



Example Part Number

30840S10040556 

BASIC ADAPTER NUMBER

ORDER NO.
PER TABLE II

PLATING CODE NUMBER

14 = ZINC COBALT PER ASTM B840-99 BLACK

55 = CADMIUM, OLIVE DRAB, PER SAE AMS-QQ-P-416, CLASS 3, OVER ELECTROLESS NICKEL PER AMS-C-26074, GRADE B

56 = ALUMINUM, ELECTROLESS NICKEL PER AMS-C-26074, CLASS 3 OR 4, GRADE A.

FOR ADDITIONAL FINISH OPTION, SEE CATALOG TABLE 4

LENGTH CODE

LENGTHS ARE CHOSEN IN 1/4" INCREMENTS (ie 08=2.00") 05=1.25 MIN. ORDER LENGTH INSERT "00" WHEN ORDERING AN ADAPTER STYLE A, B, D, E, L, OR STYLE R.

ADAPTER STYLE

STYLE S = STRAIGHT ADAPTER
 STYLE B = BASIC STRAIGHT ADAPTER
 STYLE A = 45° ADAPTER
 STYLE D = 45° ADAPTER (TUBE)
 STYLE R = 90° LOW PROFILE
 STYLE E = 90° (TUBE)
 STYLE J = 90° DIECAST
 STYLE L = 90° SPLIT SHELL

CONNECTOR CODE 

MILITARY SPECIFICATION	SERIES	CODE NO.
MIL-DTL-5015	3100	18
MIL-DTL-26482	1	21
MIL-DTL-38999	III & IV	40
MIL-DTL-38999	I & II	41
MIL-DTL-26482	2	54
MIL-DTL-5015G	3400	54
MIL-C-81703	3	54
MIL-DTL-83723	I	54
MIL-DTL-83723	III	54
NAS1599	-	54
LITTON VEAM CIR	-	64
AB 05	DEF.STD.59-35 PART 1, SEC.3	76
PATT 121	DEF.STD.59-35 PART 1, SEC.8	78


TABLE I - ENTRY DATA

ORDER NUMBER	ØZ ±.020	ØY REF.	ØV MAX	SPRING NO. 901-436-
02	.125	.450	N/A	-1
03	.188	.512	N/A	-1
04	.250	.575	N/A	-1
05	.312	.638	.734	-1
06	.375	.700	.734	-1
07	.438	.762	.858	-1
08	.500	.825	.858	-2
09	.562	.888	1.112	-2
10	.625	.950	1.112	-2
11	.688	1.012	1.345	-2
12	.750	1.075	1.345	-2
13	.812	1.138	1.345	-2
14	.875	1.200	1.345	-3
15	.938	1.262	1.594	-3
16	1.000	1.325	1.594	-3
17	1.062	1.388	1.594	-3
18	1.125	1.450	1.594	-3
20	1.250	1.578	1.969	-3
22	1.375	1.700	2.209	-4
24	1.500	1.825	2.459	-4

NOTES: UNLESS OTHERWISE SPECIFIED

- ASSEMBLY IDENT. PER MIL-STD-1285.
- MATERIAL: COMPONENTS - ALUMINUM ALLOY OR O'RING - SILICONE HARDWARE - SST
- ADAPTERS SUPPLIED WITH SPRING. SEE 901-436 (300 SERIES STAINLESS STEEL)
- CONSULT FACTORY FOR ADDITIONAL SIZES, CONNECTOR CODES, AND/OR INFORMATION.

 THIS DOCUMENT IS INCOMPLETE WITHOUT INTERFACE SPECIFICATION SHEET

 MAX ENTRY FOR STYLE L IS .875" (12). CONSULT FACTORY FOR AVAILABLE CONNECTOR CODES.

 ADD "S" FOR SELF LOCKING COUPLING NUT. AVAILABLE ONLY ON CODES 40, 41, & 54.



TABLE II – CONNECTOR CODE 40

MIL-DTL-38999, SERIES III & IV .

