



**Table 2**

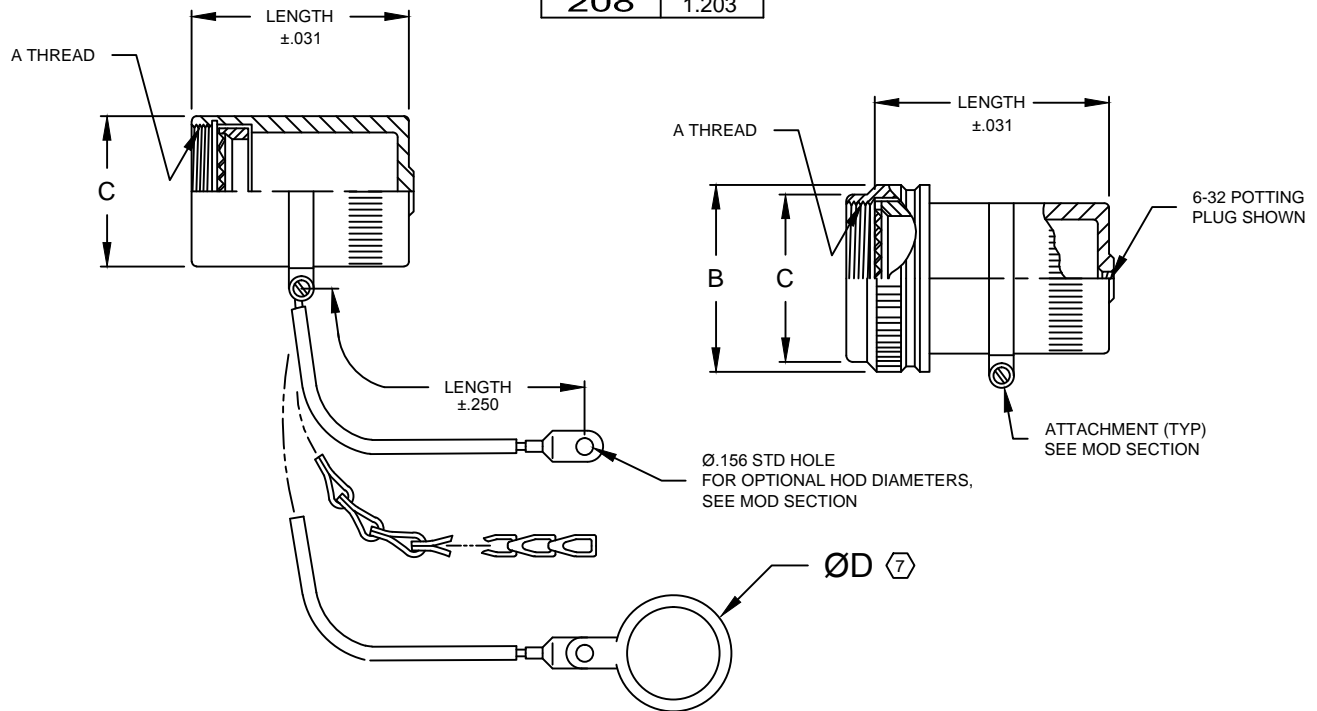
CONN CODE NUMBER	MIN ORDER LENGTH	MIN LENGTH CODE
18	1.500	06
21	1.000	04
30	1.500	06
32	1.500	06
40	1.000	04
41	1.000	04
51	1.000	04
54	1.000	04
61	1.500	06
76	1.250	05

**Table 3 - Solid Ring**

DASH NUMBER	ØD ±.015
095	.312
100	.391
101	.516
102	.583
103	.641
104	.708
105	.766
205	.788
106	.896
206	.907
107	1.016
207	1.025
108	1.141
308	1.188
208	1.203

**Table 3 - CON'T**

DASH NUMBER	ØD ±.015
109	1.266
209	1.312
110	1.391
210	1.438
111	1.521
211	1.536
112	1.641
113	1.766
213	1.812
114	1.891
214	1.938
115	2.078
116	2.406
117	2.510



