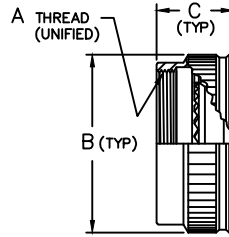
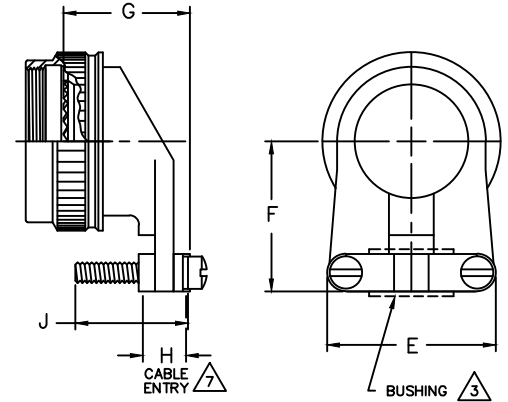


**STYLE F**



**STYLE E**



**STYLE L**

*Example Part Number*

1 1 1 4 0 E 1 6 - 5 6  $\Delta_3$   $\Delta_4$   $\Delta_5$   $\Delta_6$

**ADAPTER SERIES**  
 STRAIN-RELIEF, STRAIGHT, 90° & NON STRAIN-RELIEF NUT

**ADAPTER STYLE**  
 STYLE E - NUT, NON STRAIN-RELIEF  
 STYLE F - STRAIGHT STRAIN-RELIEF  
 STYLE L - 90° STRAIN-RELIEF

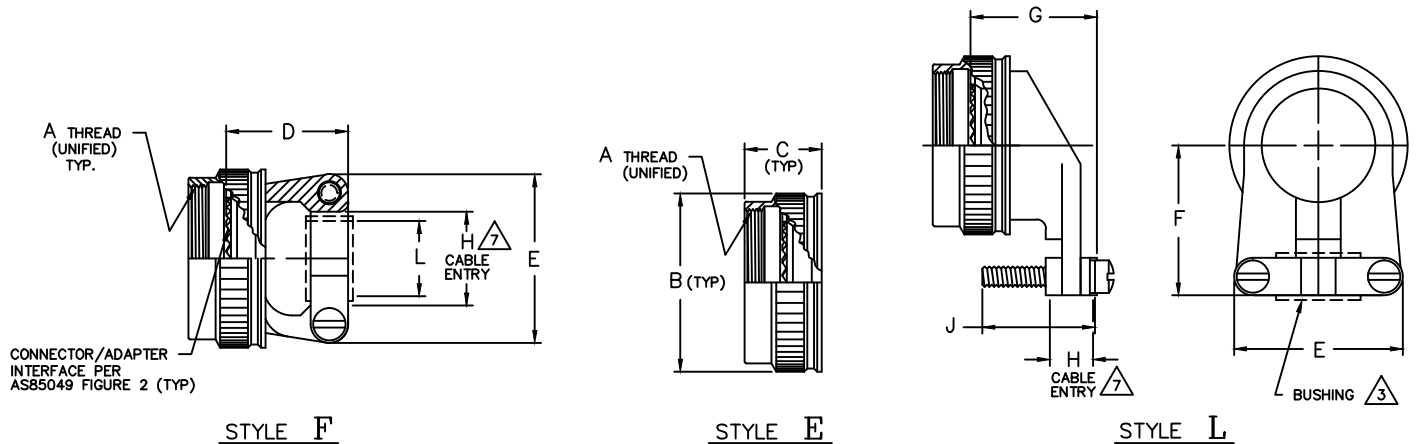
**CONNECTOR CODE NUMBER**  
 MIL-DTL-38999, SERIES III & IV, CLASS C,F,K & W  
 MS38999/20/24/26/40/44/ & /47

**PLATING/MATERIAL CODE NUMBER**  
 55 - ALUMINUM ALLOY MATERIAL - CADMIUM, OLIVE DRAB OVER NICKEL, PER SAE AMS-QQ-P-416 & AMS-C-26074.  
 51 - ALUMINUM ALLOY MATERIAL - ELECTROLESS NICKEL, PER AMS-C-26074, CLASS 4, GRADE B.  
 10 - 300 SERIES SST MATERIAL - PASSIVATE PER SAE AMS-QQ-P-35.  
 34 - ALUMINUM ALLOY; ANODIZE, AMS-A-8625, TYPE II, BLACK FOR ADDITIONAL FINISH OPTIONS, SEE CATALOG TABLE 4.