ORDER NO.	SHELL SIZE		<i>A</i> METRIC THD. CLASS 6H	<i>B</i> MAX. DIA.	<i>C</i> MAX.	<i>D</i> MAX.	<i>E</i> MAX.	<i>F</i> MAX.	<i>G</i> MAX.	<i>H</i> MAX.	<i>J</i> MAX.	<i>K</i> MAX.	<i>L</i> MAX.	<i>M</i> MAX.	<i>N</i> MAX.	MAX ENTRY
	COM'L.	MIL.														
0 8	9	A	M12 x 1.0	.719	1.15	.84	.875	1.58	.715	.59	1.13	1.26	1.76	.89	1.39	0 4
1 0	11	B	M15 x 1.0	.844	1.17	.97	.994	1.84	.719	.65	1.19	1.39	1.89	.94	1.45	0 6
1 2	13	C	M18 x 1.0	.969	1.20	1.09	.938	2.03	.843	.70	1.24	1.51	2.01	.99	1.50	0 8
1 4	15	D	M22 x 1.0	1.094	1.21	1.22	.938	2.13	.875	.72	1.29	1.64	2.14	1.14	1.55	0 9
1 6	17	E	M25 x 1.0	1.219	1.24	1.34	1.207	2.23	1.188	.78	1.34	1.76	2.26	1.10	1.60	1 2
1 8	19	F	M28 x 1.0	1.344	1.25	1.34	1.207	2.23	1.188	.80	1.39	1.89	2.39	1.15	1.65	1 2
2 0	21	G	M31 x 1.0	1.489	1.28	1.47	1.290	2.23	1.250	.85	1.45	2.01	2.51	1.20	1.70	1 4
2 2	23	H	M34 x 1.0	1.594	1.30	1.59	1.290	2.23	1.250	.90	1.50	2.14	2.64	1.26	1.76	1 6
2 4	25	J	M37 x 1.0	1.719	1.33	1.72	1.288	2.23	1.250	.96	1.55	2.26	2.76	1.31	1.81	1 8

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY IDENT. PER MIL-STD-1285.
2. MATERIAL: COMPONENTS – ALUM. ALLOY OR SST
 O’RING – SILICONE



TABLE II – CONNECTOR CODE 41

MIL-DTL-38999, SERIES I & II .

ORDER NO.	SHELL SIZE		A UNIFIED THD. CLASS 2B	B MAX. DIA.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.	H MAX.	J MAX.	K MAX.	L MAX.	M MAX.	N MAX.	MAX ENTRY
	SER I	SER II														
0 8	9	8	.438-28	.719	1.15	.84	.875	1.58	.715	.59	1.13	1.26	1.76	.89	1.39	0 4
1 0	11	10	.562-24	.844	1.17	.97	.994	1.84	.719	.65	1.19	1.39	1.89	.94	1.45	0 6
1 2	13	12	.688-24	.969	1.20	1.09	.938	2.03	.843	.70	1.24	1.51	2.01	.99	1.50	0 8
1 4	15	14	.812-20	1.094	1.21	1.22	.938	2.13	.875	.72	1.29	1.64	2.14	1.14	1.55	0 9
1 6	17	16	.938-20	1.219	1.24	1.34	1.207	2.23	1.188	.78	1.34	1.76	2.26	1.10	1.60	1 2
1 8	19	18	1.062-18	1.344	1.25	1.34	1.207	2.23	1.188	.80	1.39	1.89	2.39	1.15	1.65	1 2
2 0	21	20	1.188-18	1.489	1.28	1.47	1.290	2.23	1.250	.85	1.45	2.01	2.51	1.20	1.70	1 4
2 2	23	22	1.312-18	1.594	1.30	1.59	1.290	2.23	1.250	.90	1.50	2.14	2.64	1.26	1.76	1 6
2 4	25	24	1.438-18	1.719	1.33	1.72	1.288	2.23	1.250	.96	1.55	2.26	2.76	1.31	1.81	1 8

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY IDENT. PER MIL-STD-1285.
2. MATERIAL: COMPONENTS – ALUM. ALLOY OR SST
 O’RING – SILICONE



