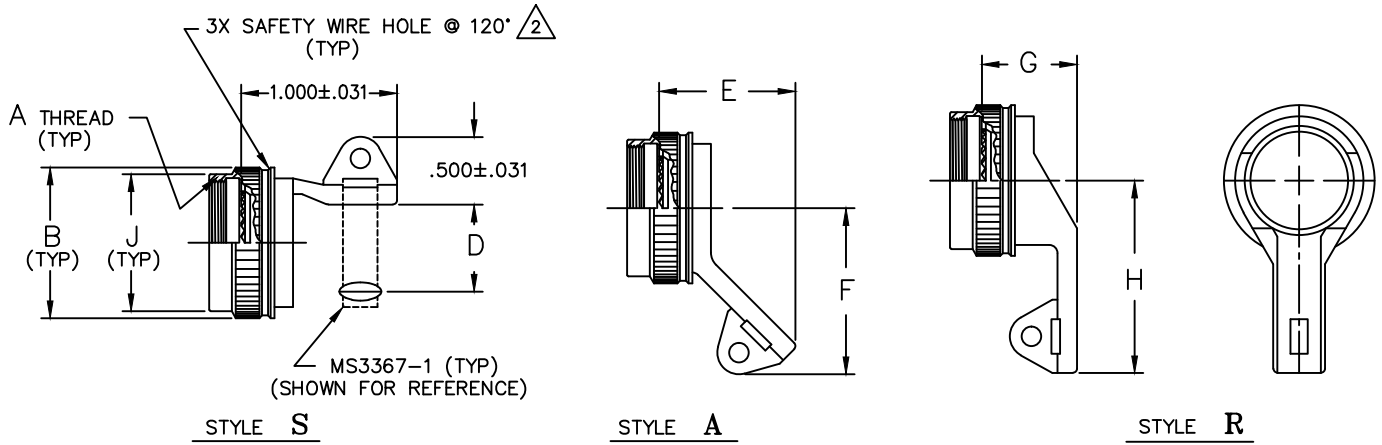




ELECTRO ADAPTER INC.
 CHATSWORTH, CALIFORNIA, USA 91311
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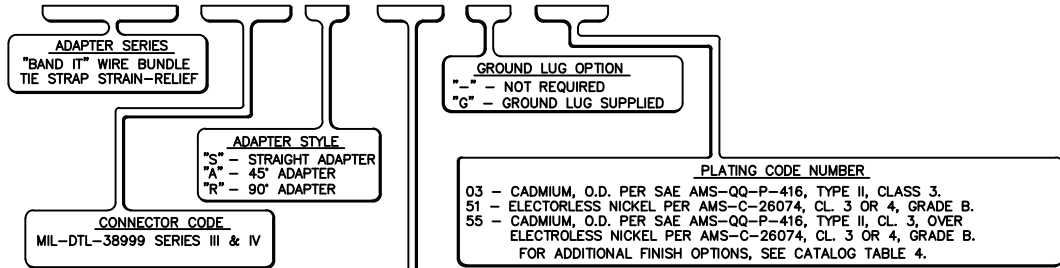
**SECTION 4 - OPEN FRAME ADAPTER
 "BAND IT" WIRE BUNDLE,
 TIE STRAP RELIEF, GROUND LUG
 MIL - DTL - 38999, SERIES III & IV**

10540
 SHEET 1 OF 1



Example Part Number

1 0 5 4 0 R 1 2 G 5 5 ² ³ ⁴ ⁵



DASH NUMBER	SHELL SIZE		A METRIC THD CLASS 6H	ØB MAX OD	D MAX CABLE ENTRY	E MAX	F MAX	G ±.031	H ±.031	ØJ MAX
	COM'L	MIL								
0 8	9	A	M12 X 1.0	.719	.264	1.156	.875	.625	.906	.567
1 0	11	B	M15 X 1.0	.844	.392	1.156	.875	.625	.969	.704
1 2	13	C	M18 X 1.0	.969	.506	1.156	.938	.625	1.031	.829
1 4	15	D	M22 X 1.0	1.094	.631	1.656	1.250	.688	1.094	.954
1 6	17	E	M25 X 1.0	1.219	.756	1.656	1.312	.688	1.174	1.079
1 8	19	F	M28 X 1.0	1.344	.845	1.750	1.375	.688	1.299	1.203
2 0	21	G	M31 X 1.0	1.469	.970	1.812	1.500	.750	1.424	1.329
2 2	23	H	M34 X 1.0	1.594	1.095	1.812	1.688	.750	1.549	1.454
2 4	25	J	M37 X 1.0	1.719	1.220	1.969	1.750	.750	1.674	1.579

NOTES: UNLESS OTHERWISE SPECIFIED.