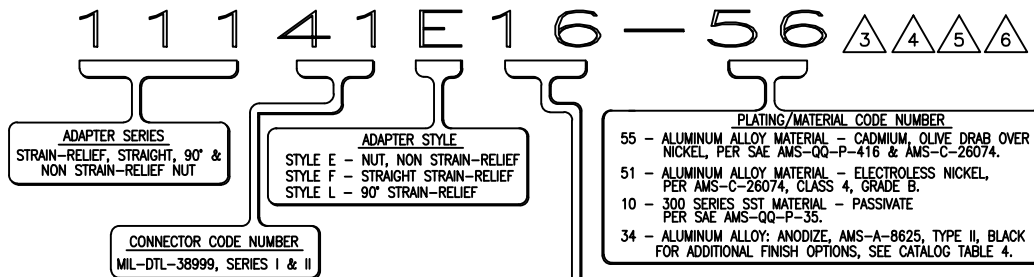
ORDER NUMBER	SHELL SIZE		A METRIC THD CLASS 6H	ØB MAX	C MAX	D MAX	E MAX	F MAX	G MAX	H $\Delta_7$ CABLE ENTRY		J ±.032	SCREW SIZE	(L)	ØM ±.015 MAX	ØN MAX
	COM'L	MIL								MAX	MIN					
0 8	9	A	M12 X 1.0	.719	.660	.729	.770	1.000	1.010	.234	.098	.500	6-32	.125	.609	.858
1 0	11	B	M15 X 1.0	.844	.660	.729	.770	1.100	1.010	.234	.153	.500	6-32	.188	.733	.984
1 2	13	C	M18 X 1.0	.969	.660	.729	1.010	1.100	1.210	.328	.190	.625	6-32	.312	.855	1.157
1 4	15	D	M22 X 1.0	1.094	.660	.822	1.135	1.250	1.260	.457	.260	.750	6-32	.375	.983	1.279
1 6	17	E	M25 X 1.0	1.219	.660	.822	1.135	1.300	1.410	.614	.283	.750	6-32	.500	1.109	1.406
1 8	19	F	M28 X 1.0	1.344	.660	.822	1.385	1.350	1.510	.634	.325	.750	8-32	.625	1.233	1.516
2 0	21	G	M31 X 1.0	1.469	.660	1.010	1.385	1.600	1.660	.698	.343	.875	8-32	.625	1.359	1.642
2 2	23	H	M34 X 1.0	1.594	.660	1.010	1.635	1.750	1.760	.823	.381	1.000	8-32	.750	1.483	1.768
2 4	25	J	M37 X 1.0	1.719	.660	1.010	1.698	1.850	1.910	.853	.418	1.125	8-32	.800	1.604	1.889

NOTES: UNLESS OTHERWISE SPECIFIED.

- ASSEMBLY IDENTIFICATION PER MIL-STD-1285.
- MATERIAL: ADAPTER COMPONENTS - ALUMINUM ALLOY, OR 300 SERIES SST.  
 SCREW, WASHERS & RETAINING RING - 300 SERIES SST.  
 SEE PLATING/MATERIAL CODE IN PART NUMBER.
- $\Delta_3$  ADD 'B' TO P/N IF BUSHING IS REQ'D OF STLY F & L ONLY. NOT AVAILABLE ON STYLE 'E'.
- $\Delta_4$  ADD 'E' TO P/N IF LOW PROFILE COUPLING NUT REQ'D REF. 'ØM'.
- $\Delta_5$  ADD 'H' TO P/N FOR SELF-LOCKING COUPLING. REF. 'ØN'. SCREW HEADS SHALL BE ON SAME SIDE OF CLAMP (STYLE 'F')
- $\Delta_6$  ADD 'W' TO END OF P/N FOR LOCKWIRE HOLES IN COUPLING NUT AND SCREWS.
- $\Delta_7$  "WIRE BUNDLE ACCOMMODATION RANGE" DIMENSION IS DEFINED AS THE ENVELOPE AREA OF THE WIRE BUNDLE. THIS DIMENSION IS NOT MEANT TO DEFINE THE CLAMP HARDWARE LIMITS. CABLE ENTRY MEETS AS85049/38 & /39.



