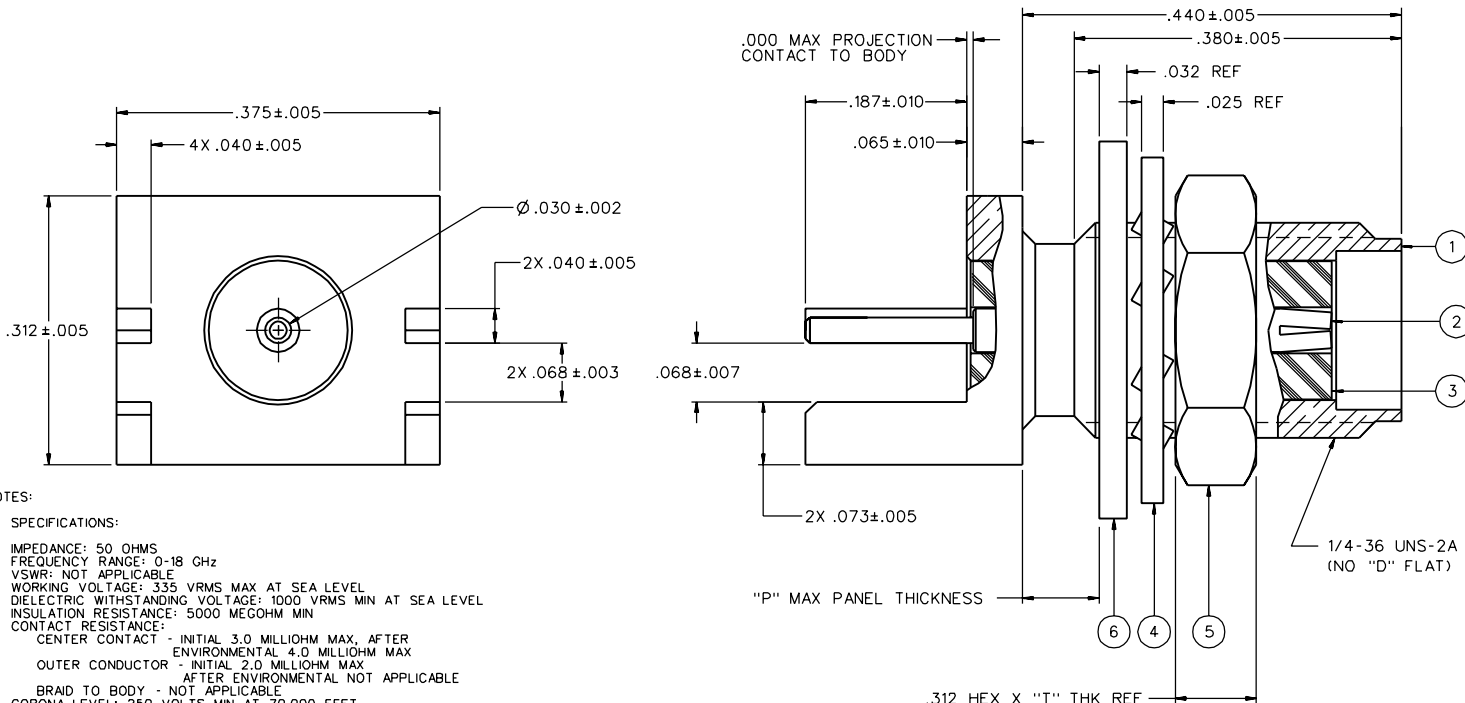


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ LOCKWASHER	ITEM ⑤ NUT	ITEM ⑥ FLAT WASHER	"P"	"T"
142-0701-871	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	—	.109	.094
142-0701-872	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	.078	.094
142-0701-873	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	—	.125	.062
142-0701-874	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	—	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	.125	.062
142-0701-875	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	—	—	—	—	—
142-0701-876	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRONZE NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN OVER	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN OVER	—	.109	.094
142-0701-877	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRONZE NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN OVER	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN OVER	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN OVER	.094	.062



