimensions table below
3. **MATERIAL & FINISH**
   N Aluminum, electroless nickel
   W Aluminum, olive drab cadmium

Note: See part builder (p. X-11) for additional kit options.



TFR2 Compatibility

Compatible Brands	Connectors
MIL-DTL-5015 Crimp	MS3400, MS3401, MS3404, MS3406, MS3496



Backshell Dimensions

Dash No.	Shell Size	V Thread Class 2B	T	D	B	L	CC Cable Clearance	
							Min	Max
009	10	.625-24 UNEF	1.544 (39.2)	.730 (18.5)	.957 (24.3)	2.125 (54.0)	.125 (3.2)	.312 (7.9)
010	10	.625-24 UNEF	1.544 (39.2)	.730 (18.5)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
136	10	.625-24 UNEF	1.544 (39.2)	.730 (18.5)	1.145 (29.1)	2.125 (54.0)	.250 (6.4)	.375 (9.5)
137	10	.625-24 UNEF	1.544 (39.2)	.730 (18.5)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.375 (9.5)
011	10	.625-24 UNEF	1.544 (39.2)	.730 (18.5)	1.145 (29.1)	2.875 (73.0)	.250 (6.4)	.437 (11.1)
012	10	.625-24 UNEF	1.544 (39.2)	.730 (18.5)	1.145 (29.1)	3.875 (98.4)	.250 (6.4)	.437 (11.1)
114	12	.750-20 UNEF	1.544 (39.2)	.860 (21.8)	.957 (24.3)	2.125 (54.0)	.125 (3.2)	.312 (7.9)
115	12	.750-20 UNEF	1.544 (39.2)	.860 (21.8)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
013	12	.750-20 UNEF	1.544 (39.2)	.860 (21.8)	1.145 (29.1)	2.125 (54.0)	.250 (6.4)	.437 (11.1)
014	12	.750-20 UNEF	1.544 (39.2)	.860 (21.8)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
111	12	.750-20 UNEF	1.844 (46.8)	.860 (21.8)	1.332 (33.8)	2.125 (54.0)	.350 (8.9)	.500 (12.7)
139	12	.750-20 UNEF	1.844 (46.8)	.860 (21.8)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.500 (12.7)
015	12	.750-20 UNEF	1.844 (46.8)	.860 (21.8)	1.332 (33.8)	2.875 (73.0)	.350 (8.9)	.625 (15.9)
016	12	.750-20 UNEF	1.844 (46.8)	.860 (21.8)	1.332 (33.8)	3.875 (98.4)	.350 (8.9)	.625 (15.9)
150	14	.875-20 UNEF	1.544 (39.2)	.980 (24.9)	.957 (24.3)	2.125 (54.0)	.125 (3.2)	.312 (7.9)

Dimensions are in inches (mm).

(Continued on next page)

Rev. 1806

Backshell Dimensions (Continued from previous page)