*Example Part Number*

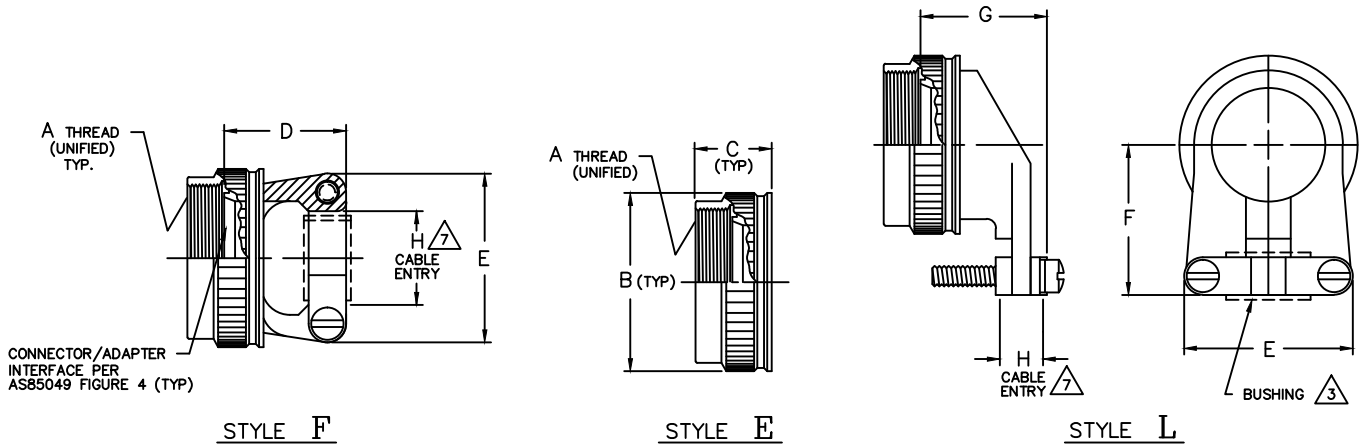


**CONNECTOR ORDER NUMBER**

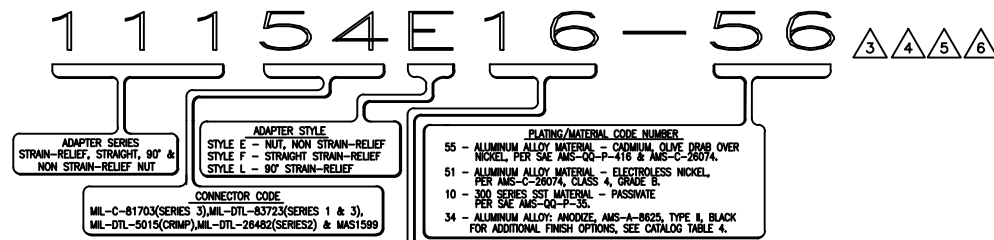
ORDER NUMBER	SHELL SIZE		A UNIFIED THD CLASS 2B	ØB MAX	C MAX	D MAX	E MAX	F MAX	G MAX	H $\triangle$ CABLE ENTRY		J ±.032	SCREW SIZE	(L)	ØM $\triangle$ ±.015	ØN $\triangle$ MAX
	SER. II	SER. I								MAX	MIN					
0 8	8	9	.438-28	.719	.660	.729	.770	1.000	1.010	.234	.098	.500	6-32	.125	.609	.858
1 0	10	11	.562-24	.844	.660	.729	.770	1.100	1.010	.234	.153	.500	6-32	.188	.733	.984
1 2	12	13	.688-24	.969	.660	.729	1.010	1.100	1.210	.328	.190	.625	6-32	.312	.855	1.157
1 4	14	15	.812-20	1.094	.660	.822	1.135	1.250	1.260	.457	.260	.750	6-32	.375	.983	1.279
1 6	16	17	.938-20	1.219	.660	.822	1.135	1.300	1.410	.634	.283	.750	6-32	.500	1.109	1.406
1 8	18	19	1.062-18	1.344	.660	.822	1.385	1.350	1.510	.614	.325	.750	8-32	.625	1.233	1.516
2 0	20	21	1.188-18	1.469	.660	1.010	1.385	1.600	1.660	.698	.343	.875	8-32	.625	1.359	1.642
2 2	22	23	1.312-18	1.594	.660	1.010	1.635	1.750	1.760	.823	.381	1.000	8-32	.750	1.483	1.768
2 4	24	25	1.438-18	1.719	.660	1.010	1.698	1.850	1.910	.853	.418	1.125	8-32	.800	1.604	1.889