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-18 GHz
 VSWR: NOT APPLICABLE
 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
 BRAID TO BODY - NOT APPLICABLE
 CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
 INSERTION LOSS: NOT APPLICABLE
 RF LEAKAGE: NOT APPLICABLE
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHZ

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
 OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
 SHOCK: MIL-STD-202, METHOD 213, CONDITION I
 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
 MATING TORQUE: 7-10 INCH POUNDS
 COUPLING PROOF TORQUE: NOT APPLICABLE
 COUPLING NUT RETENTION: NOT APPLICABLE
 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
 4 IN-OZ MIN RADIAL TORQUE
 CABLE ACCEPTABILITY: NOT APPLICABLE
 CABLE HEX CRIMP SIZE: NOT APPLICABLE
 CABLE RETENTION: NOT APPLICABLE
 DURABILITY: 500 CYCLES MIN

DRAWING NO.		C - 142-0701-871/880	
REVISIONS		0	
ENGINEERING RELEASE			
1	10-7-93	R H R P	10-12-93 ECO 42087
CHANGED: .380--.005 WAS .335--.005			
2	11-23-93	R H R P	12-1-93 ECO 42181
ADDED: PART NOS 142-0701-871 AND -876, NOTES 2 AND 3 CHANGED: .068--.007 WAS .068--.005, UPDATED GRAPHICS			
2a	2-25-94	R S T H P	3-2-94 ECO 42292
ADDED: WASHER AND NUT TO -871, -875 AND -876, 142-0701-872			
3	3-29-94	R H R P	3-30-94 ECN 42380
DELETED: -875, NOTE 3 TIN/ DIP LEGS			
3a	6-13-94	R H R P	6-21-94 ECN 42520
ADDED: .000 MAX PROJECTION, GULF AWAY FLANGE DETAIL, MAX PANEL THICKNESS CHANGED: 4X .040--.005 WAS 2X .040--.005 DELETED: .025--.010, NOTE 2, P/N 142-0701-871/880			
4	10-24-96	R H R P	ECN 44266
VERSION UPDATE			
5	3-1-99	R H R P	ECN 46209
ADDED: P/N 142-0701-872, ITEM 6 FLAT WASHER, "LOCK" TO ITEM 4, .025 REF, .312 HEX X .094 THK REF, .032 REF, "P" DIMENSION CHANGED: ITEM 4 BRONZE WAS BRASS, "P" MAX PANEL THICKNESS WAS .125			
6	11-25-02	R H R P	ECN 47962
ADDED: P/N 142-0701-873, DIM "T"			
6a	12-17-02	R H R P	12-18-02 ECN 48651
ADDED: P/N 142-0701-874			
6b	8-27-03	R H R P	ECN 48967
ADDED: P/N 142-0701-874			
* REVISION NUMBER FOLLOWED BY AN ALPHA *			
* CHARACTER INDICATES DRAWING CLARIFICATION *			
* CATION OR PART NUMBER ADDITION ONLY. *			
6c	9-9-03	R H R P	ECN 48998
ADDED: P/N 142-0701-875			
* REVISION NUMBER FOLLOWED BY AN ALPHA *			
* CHARACTER INDICATES DRAWING CLARIFICATION *			
* CATION OR PART NUMBER ADDITION ONLY. *			
6d	7-21-04	R H R P	8-3-04 ECN 49375

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSYS 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY	DATE	299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832
DECIMALS	RJB	9-27-93	
.XX	CHECKED BY	DATE	TITLE
.XXX	RJB	10-7-93	JACK ASSEMBLY END LAUNCH SMA
MATL	APPROVED BY	DATE	CODE NO.
FINISH	RJB	10-7-93	DRAWING NO.
	RELEASE DATE	10-12-93	C - 142-0701-871/880
			SCALE 10:1 U/M INCH SHEET 2 OF 2