ELECTRO ADAPTER INC.
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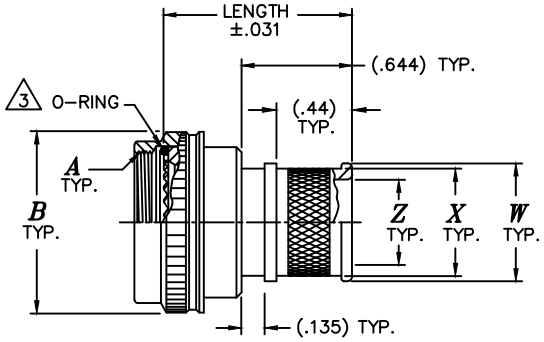
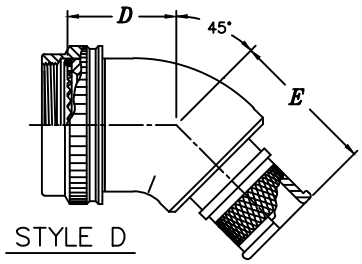
SECTION 2 - BANDING TERMINATION

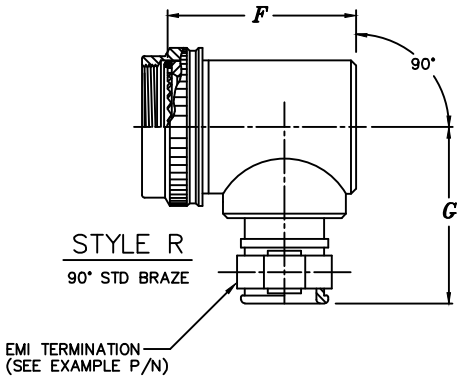
EMI BANDING ADAPTER
ENTRY SPECIFICATION SHEET



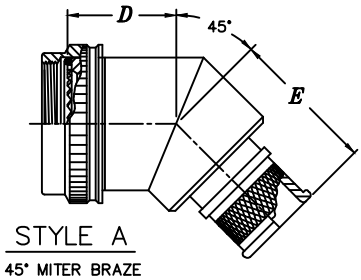
STYLE S



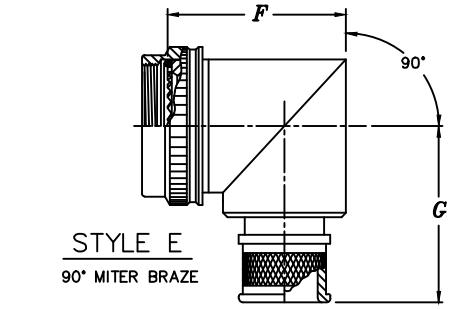
STYLE D
45° TUBE BRAZE



STYLE R
90° STD BRAZE



STYLE A
45° MITER BRAZE



STYLE E
90° MITER BRAZE

Example Part Number

27141S161010855S

- 27 — BASIC ADAPTER NUMBER
- 141 — STYLE: S = STRAIGHT, A = 45°, R = 90°
- S — ORDER NO. PER TABLE II
- 16 — TABLE III – CABLE/HARNESS ENTRY DATA
- 10 — LENGTH CODE NUMBER
- 10 — TERMINATION NUMBER
- 855 — PLATING CODE NUMBER
- S — ADD 'S' FOR SELF-LOCKING COUPLING

TABLE I – CONNECTOR CODE

MILITARY SPECIFICATION	SERIES	CODE NO.
MIL-C-5015	3100	18
MIL-C-26482	1	21
MIL-C-26482	I (07)	24
MIL-C-38999	III & IV	40
MIL-C-38999	I & II	41
MIL-C-26482	2	54
MIL-C-5015G	3400	54
MIL-C-81703	3	54
MIL-C-83723	I	54
MIL-C-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 III – CABLE/HARNESS ENTRY DATA

ENTRY ORDER NO.	EMP BAND Z +.010 -.020 DIA.	X ±.015 DIA.	W ±.010 DIA.
02	.125	.250	.312
03	.188	.312	.375
04	.250	.375	.438
05	.312	.438	.500
06	.375	.500	.562
07	.438	.562	.625
08	.500	.625	.688
09	.562	.688	.750
10	.625	.750	.812
12	.750	.875	.938
13	.812	.937	1.000
14	.875	1.000	1.062
16	1.000	1.125	1.188
17	1.062	1.188	1.250
18	1.125	1.250	1.312
19	1.188	1.313	1.375
20	1.250	1.375	1.438
22	1.375	1.500	1.562
23	1.438	1.562	1.625
24	1.500	1.625	1.688

PLATING CODE NUMBER

13 = ZINC COLBALT, OLIVE DRAB, PER ASTM B840-99
55 = CADMIUM, OLIVE DRAB, PER SAE AMS-QQ-P-416, TYPE II, CLASS 3, OVER ELECTROLESS NICKEL PER AMS-C-26074, CLASS 3 OR 4, GRADE B
10 = PASSIVATE, PER SAE AMS-QQ-P-35 (MATERIAL=SST)

FOR ADDITIONAL FINISH OPTIONS, SEE CATALOG TABLE 4.