NOTES: UNLESS OTHERWISE SPECIFIED.

1. ASSEMBLY IDENTIFICATION PER MIL-STD-1285.
2. MATERIAL: ADAPTER COMPONENTS - ALUMINUM ALLOY, OR 300 SERIES SST.  
 SCREW, WASHERS & RETAINING RING - 300 SERIES SST.  
 SEE PLATING/MATERIAL CODE IN PART NUMBER.
- $\triangle_3$  ADD 'B' TO P/N IF BUSHING IS REQ'D OF STYLY F & L ONLY. NOT AVAILABLE ON STYLE 'E'.
- $\triangle_4$  ADD 'E' TO P/N IF LOW PROFILE COUPLING NUT REQ'D REF. 'ØM'.
- $\triangle_5$  ADD 'H' TO P/N FOR SELF-LOCKING COUPLING. REF. 'ØN'. SCREW HEADS SHALL BE ON SAME SIDE OF CLAMP (STYLE 'F')
- $\triangle_6$  ADD 'W' TO END OF P/N FOR LOCKWIRE HOLES IN COUPLING NUT AND SCREWS.
- $\triangle_7$  "WIRE BUNDLE ACCOMMODATION RANGE" DIMENSION IS DEFINED AS THE ENVELOPE AREA OF THE WIRE BUNDLE. THIS DIMENSION IS NOT MEANT TO DEFINE THE CLAMP HARDWARE LIMITS. CABLE ENTRY MEETS AS85049/47 & /49.



*Example Part Number*



DASH NUMBER	SHELL SIZE		A UNIFIED THD CLASS 2B	ØB MAX O.D.	C MAX.	D MAX.	E ±.020	F ±.062	G MAX.	H <sup>7</sup> CABLE ENTRY	
	<sup>8</sup>	<sup>9</sup>								MAX.	MIN.
0 3	3		.562-24UNEF	.669	.540	.630	.732	.777	.780	.204	.125
0 8		8 & 8S	.500-20UNEF	.617	.540	.630	.732	.746	.780	.204	.125
1 0		10, 10S & 10SL	.625-24UNEF	.734	.540	.740	.812	.805	.860	.286	.188
1 2	7	12 & 12S	.750-20UNEF	.858	.540	.860	.968	.867	1.050	.416	.291
1 4	12	14 & 14S	.875-20UNEF	.984	.540	.860	1.026	.930	1.110	.476	.351
1 6	19	16 & 16S	1.000-20UNEF	1.112	.540	.990	1.299	.994	1.260	.625	.501
1 8	27	18	1.062-18UNEF	1.218	.540	1.240	1.431	1.171	1.370	.706	.518
2 0	37	20	1.188-18UNEF	1.345	.540	1.360	1.537	1.234	1.500	.831	.581
2 2		22	1.312-18UNEF	1.468	.540	1.490	1.633	1.296	1.620	.956	.644
2 4		24	1.438-18UNEF	1.593	.540	1.610	1.755	1.358	1.750	1.081	.706
2 8		28	1.750-18UNS	1.969	.702	1.760	2.000	1.572	1.890	1.187	.750
3 2		32	2.000-18UNS	2.219	.702	1.950	2.366	1.797	1.950	1.250	.875
3 6		36	2.250-16UN	2.469	.702	2.330	2.476	1.922	2.070	1.375	.644
4 0		40	2.500-16UN	2.719	.702	2.510	2.546	2.047	2.200	1.750	1.188
4 4		44	2.750-16UN	2.969	.702	2.890	2.840	2.296	2.450	1.875	1.312