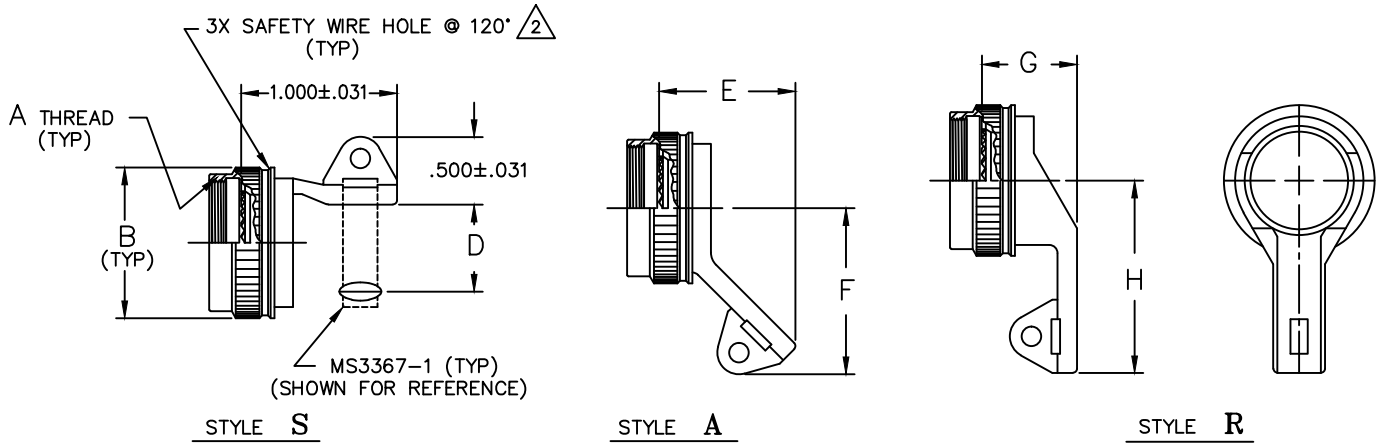
- ASSEMBLY IDENTIFICATION PER MIL-STD-1285.
- ² ADD 'W' IN PART NUMBER FOR COUPLING NUT WITH WIRE HOLES. OMIT 'W' IF NOT REQUIRED.
- ³ ADD 'L' IN PART NUMBER FOR SELF-LOCKING COUPLING NUT.
- ⁴ ADD 'V' TO END OF PART NUMBER FOR 'A' THREAD COATED WITH VIBRATITE 205.
- ⁵ ADD 'T' TO END OF PART NUMBER FOR 6-32 TAP IN GROUND LUG.



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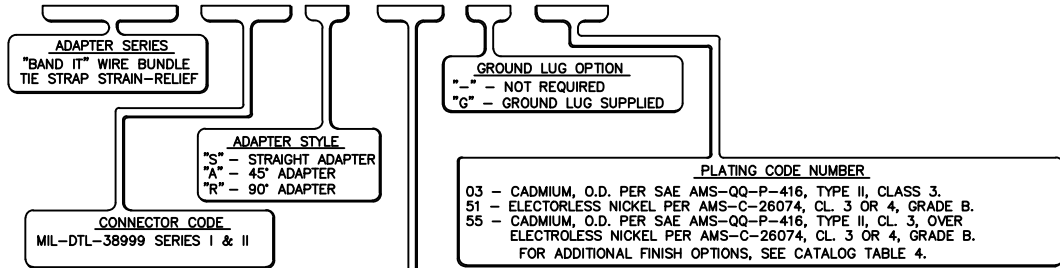
**SECTION 4 - OPEN FRAME ADAPTER
 "BAND IT" WIRE BUNDLE,
 TIE STRAP RELIEF, GROUND LUG
 MIL - DTL - 38999, SERIES I & II**