LENGTH CODE NUMBER

SELECT LENGTH IN 1/4" INCREMENTS (ie; 08=2.00", 09=2.25", etc.)
00 FOR 45° & 90° ADAPTERS (STYLES A & R)

MIN. AVAIL. LENGTH	CONNECTOR CODES (TABLE I)
1.000	40, 41, 54,
1.250	18, 21, 24, 76, 78
1.500	64

TERMINATION NUMBER

1 = ADAPTER ONLY
4 = ADAPTER w/ 1/4" EMP BAND (REF. 214L0002)
5 = ADAPTER w/ 1/4" EMP BAND AND SHRINK BOOT
6 = ADAPTER w/ 1/8" EMP BAND (ENTRY 13-24 CUSTOMER SUPPLIED)
7 = ADAPTER w/ 1/8" EMP BAND (ENTRY 13-24 CUSTOMER SUPPLIED)
8 = ADAPTER w/ 1/8" EMP BAND (REF. 214L0005)
9 = ADAPTER w/ 1/4" EMP BAND (A10086)

CONSULT FACTORY FOR TERMINATION NUMBER NOT SHOWN

*THIS DOCUMENT INCOMPLETE WITHOUT "INTERFACE SPECIFICATION SHEET & SHEET 3".

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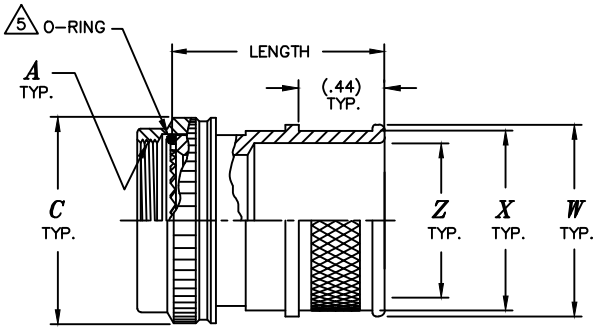


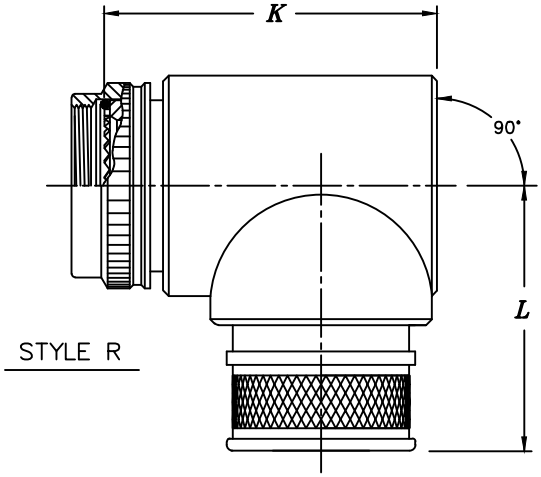
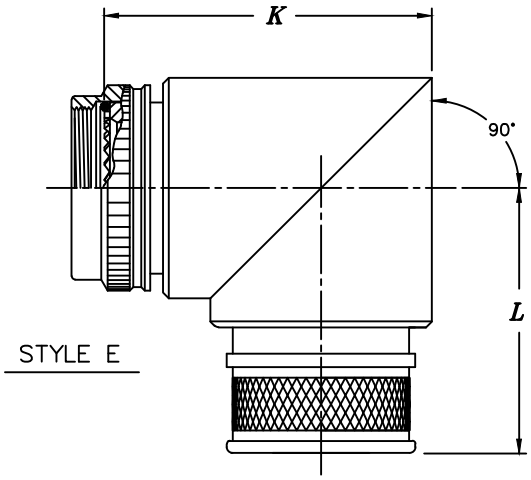


TABLE III – OVERSIZE ENTRY DATA

ENTRY ORDER NO.	*K* MAX.	*L* MAX.
0 5	1.375	1.375
0 6	1.375	1.375
0 7	1.500	1.438
0 8	1.500	1.438
0 9	1.625	1.500
1 0	1.625	1.500
1 2	1.750	1.562
1 3	1.875	1.562
1 4	1.875	1.625
1 6	2.000	1.688
1 7	2.125	1.688
1 8	2.125	1.750
1 9	2.250	1.812
2 0	2.250	1.812
2 2	CONSULT FACTORY	
2 3	FOR THESE	
2 4	ENTRY SIZES	



CONSULT FACTORY
FOR STYLE
A & D

*THIS DOCUMENT INCOMPLETE WITHOUT "ENTRY SPECIFICATION SHEET & INTERFACE SHEET".

