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DWG NO. 010380Y0001

SH 1

REV -

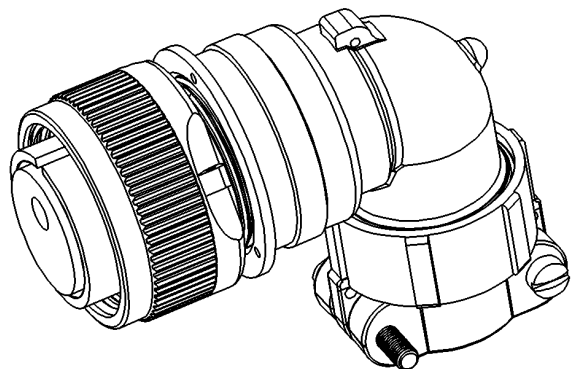
REVISIONS

REV	DESCRIPTION	DATE	APPROVAL

NOTES: UNLESS OTHERWISE SPECIFIED

1. MARK "ITT CANNON", IDENTIFICATION PART NUMBER AND DATE CODE, .047 MIN HIGH.
2. LUBRICATE INTERNAL COUPLING RING THREADS ONLY (NO EXTERNAL OR ENDBELL THREADS). ALSO LUBRICATE INTERNAL DIAMETER OF FERRULE LIGHTLY WITH MIL-G-23827 OR EQUIVALENT.
3. PLUGS SHIPPED AND STORED WITH ENDBELLS LOOSELY COUPLED.
4. FOR AVAILABLE INSERT ARRANGEMENTS, ALTERNATE POSITIONS, SERVICE RATINGS AND CONTACT SIZE, REFER TO MIL-STD-1651 OR CANNON CSA DWG'S OR CONSULT FACTORY.
5. THIS CONNECTOR MEETS THE REQUIREMENTS OF MIL-C-5015, CLASS E.
6. CONTACTS AND INSULATOR BONDED IN PLACE EXCEPT CONTACTS FOR CODE "F80" ARE NOT COATED WITH ADHESIVE AND ARE SUPPLIED WITH, BUT NOT INSTALLED IN CONNECTOR.
7. SOLDER POT MILL CUTS ORIENTED FACE UP WITH RELATION TO LETTERING ON REAR FACE OF INSULATOR.
8. EXPLANATION OF CODES-(TYP. EXAMPLES), CONSULT FACTORY FOR OTHER MODIFICATIONS.
A) A115 = HEAVY GOLD PLATE ON CONTACTS, .0001 MIN. THICKNESS OVER SILVER
B) C22 = RESILIENT PARTS OF SILICONE SYNTHETIC RUBBER
C) F0 = CONNECTOR WITHOUT CONTACTS
D) F74 = 1/16 GASKET UNDER COUPLING NUT
E) F80 = CRIMP CONTACTS
F) F84 = A115 CONTACTS WITH GASKET UNDER COUPLING NUT
G) F188 = CONNECTOR SUPPLIED WITH MS3420 BUSHING(S)
H) K130 = F80 + F188
9. THE ADDITION OF A CODE SUFFIX (A115, A95, ETC.) DENOTES A MATERIAL, PLATING OR A MECHANICAL VARIATION, PROHIBITS THE USE OF THE "MS" PREFIX. THEREFORE, WHEN A CODE IS USED, THE CONNECTOR WILL BE ASSIGNED A "CA" PART NUMBER.
10. THESE AREAS MAY DEVIATE SLIGHTLY FROM CONFIGURATION SHOWN DUE TO MANUFACTURING METHODS.
11. 1 BUSHING FOR SIZES 10SL, 12S, 16, AND 20, 2 BUSHINGS FOR SIZE 24.

9	11	BUSHING(S)	POLYCHLOROPRENE PER QQ-R-3065	NONE
8	I	GROMMET		
7	I	INSULATOR		
6	I	GLAND CLAMP ASSY. HARDWARE	ALUMINUM ALLOY PER QQ-A-225 OR QQ-A-591	OLIVE DRAB CHROMATE OVER CADMIUM PER QQ-P-416, TYPE II, CLASS 3
5	I	END BELL ASSY.		
4	I	BARREL		
3	I	NUT, COUPLING	NYLON PER MIL-N-18352	NONE
2	I	FERRULE		
1		CONTACT	COPPER ALLOY	SILVER PLATED PER QQ-S-365 (.0001 MIN.)
ITEM	NO. REQD.	DESCRIPTION	MATERIAL	FINISH



UNLESS OTHERWISE SPECIFIED: -DIMENSIONS AND TOLERANCES AS PER ASME Y14.5M-1994 -DIMENSIONS ARE IN INCHES AND [MM]. -REMOVE ALL BURRS AND SHARP EDGES .005 [0.13] MAX. -DO NOT SCALE DRAWING.		TOL DECIMALS .X ± .02 [0.51] .XX ± .01 [0.25] .XXX ± .005 [0.127] .XXXX ± .0005 [0.0127]	TOL ANGLES X° ± 1° SURFACE ROUGHNESS 63 [1.6] ✓	CRITICAL DIM SPC DIM KEY CHARACTERISTIC
DRAWN	Ian Long	DATE	01-23-03	SURFACE AREA
CHECKED	Steve Nguyen	DATE	01-31-03	REF
APPROVED	Neil Mahaffy	DATE	01-31-03	PART NO
SCALE		DESCRIPTION		
1.000		CONNECTOR, PLUG, ELECTRICAL, CA3108E-85 THRU 36 AIRBUS #NSA938925		
CAGE CODE		71468		
3RD ANGLE PROJECTION	SIZE D	USE C	SHEET I / I	REV -

D

C

B

A

D

C

B

A

AIRBUS INDUSTRIES PART NUMBER	ITT CANNON PART NUMBER	ITT CANNON DRAWING NUMBER	SIZE	A THREAD CLASS-2B	Q MAX	J	Z MAX	U MAX	L MAX	X MAX	JJ
NSA938925CHIS	CA3108E10SL-3S-K130	024283-0224	10SL	5/8-24 UNEF	.969	.531	.895	1.281	2.188	.310	.578 .531
NSA938925CGIS	CA3108E12S-3S-K130	024284-0222	12S	3/4-20 UNEF	1.062	.531	.895	1.281	2.188	.310	.578 .531
NSA938925CFIS	CA3108E16-11S-K130	024289-0216	16	1-20 UNEF	1.250	.718	1.180	1.531	2.781	.560	.766 .719
NSA938925CVS	CA3108E16-10S-K130	024289-0246									
NSA938925CMIS	CA3108E20-4S-K130	024291-0278	20	1 1/4-18 UNEF	1.469	.718	1.475	1.656	3.250	.748	.766 .719
NSA938925CMS	CA3108E24-10S-K130	024293-0236	24	1 1/2-18 UNEF	1.719	.718	1.715	1.890	3.719	.935	.766 .719

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