10541
 SHEET 1 OF 1



Example Part Number

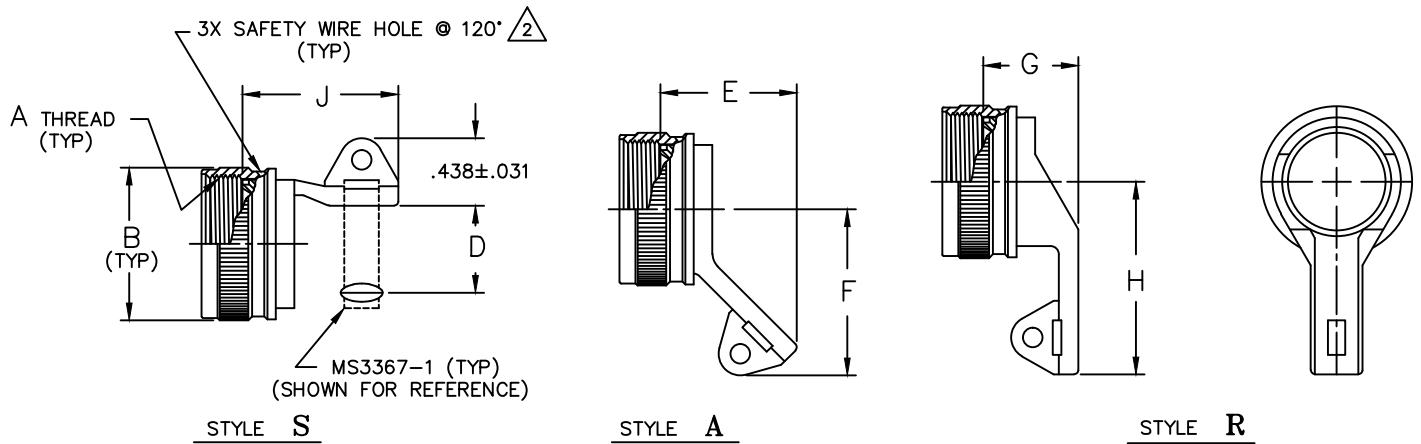
10541R12G55²³⁴⁵



DASH NUMBER	SHELL SIZE		A UNIFIED CLASS	THD 2B	ØB MAX OD	D MAX CABLE ENTRY	E MAX	F MAX	G ±.031	H MAX
	COM'L	MIL								
0 8	8	9	M12 X 1.0		.703	.264	1.156	.875	.625	.890
1 0	10	11	M15 X 1.0		.827	.392	1.156	.875	.625	.950
1 2	12	13	M18 X 1.0		.953	.506	1.156	.938	.625	1.010
1 4	14	15	M22 X 1.0		1.077	.631	1.656	1.250	.688	1.310
1 6	16	17	M25 X 1.0		1.203	.756	1.656	1.312	.688	1.390
1 8	18	19	M28 X 1.0		1.327	.845	1.750	1.375	.688	1.470
2 0	20	21	M31 X 1.0		1.453	.970	1.812	1.500	.750	1.510
2 2	22	23	M34 X 1.0		1.577	1.095	1.812	1.688	.750	1.570
2 4	24	25	M37 X 1.0		1.703	1.220	1.969	1.750	.750	1.640

NOTES: UNLESS OTHERWISE SPECIFIED.

- ASSEMBLY IDENTIFICATION PER MIL-STD-1285.
- ADD 'W' IN PART NUMBER FOR COUPLING NUT WITH WIRE HOLES. OMIT 'W' IF NOT REQUIRED.
- ADD 'L' IN PART NUMBER FOR SELF-LOCKING COUPLING NUT.
- ADD 'V' TO END OF PART NUMBER FOR 'A' THREAD COATED WITH VIBRATITE 205.
- ADD 'T' TO END OF PART NUMBER FOR 6-32 TAP IN GROUND LUG.