TABLE II – CONNECTOR CODE 54

MIL–C–26482, SERIES 2
MIL–C–5015G, 3400 SERIES
MIL–C–81703, SERIES 3
MIL–C–83723, SERIES I & III
NAS1599

ORDER NO.	SHELL SIZE		*A* UNIFIED THD. CLASS 2B	*B* MAX. DIA.	*D* MAX.	*E* MAX.	*F* MAX.	*G* MAX.	△4.
	△6	△5							
0 3	3	–	.562–24	.669	.55	1.15	.84	1.38	0 4
0 8	–	8,8S	.500–20	.617	.55	1.15	.84	1.38	0 4
1 0	–	10,10S,10SL	.625–24	.734	.57	1.17	.97	1.44	0 6
1 2	7	12,12S	.750–20	.858	.60	1.20	1.09	1.50	0 8
1 4	12	14,14S	.875–20	.984	.61	1.21	1.22	1.56	0 9
1 6	19	16,16S	1.000–20	1.112	.64	1.24	1.34	1.63	1 2
1 8	27	18	1.062–18	1.218	.65	1.25	1.34	1.63	1 2
2 0	37	20	1.188–18	1.345	.68	1.28	1.47	1.69	1 4
2 2	–	22	1.312–18	1.468	.70	1.30	1.59	1.75	1 6
2 4	–	24	1.438–18	1.593	.73	1.33	1.72	1.81	1 8
2 8	–	28	1.750–18	1.969	.78	1.38	1.97	1.88	2 4
3 2	–	32	2.000–18	2.219	.83	1.43	2.22	2.00	2 4
3 6	–	36	2.250–16	2.469	.86	1.46	2.34	2.13	2 4
4 0	–	40	2.500–16	2.719	.91	1.51	2.59	2.25	2 4
4 4	–	44	2.750–16	2.969	.96	1.56	2.84	2.38	2 4
4 8	–	48	3.000–16	3.219	1.01	1.61	3.09	2.50	2 4
6 1	61	–	1.500–18	1.653	.74	1.34	1.78	1.88	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.

△4. WHEN ENTRY SIZE EXCEEDS CONNECTOR INSERT DIAMETER A STEP–UP CONFIGURATION WILL BE SUPPLIED. SEE SHEET 3

△5. SIZES PER MIL–C–5015 (3400 SERIES), MIL–C–26482 (SERIES 2), MIL–C–83723

△6. (SERIES I & III), & NAS1599. SIZES PER MIL–C–81703, SERIES 3.

*THIS DOCUMENT INCOMPLETE WITHOUT "ENTRY SPECIFICATION SHEET & SHEET 3".

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SUPPORT DATA

STANDARD FINISHES & MATERIALS

TABLE IV

STANDARD FINISHES ⚠2.

PLATING CODE	FINISH	SPECIFICATION	ACCESSORY MATERIAL	CORROSION ⚠1. 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 ⚠7 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
⚠2. CONSULT FACTORY FOR OTHER FINISHES
⚠3. 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)
⚠7. CADMIUM/NICKEL INTERFACE SHALL BE COATED WITH POLYSULFIDE SEALANT (REF FIGURE 2 BELOW)

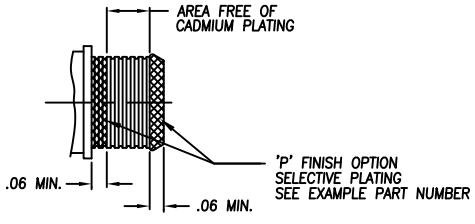

FIGURE 2

ELECTRO ADAPTER INC.
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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°