**ASSEMBLY PART NUMBER**

TO ESTABLISH YOU P/N, USE THE FOLLOWING EXAMPLE

**A 41 16 S 23 C 07 B 10 51**

FUNCTION DESIGNATOR  
 A-NON EMI ADAPTER

CONNECTOR CODE NUMBER - TABLE 1 (6)

SERIES PART NUMBER

ADAPTER STYLE  
 S = STRAIGHT SPIN COUPLING ADAPTER  
 B = STRAIGHT BASIC ADAPTER

ACCESSORY ORDER NUMBER-TABLE 1

CHAIN AND POTTING PROVISION OPTION  
 0 - NONE  
 1 - Ø.188 (3/16") HOLE  
 2 - HOLE WITH 6-32 PLUG  
 R - WIRE ROPE  
 C - LINK CHAIN

MOD CODE (6)

PLATING CODE NUMBER-TABLE 4 (6)

LENGTH CODE NUMBER  
 LENGTHS ARE CHOSEN IN 1/4" INCREMENTS  
 (IE 08=2.00") SEE TABLE 2 FOR MINIMUM

GLAND & O'RING MATERIAL OPTION  
 B - NEOPRENE & BUNA-N  
 S - SILICONE  
 N - NONE REQUIRED (NON ENVIROMENTAL)

CHAIN WIRE ROPE LENGTH CODE NUMBER  
 LENGTHS ARE CHOSEN IN 1/2" INCREMENTS  
 (IE 06=3.00") MINIMUM IS 2.00" (04)  
 INSERT 00 IF ATTACHMENT IS NOT REQUIRED

# Table 1 - Order Number Data

## Accessory Order Number By Connector Code & Shell Size

ORDER NUMBER	MS3100 SERIES	MIL-DTL-5015 SOLDER CONTACT	MIL-DTL-28482 SERIES I	MIL-DTL-22982 CLASS C, J & R	MIL-DTL-38989 SERIES III & IV	MIL-DTL-38989 SERIES I & II	MIL-DTL-5015 CRIMP	MIL-DTL-28482 SER 2	MIL-DTL-83723 SER. III	MIL-C-81703 NAS 1589	LITTON, VEAM, CIR SERIES	MIL-C-81511 SERIES 1, 2, 3 & 4	PATT 105	PATT 603	PATT 608	A UNIFIED THREAD	B MAX DIA.	C MAX DIA.	ORDER NUMBER
	18 ④	21	32 ②	40 ③	41	54	64	61	76										
01	8S (B)															.375-32	.750	.531	01
03	8S (A)															.438-27	.812	.594	03
04	8S (C)	8			8, 9								8			.438-28	.812	.594	04
05						8 & 8S										.500-20	.875	.656	05
06	10S (-)										8, A					.500-28	.875	.656	06
07				9, A											M12 x 1.0	.719	.656	07	
08	10SL (C)	10			10, 11			3					10		.562-24	.844	.719	08	
10	10SL(A,B), 12,12S(B,C)					10,10S,10SL			12						.625-24	1.000	.781	10	
11										10, B					.625-28	1.000	.781	11	
12				11, B											M15 x 1.0	.844	.781	12	
13	12 & 12S (A)	12			12, 13								12		.688-24	1.062	.844	13	
15	14 & 14S (-)		12			12 & 12S	7	14							.750-20	1.125	.906	15	
16				13, C											M18 x 1.0	.969	.906	16	
18		14			14, 15								14		.812-20	1.188	.969	18	
19	16 & 16S (-)		14			14 & 14S	12	16							.875-20	1.250	1.031	19	
20										14, D					.875-28	1.250	1.031	20	
21				15, D											M22 x 1.0	1.094	1.031	21	
23		16			16, 17								16		.938-20	1.312	1.094	23	
24	18 (-)		16			16 & 16S	19	18							1.000-20	1.375	1.156	24	
25										16, E					1.000-28	1.375	1.156	25	
26				17, E											M25 x 1.0	1.219	1.156	26	
28		18			18, 19	18	27						18		1.062-18	1.438	1.219	28	
29	20 (-)		18						20						1.125-18	1.500	1.281	29	
30	20 (R)														1.125-24	1.500	1.281	30	
31										18, F					1.125-28	1.500	1.281	31	
32				19, F											M28 x 1.0	1.344	1.281	32	
34		20			20, 21	20	37						20		1.188-18	1.562	1.344	34	
35	22 (-)		20												1.250-18	1.625	1.406	35	
36										20, G					1.250-28	1.625	1.406	36	
37				21, G											M31 x 1.0	1.469	1.406	37	
39		22			22, 23	22							22		1.312-18	1.688	1.469	39	
40	24 (-)		22						24						1.375-18	1.750	1.531	40	
41										22, H					1.375-28	1.750	1.531	41	
42				23, H											M34 x 1.0	1.594	1.531	42	
44		24			24, 25	24							24		1.438-18	1.812	1.594	44	
45								61							1.500-18	1.875	1.656	45	
46										24, J					1.500-28	1.875	1.656	46	
47				25, J											M37 x 1.0	1.719	1.656	47	
48															1.562-18	1.938	1.719	48	
49	28 (-)		24						28						1.625-18	2.000	1.781	49	
51							28								1.750-18	2.125	1.906	51	
52	32 (B,C)		28							32					1.875-16	2.250	2.031	52	
53	32 (A,R)														1.906-18	2.281	2.062	53	
54							32								2.000-18	2.375	2.156	54	
55	36 (B)		32							36					2.062-16	2.469	2.219	55	
56	36 (R)														2.062-24	2.469	2.219	56	
57	36 (C)														2.125-16	2.500	2.281	57	
58	36 (A)														2.125-18	2.500	2.281	58	
59						36									2.250-16	2.625	2.406	59	
60	40 (B)		36							40					2.312-16	2.719	2.469	60	
61	40 (A,C)														2.375-16	2.750	2.531	61	
62						40									2.500-16	2.875	2.656	62	