- <sup>9</sup> SHELL SIZES PER MIL-DTL-5015, CLASS D, L, U & W, CRIMP CONTACT ONLY.  
 MS3400, 01, 04, 06, 50, 51, 54 & 56.  
 MIL-DTL-26482, SERIES 2, CLASS A & L. MS3470, 71, 72, 74, 75 & 76.  
 MIL-DTL-83723, SERIES I, CLASS A,G & R. M83723/1,2,3,4,5,6,7,8,13,14,42 & /43.  
 MIL-DTL-83723, SERIES III, CLASS A,G,K,R & S, MS83723/71,72,73,74,75,76,77,78,82,  
 /83,84,85,86,87,95 & /96.  
 NAS1599, CLASS G & R, NAS1641, 42, 43, 50, 51, 52, 53, 92, 93, 94, 99, 1700, 01 & 02.
- <sup>8</sup> SHELL SIZES PER MIL-C-81703, SERIES 3, CLASS E & L. MS3424, 46, 64, 67 & 68.

- <sup>7</sup> "WIRE BUNDLE ACCOMMODATION RANGE" DIMENSION IS DEFINED AS THE ENVELOPE AREA OF THE WIRE BUNDLE. THIS DIMENSION IS NOT MEANT TO DEFINE THE CLAMP HARDWARE LIMITS.
  - <sup>6</sup> ADD 'W' TO END OF P/N FOR LOCKWIRE HOLES IN COUPLING NUT AND SCREWS.
  - <sup>5</sup> ADD 'H' TO P/N FOR SELF-LOCKING COUPLING. SCREW HEADS SHALL BE ON SAME SIDE OF CLAMP (STYLE 'F')
  - <sup>4</sup> ADD 'E' TO P/N IF LOW PROFILE COUPLING NUT REQ'D.
  - <sup>3</sup> ADD 'B' TO P/N IF SILICONE BUSHING IS REQ'D ON STYLE F & L ONLY. NOT AVAILABLE ON STYLE 'E'.
2. MATERIAL: ADAPTER COMPONENTS - ALUMINUM ALLOY, OR 300 SERIES SST.  
 SCREW, WASHERS & RETAINING RING - 300 SERIES SST.  
 SEE PLATING/MATERIAL CODE IN PART NUMBER.
1. ASSEMBLY IDENTIFICATION PER MIL-STD-1285.