Dash No.	Shell Size	V Thread Class 2B	T	D	B	L	CC Cable Clearance	
							Min	Max
151	14	.875-20 UNEF	1.544 (39.2)	.980 (24.9)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
116	14	.875-20 UNEF	1.544 (39.2)	.980 (24.9)	1.145 (29.1)	2.125 (54.0)	.250 (6.4)	.437 (11.1)
117	14	.875-20 UNEF	1.544 (39.2)	.980 (24.9)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
017	14	.875-20 UNEF	1.844 (46.8)	.980 (24.9)	1.332 (33.8)	2.125 (54.0)	.350 (8.9)	.575 (14.6)
018	14	.875-20 UNEF	1.844 (46.8)	.980 (24.9)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.575 (14.6)
019	14	.875-20 UNEF	1.916 (48.7)	.980 (24.9)	1.551 (39.4)	2.875 (73.0)	.500 (12.7)	.750 (19.1)
020	14	.875-20 UNEF	1.916 (48.7)	.980 (24.9)	1.551 (39.4)	3.875 (98.4)	.500 (12.7)	.750 (19.1)
152	16	1.000-20 UNEF	1.544 (39.2)	1.110 (28.2)	.957 (24.3)	2.125 (54.0)	.125 (3.2)	.312 (7.9)
153	16	1.000-20 UNEF	1.544 (39.2)	1.110 (28.2)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
112	16	1.000-20 UNEF	1.544 (39.2)	1.110 (28.2)	1.145 (29.1)	2.125 (54.0)	.250 (6.4)	.437 (11.1)
113	16	1.000-20 UNEF	1.544 (39.2)	1.110 (28.2)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
118	16	1.000-20 UNEF	1.844 (46.8)	1.110 (28.2)	1.332 (33.8)	2.125 (54.0)	.350 (8.9)	.625 (15.9)
119	16	1.000-20 UNEF	1.844 (46.8)	1.110 (28.2)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.625 (15.9)
021	16	1.000-20 UNEF	1.916 (48.7)	1.110 (28.2)	1.551 (39.4)	2.125 (54.0)	.500 (12.7)	.700 (17.8)
022	16	1.000-20 UNEF	1.916 (48.7)	1.110 (28.2)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.700 (17.8)
023	16	1.000-20 UNEF	2.000 (50.8)	1.110 (28.2)	1.770 (45.0)	2.875 (73.0)	.625 (15.9)	.937 (23.8)
024	16	1.000-20 UNEF	2.000 (50.8)	1.110 (28.2)	1.770 (45.0)	3.875 (98.4)	.625 (15.9)	.937 (23.8)
120	18	1.062-18 UNEF	1.544 (39.2)	1.220 (31.0)	.957 (24.3)	2.125 (54.0)	.125 (3.2)	.312 (7.9)
121	18	1.062-18 UNEF	1.544 (39.2)	1.220 (31.0)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
122	18	1.062-18 UNEF	1.544 (39.2)	1.220 (31.0)	1.145 (29.1)	2.125 (54.0)	.250 (6.4)	.437 (11.1)
123	18	1.062-18 UNEF	1.544 (39.2)	1.220 (31.0)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
025	18	1.062-18 UNEF	1.844 (46.8)	1.220 (31.0)	1.332 (33.8)	2.125 (54.0)	.350 (8.9)	.625 (15.9)
026	18	1.062-18 UNEF	1.844 (46.8)	1.220 (31.0)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.625 (15.9)
027	18	1.062-18 UNEF	1.916 (48.7)	1.220 (31.0)	1.551 (39.4)	2.125 (54.0)	.500 (12.7)	.750 (19.1)
028	18	1.062-18 UNEF	1.916 (48.7)	1.220 (31.0)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.750 (19.1)
029	18	1.062-18 UNEF	2.000 (50.8)	1.220 (31.0)	1.770 (45.0)	2.875 (73.0)	.625 (15.9)	.937 (23.8)
030	18	1.062-18 UNEF	2.000 (50.8)	1.220 (31.0)	1.770 (45.0)	3.875 (98.4)	.625 (15.9)	.937 (23.8)
124	20	1.188-18 UNEF	1.544 (39.2)	1.340 (34.0)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
125	20	1.188-18 UNEF	1.544 (39.2)	1.340 (34.0)	1.145 (29.1)	4.125 (104.8)	.250 (6.4)	.437 (11.1)
031	20	1.188-18 UNEF	1.844 (46.8)	1.340 (34.0)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.625 (15.9)
032	20	1.188-18 UNEF	1.844 (46.8)	1.340 (34.0)	1.332 (33.8)	4.125 (104.8)	.350 (8.9)	.625 (15.9)
033	20	1.188-18 UNEF	1.916 (48.7)	1.340 (34.0)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.750 (19.1)
034	20	1.188-18 UNEF	1.916 (48.7)	1.340 (34.0)	1.551 (39.4)	4.125 (104.8)	.500 (12.7)	.750 (19.1)
140	20	1.188-18 UNEF	2.000 (50.8)	1.340 (34.0)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.904 (23.0)
141	20	1.188-18 UNEF	2.000 (50.8)	1.340 (34.0)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.904 (23.0)
035	20	1.188-18 UNEF	2.000 (50.8)	1.340 (34.0)	1.770 (45.0)	3.875 (98.4)	.625 (15.9)	.937 (23.8)
036	20	1.188-18 UNEF	2.000 (50.8)	1.340 (34.0)	1.770 (45.0)	4.875 (123.8)	.625 (15.9)	.937 (23.8)
037	20	1.188-18 UNEF	2.230 (56.6)	1.340 (34.0)	2.113 (53.7)	3.875 (98.4)	.875 (22.2)	1.250 (31.8)
038	20	1.188-18 UNEF	2.230 (56.6)	1.340 (34.0)	2.113 (53.7)	4.875 (123.8)	.875 (22.2)	1.250 (31.8)
126	22	1.313-18 UNEF	1.544 (39.2)	1.470 (37.3)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
127	22	1.313-18 UNEF	1.544 (39.2)	1.470 (37.3)	.957 (24.3)	4.125 (104.8)	.125 (3.2)	.312 (7.9)
128	22	1.313-18 UNEF	1.544 (39.2)	1.470 (37.3)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
129	22	1.313-18 UNEF	1.544 (39.2)	1.470 (37.3)	1.145 (29.1)	4.125 (104.8)	.250 (6.4)	.437 (11.1)
039	22	1.313-18 UNEF	1.844 (46.8)	1.470 (37.3)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.625 (15.9)
040	22	1.313-18 UNEF	1.844 (46.8)	1.470 (37.3)	1.332 (33.8)	4.125 (104.8)	.350 (8.9)	.625 (15.9)
041	22	1.313-18 UNEF	1.916 (48.7)	1.470 (37.3)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.750 (19.1)
042	22	1.313-18 UNEF	1.916 (48.7)	1.470 (37.3)	1.551 (39.4)	4.125 (104.8)	.500 (12.7)	.750 (19.1)
043	22	1.313-18 UNEF	2.000 (50.8)	1.470 (37.3)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.937 (23.8)