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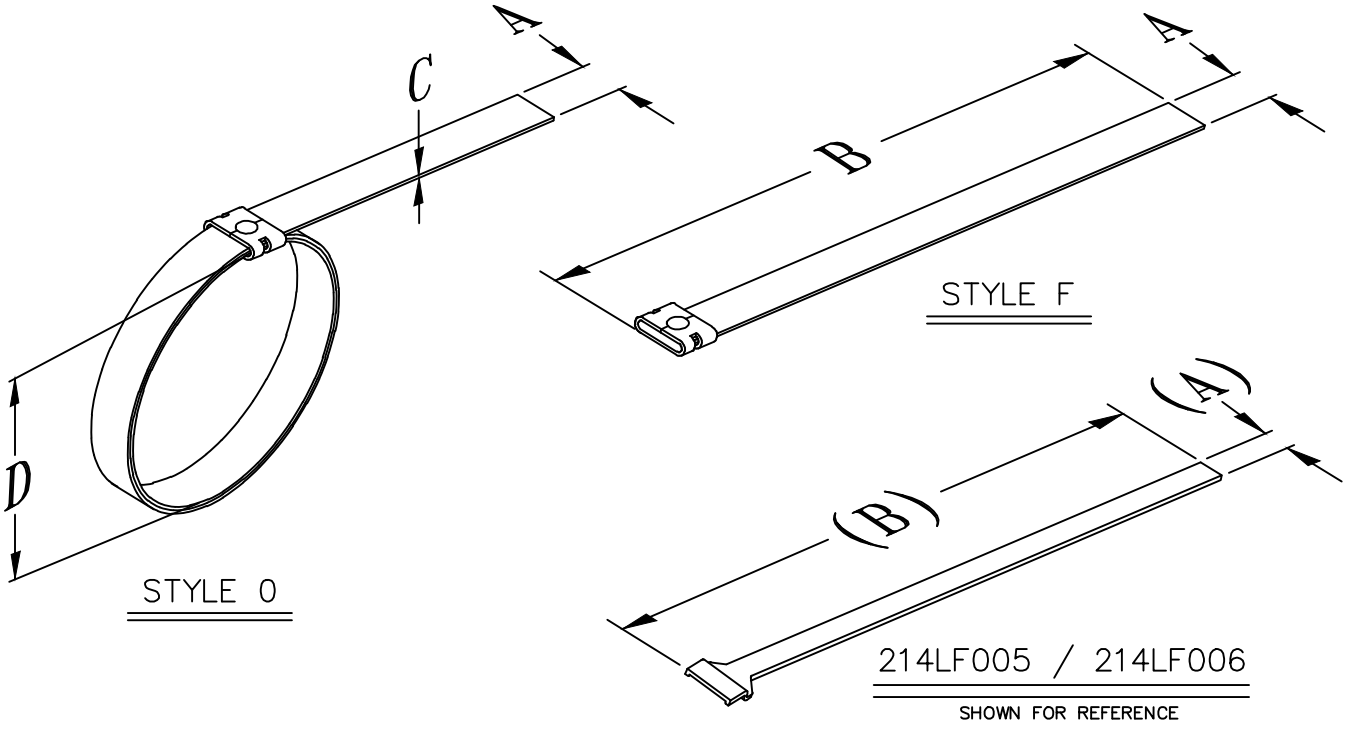
SECTION 2 - BANDING TERMINATION WIRE HARNESS ACCESSORIES , ELECTRICAL , EMI / RFI / EMP , SHIELD TERMINATION BAND, PER AS85049 CATEGORY 7



Example Part Number

214LF002

BASIC ADAPTER NUMBER

CONFIGURATION
O = SUPPLIED COILED
F = SUPPLIED FLAT

	BAND DATA				ØD APPROX.	
	ORDER NUMBER	A MAX.	B REF.	C REF.	FULL OPEN	MIN. INSTALLED
5.	002	.25	12.00	.019	1.50	.156
6.	005	.12	8.125	.015	.88	.125
7.	006	.25	14.25	.019	1.80	.156

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY IDENT. PER MIL–STD–1285
2. MATERIAL: 300 SERIES STAINLESS STEEL
3. FINISH: PASSIVATE PER SAE AMS2700D
4. BANDS MUST BE DOUBLE WRAPPED.
5. EXTENDED LENGTHS AVAILABLE CONSULT FACTORY REGARDING THIS OPTION
6. INSTALL USING BAND–IT © TOOL #A30199
7. INSTALL USING BAND–IT © TOOL #A40199
8. BAND(S) COME BAGGED AND TAG IN QTY(S) FROM 1 TO 100
9. PRODUCT(S) MAY LOOK DIFFERENT THEN SHOWN
10. BAND(S) MEET REQUIREMENTS OF AS85049/128