**NOTES: UNLESS OTHERWISE SPECIFIED.**

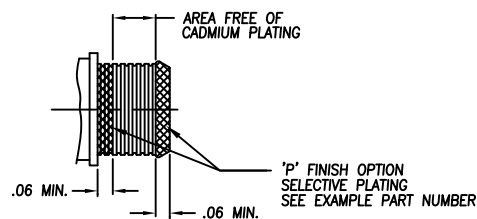


**STANDARD FINISHES**

PLATING CODE	FINISH	SPECIFICATION	ACCESSORY MATERIAL	CORROSION RESISTANCE (HRS)	ROHS COMPLIANT
0 3	CADIUM PLATE, OLIVE DRAB	SAE AMS-QQ-P-416, TYPE II, CLASS 3	ALUMINUM	96	NO
1 0	PASSIVATE	SAE AMS-QQ-P-35, (AS85049 CODE S)	STAINLESS STEEL	1000	YES
1 2	ZINC NICKEL, BLACK	ASTM B841	ALUMINUM	500	YES
1 3	ZINC COBALT, OLIVE DRAB	ASTM B840-99	ALUMINUM	96	NO
1 4	ZINC COBALT, BLACK	ASTM B840-99	ALUMINUM	96	NO
2 1	IRIDITE, 14-2, GOLD	IRIDITE, NUMBER 14-2 PER MIL-DTL-5541 CL 3	ALUMINUM	96	NO
3 4	ANODIZE, BLACK	MIL-A-8625, TYPE II, CL 3 (AS85049 CODE A)	ALUMINUM	1000	YES
3 5	ANODIZE ,GREY	MIL-A-8625, TYPE II, CLASS 2	ALUMINUM	500	YES
4 4	ANODIZE, HARD, BLACK	MIL-A-8625, TYPE II, CLASS 2	ALUMINUM	500	YES
4 5	ANODIZE, HARD, GREY	MIL-A-8625, TYPE II, CLASS 2	ALUMINUM	1000	YES
4 8	ELECTROLESS NICKEL	AMS-2404F, CLASS 4, GRADE B	STAINLESS STEEL	48	NO
5 1	ELECTROLESS NICKEL	AMS-2404F, CLASS 4, GRADE B	ALUMINUM	48	NO
5 5	CADIUM PLATE, OLIVE DRAB, OVER ELECTROLESS NICKEL	SAE AMS-QQ-P-416, TYPE II, CLASS 3, OVER ELECTROLESS NICKEL, PER AMS-2404F (AS85049 CODE W)	ALUMINUM	1000	NO
5 6	ELECTROLESS NICKEL	AMS-2404F, CLASS 4, GRADE A	ALUMINUM	96	NO
5 6 R	ELECTROLESS NICKEL	AMS-2404F, CLASS 4, GRADE A	ALUMINUM	48	YES
5 7	ELECTROLESS NICKEL	AMS-2404F, CLASS 4, GRADE A (AS85049 CODE N)	ALUMINUM	96	NO
64	CADIUM PLATE, OLIVE DRAB, OVER ELECTROLESS NICKEL	SAE AMS-QQ-P-416, TYPE II, CLASS 3, OVER  ELECTROLESS NICKEL, PER AMS-2404F (SELECTIVE PLATING REF AS85049 CODE P)	ALUMINUM	1000	NO
85	PASSIVATED	SAE AMS-QQ-P-35	316 SST	1000	YES
87	BEAD BLASTED	N/A	NI. ALUM. BRONZE	1000	YES

NOTES: UNLESS OTHERWISE SPECIFIED

1. CORROSION RESISTANCE IS SPECIFIED FOR SALT SPRAY IN ACCORDANCE WITH AS85049
- CONSULT FACTORY FOR OTHER FINISHES
- FINISHES ARE APPLICABLE TO THE CONNECTOR ACCESSORIES ONLY AND EXCLUDE FASTENERS AND OTHER HARDWARE
4. EMI/RFI ACCESSORIES ARE SUPPLIED WITH CONDUCTIVE FINISHES ONLY
5. ANODIZE NOT SUITABLE FOR EMI SHIELDING OR GROUNDING APPLICATIONS
6. ALL THE CONDUCTIVE FINISHES USED ON ALUMINUM CAN ALSO BE USED ON BRASS (CONSULT FACTORY)
- CADMIUM/NICKEL INTERFACE SHALL BE COATED WITH POLYSULFIDE SEALANT (REF FIGURE 2 BELOW)



**FIGURE 2**



**STANDARD MATERIALS**

COMPONENT	MATERIAL	SPECIFICATION
MACHINED COMPONENTS	ALUMINUM STAINLESS STEEL (300 SERIES) BRASS NICKEL ALUMINUM BRONZE	ASTM B221, ASTM B211 (MFG OPTION) AMS-QQ-S-763, QQ-S-764 (MFG OPTION) QQ-B-626 ASTMB150 (AMS4640)
DIE CAST COMPONENTS	ALUMINUM	ASTM B 85
FASTENERS AND HARDWARE	STAINLESS STEEL (300 SERIES) STEEL BRASS	AMS-QQ-S-763 SAE20, QQ-S-634, QQ-S-637 QQ-B-626
ELASTOMERIC SEALS	SILICONE BUNA-N NEOPRENE	ZZ-R-765B, MIL-R-25988 AMS-3209 MIL-R-3065

NOTES: UNLESS OTHERWISE SPECIFIED

1. THE SPECIFIED MATERIALS ARE STANDARD FOR THE MAJORITY OF CONNECTOR ACCESSORIES
2. CONSULT FACTORY FOR OTHER MATERIALS
3. FOR DOCUMENTS LISTED WITHIN THIS CATALOG WITH OUT A TOLERANCE SHOWN SHALL HAVE TOLERANCES AS FALLOWED:
  - .X = ±.2
  - .XX = ±.12
  - .XXX = ± .062
  - X° = ±10°