Dimensions are in inches (mm).

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Backshell Dimensions (Continued from previous page)

Dash No.	Shell Size	V Thread Class 2B	T	D	B	L	CC Cable Clearance	
							Min	Max
044	22	1.313-18 UNEF	2.000 (50.8)	1.470 (37.3)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.937 (23.8)
142	22	1.313-18 UNEF	2.230 (56.6)	1.470 (37.3)	2.113 (53.7)	3.125 (79.4)	.875 (22.2)	1.029 (26.1)
143	22	1.313-18 UNEF	2.230 (56.6)	1.470 (37.3)	2.113 (53.7)	4.125 (104.8)	.875 (22.2)	1.029 (26.1)
045	22	1.313-18 UNEF	2.230 (56.6)	1.470 (37.3)	2.113 (53.7)	3.875 (98.4)	.875 (22.2)	1.250 (31.8)
046	22	1.313-18 UNEF	2.230 (56.6)	1.470 (37.3)	2.113 (53.7)	4.875 (123.8)	.875 (22.2)	1.250 (31.8)
130	24	1.438-18 UNEF	1.844 (46.8)	1.590 (40.4)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.625 (15.9)
131	24	1.438-18 UNEF	1.844 (46.8)	1.590 (40.4)	1.332 (33.8)	4.125 (104.8)	.350 (8.9)	.625 (15.9)
047	24	1.438-18 UNEF	1.916 (48.7)	1.590 (40.4)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.750 (19.1)
048	24	1.438-18 UNEF	1.916 (48.7)	1.590 (40.4)	1.551 (39.4)	4.125 (104.8)	.500 (12.7)	.750 (19.1)
049	24	1.438-18 UNEF	2.000 (50.8)	1.590 (40.4)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.812 (20.6)
050	24	1.438-18 UNEF	2.000 (50.8)	1.590 (40.4)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.812 (20.6)
051	24	1.438-18 UNEF	2.000 (50.8)	1.590 (40.4)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.937 (23.8)
052	24	1.438-18 UNEF	2.000 (50.8)	1.590 (40.4)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.937 (23.8)
144	24	1.438-18 UNEF	2.230 (56.6)	1.590 (40.4)	2.113 (53.7)	3.125 (79.4)	.875 (22.2)	1.144 (29.1)
145	24	1.438-18 UNEF	2.230 (56.6)	1.590 (40.4)	2.113 (53.7)	4.125 (104.8)	.875 (22.2)	1.144 (29.1)
053	24	1.438-18 UNEF	2.230 (56.6)	1.590 (40.4)	2.113 (53.7)	3.875 (98.4)	.875 (22.2)	1.250 (31.8)
054	24	1.438-18 UNEF	2.230 (56.6)	1.590 (40.4)	2.113 (53.7)	4.875 (123.8)	.875 (22.2)	1.250 (31.8)
055	28	1.750-18 UNS	1.916 (48.7)	1.970 (50.0)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.750 (19.1)
056	28	1.750-18 UNS	1.916 (48.7)	1.970 (50.0)	1.551 (39.4)	4.125 (104.8)	.500 (12.7)	.750 (19.1)
057	28	1.750-18 UNS	2.000 (50.8)	1.970 (50.0)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.937 (23.8)
058	28	1.750-18 UNS	2.000 (50.8)	1.970 (50.0)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.937 (23.8)
059	28	1.750-18 UNS	2.230 (56.6)	1.970 (50.0)	2.113 (53.7)	3.125 (79.4)	.875 (22.2)	1.250 (31.8)