NOTES: UNLESS OTHERWISE SPECIFIED.

1 THREADS ARE RIGHT HAND IN ACCORDANCE WITH FED-STD-H28, CLASS 2B.

② THREADS NOTED ARE LEFT HAND, CLASS 2B.

③ THREADS NOTED ARE ISO METRIC, CLASS 6H.

④ CODE 18 SHELL SIZES ARE FOLLOWED IN PARENTHESIS BY CONNECTOR MFR CODE. SEE CONNECTOR CODE 18 CHART AT RIGHT & EXAMPLE PART NUMBER FOR DETAILS.

5 TABLE 1 LISTS THE MOST USED CONNECTOR CODES. SEE SECTION 11 FOR OTHER CODES AVAILABLE AND COMPLETE CONNECTOR PART NUMBER CROSS REFERENCE.

⑥ SEE SUPPORT DATA SECTION FOR PLATING AND MODIFICATION CODE OPTIONS.

⑦ SEE TABLE 3 FOR OPTIONAL RING DIAMETERS ADD DASH NO. TO END OF PART NUMBER OMIT IF STANDARD DIAMETERS ARE REQ'D.

### ④ Connector Code 18 Chart

CONNECTOR CODE	CONNECTOR MANUFACTURER (MS3100, MS3101, MS3106 & MS3107)
A	AMPHENOL, CLASS A
B	BENDIX, CLASS A, E & R
C	CANNON, CLASS A, E & R
D	MFR. UNKNOWN, CLASS A, E & R
R	AMPHENOL, CLASS R
-	MFR. CODE NOT REQUIRED

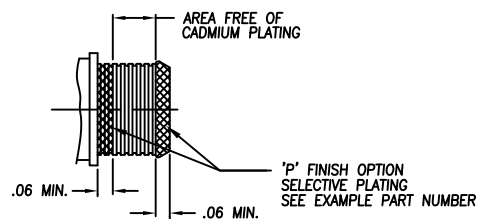


**STANDARD FINISHES**

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

- 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
- EMI/RFI ACCESSORIES ARE SUPPLIED WITH CONDUCTIVE FINISHES ONLY
- ANODIZE NOT SUITABLE FOR EMI SHIELDING OR GROUNDING APPLICATIONS
- 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°