Example Part Number

1 0 5 5 4 R 1 2 G 5 5 ^{△2} ^{△3} ^{△6} ^{△7}

ADAPTER SERIES
"BAND IT" WIRE BUNDLE
TIE STRAP STRAIN-RELIEF

ADAPTER STYLE
"S" - STRAIGHT ADAPTER
"A" - 45° ADAPTER
"R" - 90° ADAPTER

GROUND LUG OPTION
"-" - NOT REQUIRED
"G" - GROUND LUG SUPPLIED

PLATING CODE NUMBER
03 - CADMIUM, O.D. PER SAE AMS-QQ-P-416, TYPE II, CLASS 3.
51 - ELECTROLESS NICKEL PER AMS-C-26074, CL. 3 OR 4, GRADE B.
55 - CADMIUM, O.D. PER SAE AMS-QQ-P-416, TYPE II, CL. 3, OVER
ELECTROLESS NICKEL PER AMS-C-26074, CL. 3 OR 4, GRADE B.
FOR ADDITIONAL FINISH OPTIONS, SEE CATALOG TABLE 4.

CONNECTOR CODE
MIL-C-81703(SERIES 3), MIL-DTL-83723(SERIES 1 & 3),
MIL-DTL-5015(CRIMP), MIL-DTL-26482(SERIES 2) & MAS1599

DASH NUMBER	SHELL SIZE		A UNIFIED THD CLASS 2B	ØB MAX OD	D MAX CABLE ENTRY	E REF	F REF	G ±.031	H ±.031	J ±.031
	^{△4}	^{△5}								
0 3	3		.562-24UNEF	.669	.260	.805	1.100	.625	.906	.875
0 8		8 & 8S	.500-20UNEF	.617	.260	.805	1.100	.625	.906	.875
1 0		10, 10S & 10SL	.625-24UNEF	.734	.365	.805	1.100	.625	.969	.875
1 2	7	12 & 12S	.750-20UNEF	.858	.501	.805	1.100	.625	1.031	.875
1 4	12	14 & 14S	.875-20UNEF	.984	.575	.985	1.200	.688	1.094	1.125
1 6	19	16 & 16S	1.000-20UNEF	1.112	.700	.985	1.200	.688	1.174	1.125
1 8	27	18	1.062-18UNEF	1.218	.779	1.005	1.300	.688	1.174	1.125
2 0	37	20	1.188-18UNEF	1.345	.904	1.005	1.300	.750	1.299	1.125
2 2		22	1.312-18UNEF	1.468	1.029	1.005	1.400	.750	1.424	1.250
2 4		24	1.438-18UNEF	1.593	1.144	1.065	1.400	.750	1.549	1.250
2 8		28	1.750-18UNS	1.969	1.379	.973	1.500	.750	1.862	1.438
3 2		32	2.000-18UNS	2.219	1.625	.973	1.500	.750	2.112	1.438
3 6		36	2.250-16UN	2.469	1.840	1.149	1.688	N/A	N/A	1.438
4 0		40	2.500-16UN	2.719	2.050	1.325	1.944	N/A	N/A	1.438
4 4		44	2.750-16UN	2.969	2.310	1.501	2.125	N/A	N/A	1.438

- NOTES: UNLESS OTHERWISE SPECIFIED.
1. ASSEMBLY IDENTIFICATION PER MIL-STD-1285.
 - ^{△2} ADD 'W' IN PART NUMBER FOR COUPLING NUT WITH WIRE HOLES. OMIT 'W' IF NOT REQUIRED.
 - ^{△3} ADD 'L' IN PART NUMBER FOR SELF-LOCKING COUPLING NUT.
 - ^{△4} SHELL SIZES PER MIL-C-81703, SERIES 3, CLASS E & L. MS3424, 46, 64, 67 & 68.
 - ^{△5} 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.
 - ^{△6} ADD 'V' TO END OF PART NUMBER FOR 'A' THREAD COATED WITH VIBRATITE 205.
 - ^{△7} ADD 'T' TO END OF PART NUMBER FOR 6-32 TAP IN GROUND LUG.



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)

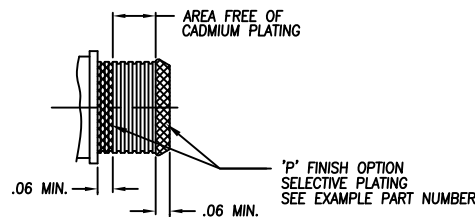


FIGURE 2



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 = $\pm .2$
 - .XX = $\pm .12$
 - .XXX = $\pm .062$
 - X° = $\pm 10^\circ$