060	28	1.750-18 UNS	2.230 (56.6)	1.970 (50.0)	2.113 (53.7)	4.125 (104.8)	.875 (22.2)	1.250 (31.8)
061	28	1.750-18 UNS	2.024 (51.4)	1.970 (50.0)	2.363 (60.0)	3.125 (79.4)	1.000 (25.4)	1.375 (34.9)
062	28	1.750-18 UNS	2.024 (51.4)	1.970 (50.0)	2.363 (60.0)	4.125 (104.8)	1.000 (25.4)	1.375 (34.9)
063	32	2.000-18 UNS	2.000 (50.8)	2.220 (56.4)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.937 (23.8)
064	32	2.000-18 UNS	2.000 (50.8)	2.220 (56.4)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.937 (23.8)
065	32	2.000-18 UNS	2.230 (56.6)	2.220 (56.4)	2.113 (53.7)	3.125 (79.4)	.875 (22.2)	1.250 (31.8)
066	32	2.000-18 UNS	2.230 (56.6)	2.220 (56.4)	2.113 (53.7)	4.125 (104.8)	.875 (22.2)	1.250 (31.8)
067	32	2.000-18 UNS	2.024 (51.4)	2.220 (56.4)	2.363 (60.0)	3.125 (79.4)	1.000 (25.4)	1.375 (34.9)
068	32	2.000-18 UNS	2.024 (51.4)	2.220 (56.4)	2.363 (60.0)	4.125 (104.8)	1.000 (25.4)	1.375 (34.9)
069	32	2.000-18 UNS	2.550 (64.8)	2.220 (56.4)	2.770 (70.4)	3.125 (79.4)	1.250 (31.8)	1.625 (41.3)
070	32	2.000-18 UNS	2.550 (64.8)	2.220 (56.4)	2.770 (70.4)	4.125 (104.8)	1.250 (31.8)	1.625 (41.3)
132	36	2.250-16 UN	1.916 (48.7)	2.470 (62.7)	1.551 (39.4)	4.125 (104.8)	.500 (12.7)	.750 (19.1)
133	36	2.250-16 UN	1.916 (48.7)	2.470 (62.7)	1.551 (39.4)	5.125 (130.2)	.500 (12.7)	.750 (19.1)
148	36	2.250-16 UN	2.000 (50.8)	2.470 (62.7)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.937 (23.8)
149	36	2.250-16 UN	2.000 (50.8)	2.470 (62.7)	1.770 (45.0)	5.125 (130.2)	.625 (15.9)	.937 (23.8)
071	36	2.250-16 UN	2.230 (56.6)	2.470 (62.7)	2.113 (53.7)	4.125 (104.8)	.875 (22.2)	1.250 (31.8)
072	36	2.250-16 UN	2.230 (56.6)	2.470 (62.7)	2.113 (53.7)	5.125 (130.2)	.875 (22.2)	1.250 (31.8)
073	36	2.250-16 UN	2.024 (51.4)	2.470 (62.7)	2.363 (60.0)	4.125 (104.8)	1.000 (25.4)	1.375 (34.9)
074	36	2.250-16 UN	2.024 (51.4)	2.470 (62.7)	2.363 (60.0)	5.125 (130.2)	1.000 (25.4)	1.375 (34.9)
075	36	2.250-16 UN	2.550 (64.8)	2.470 (62.7)	2.770 (70.4)	4.125 (104.8)	1.250 (31.8)	1.625 (41.3)
076	36	2.250-16 UN	2.550 (64.8)	2.470 (62.7)	2.770 (70.4)	5.125 (130.2)	1.250 (31.8)	1.625 (41.3)
146	36	2.250-16 UN	2.600 (66.0)	2.470 (62.7)	3.020 (76.7)	4.125 (104.8)	1.437 (36.5)	1.840 (46.7)
147	36	2.250-16 UN	2.600 (66.0)	2.470 (62.7)	3.020 (76.7)	5.125 (130.2)	1.437 (36.5)	1.840 (46.7)
077	36	2.250-16 UN	2.600 (66.0)	2.470 (62.7)	3.020 (76.7)	5.000 (127.0)	1.437 (36.5)	1.875 (47.6)
078	36	2.250-16 UN	2.600 (66.0)	2.470 (62.7)	3.020 (76.7)	6.000 (152.4)	1.437 (36.5)	1.875 (47.6)

Dimensions are in inches (mm).