TABLE II – CONNECTOR CODE 54

MIL-DTL-26482, SERIES 2
 MIL-DTL-5015, 3400 SERIES
 MIL-DTL-81703, SERIES 3
 MIL-DTL-83723, SERIES I & III
 NAS1599

ORDER NO.	SHELL SIZE		A UNIFIED THD. CLASS 2B	B MAX. DIA.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.	H MAX.	J MAX.	K MAX.	L MAX.	M MAX.	N MAX.	MAX ENTRY
	5	4														
0 3	3	—	.562-24	.669	1.15	.84	N/A	N/A	N/A	.59	1.00	1.26	1.76	.89	1.39	0 4
0 8	—	8,8S	.500-20	.617	1.15	.84	.875	1.58	.715	59	1.13	1.26	1.76	.89	1.39	0 4
1 0	—	10,10S,10SL	.625-24	.734	1.17	.97	.994	1.84	.719	.65	1.19	1.39	1.89	.94	1.45	0 6
1 2	7	12,12S	.750-20	.858	1.20	1.09	.938	2.03	.843	.70	1.24	1.51	2.01	.99	1.50	0 8
1 4	12	14,14S	.875-20	.984	1.21	1.22	.938	2.13	.875	.72	1.29	1.64	2.14	1.14	1.55	0 9
1 6	19	16,16S	1.000-20	1.112	1.24	1.34	1.207	2.23	1.188	.78	1.34	1.76	2.26	1.10	1.60	1 2
1 8	27	18	1.062-18	1.218	1.25	1.34	1.207	2.23	1.188	.80	1.39	1.89	2.39	1.15	1.65	1 2
2 0	37	20	1.188-18	1.345	1.28	1.47	1.290	2.23	1.250	.85	1.45	2.01	2.51	1.20	1.70	1 4
2 2	—	22	1.312-18	1.468	1.30	1.59	1.290	2.23	1.250	.90	1.50	2.14	2.64	1.26	1.76	1 6
2 4	—	24	1.438-18	1.593	1.33	1.72	1.288	2.23	1.250	.96	1.55	2.26	2.76	1.31	1.81	1 8
2 8	—	28	1.750-18	1.969	1.38	1.97	N/A	N/A	N/A	1.06	1.65	2.51	3.01	1.36	1.86	2 4
3 2	—	32	2.000-18	2.219	1.43	2.22	N/A	N/A	N/A	1.16	1.76	2.76	3.26	1.41	1.91	2 4
3 6	—	36	2.250-16	2.469	1.46	2.34	N/A	N/A	N/A	1.22	1.86	3.01	3.51	1.51	2.01	2 4
4 0	—	40	2.500-16	2.719	1.51	2.59	N/A	N/A	N/A	1.32	1.96	3.26	3.76	1.62	2.12	2 4
4 4	—	44	2.750-16	2.969	1.56	2.84	N/A	N/A	N/A	1.43	2.09	3.51	4.01	1.72	2.22	2 4
4 8	—	48	3.000-16	3.219	1.61	3.09	N/A	N/A	N/A	1.53	2.22	3.76	4.26	1.93	2.43	2 4
6 1	61	—	1.500-18	1.653	1.34	1.78	N/A	N/A	N/A	2.26	1.55	2.26	2.76	1.31	1.81	1 9

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY IDENT. PER MIL-STD-1285.
2. MATERIAL: COMPONENTS – ALUM. ALLOY OR SST

3. O’RING NOT REQUIRED PER AS85049 FIGURE 4.


4. SIZES PER MIL-DTL-5015 (3400 SERIES),
 MIL-DTL-26482 (SERIES 2), MIL-DTL-83723

5. (SERIES I & III), & NAS1599.
 SIZES PER MIL-DTL-81703, SERIES 3.



TABLE II – CONNECTOR CODE 70

SPL MIL-DTL-38999, MINIATURE CONNECTOR

ORDER NO.	A UNIFIED THD. CLASS 2B	B MAX. DIA.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.	H MAX.	J MAX.	K MAX.	L MAX.	M MAX.	N MAX.	COUPLING  TORQUE VALUE	
														MIN	MAX.
0 5	.250-32	.470	1.250	.875	N/A	N/A	N/A	.542	1.125	N/A	N/A	N/A	N/A	13	17
0 6	.312-32	.577	1.250	.875	N/A	N/A	N/A	.542	1.167	N/A	N/A	N/A	N/A	18	22
1 1	.375-28	.637	1.312	.875	N/A	N/A	N/A	.570	1.179	N/A	N/A	N/A	N/A	35	45
0 7	.438-28	.637	1.312	.875	N/A	N/A	N/A	.570	1.179	N/A	N/A	N/A	N/A	30	40
0 8	.500-28	.700	1.312	.875	N/A	N/A	N/A	.580	1.192	N/A	N/A	N/A	N/A	30	40
0 9	.562-24	.758	1.375	1.000	N/A	N/A	N/A	.590	1.205	N/A	N/A	N/A	N/A	35	45
1 0	.625-24	.819	1.375	1.000	N/A	N/A	N/A	.610	1.218	N/A	N/A	N/A	N/A	35	45
1 2	.688-24	.896	1.438	1.125	N/A	N/A	N/A	.640	1.244	N/A	N/A	N/A	N/A	35	45
1 3	.750-20	.930	1.438	1.125	N/A	N/A	N/A	.660	1.257	N/A	N/A	N/A	N/A	35	45
1 4	.938-20	1.137	1.562	1.375	N/A	N/A	N/A	.690	1.270	N/A	N/A	N/A	N/A	35	45
1 7	1.188-18	1.375	1.625	1.500	N/A	N/A	N/A	.720	1.310	N/A	N/A	N/A	N/A	35	45

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY IDENT. PER MIL-STD-1285.
2. MATERIAL: COMPONENTS – ALUM. ALLOY OR SST
 O’RING – SILICONE

 VALUES LISTED ARE IN INCH-LBS

4. A SETUP CONFIG WILL BE SUPPLIED WHEN ENTRY EXCEEDS CONNECTOR INSERT DIAMETER



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)

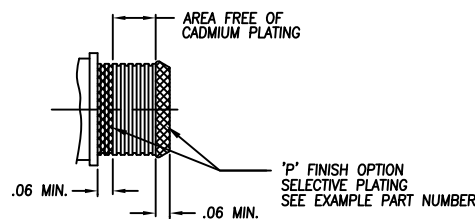


FIGURE 2



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°