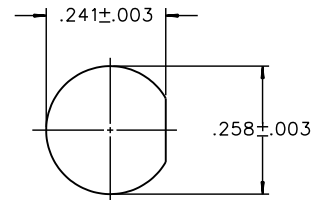
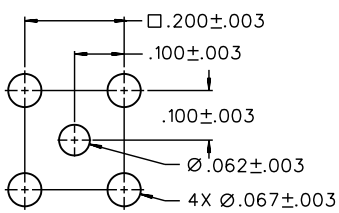
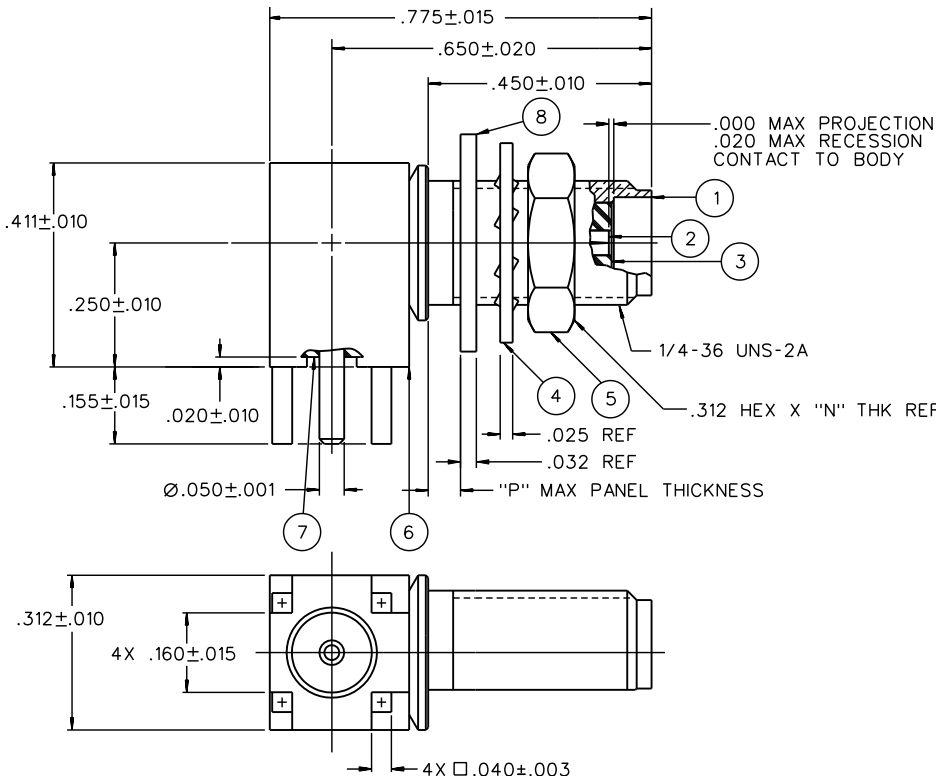


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT (ONE PIECE)	ITEM ③ BODY INSULATOR	ITEM ④ LOCK WASHER	ITEM ⑤ NUT	ITEM ⑥ ITEM BASE	ITEM ⑦ BASE INSULATOR	ITEM ⑧ FLAT WASHER	"N"	"P"
142-0701-501	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON		.094	.109
142-0701-502	BRASS GOLD PL .00001 MIN OVER 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			BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON		.094	.109
142-0701-503	BRASS GOLD PL .00001 MIN OVER 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		BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	.063	.125
142-0701-505	BRASS GOLD FLASH	BERYLLIUM COPPER GOLD FLASH	TEFLON		BRASS GOLD FLASH	BRASS GOLD FLASH	TEFLON	BRASS GOLD FLASH	.063	.125
142-0701-506	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	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON		.094	.109
142-0701-507	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		BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	.063	.125
142-0701-508	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	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	.094	.072



MOUNTING HOLE



MOUNTING HOLE LAYOUT

Please read our datasheet & drawing disclaimer [here](#).

- NOTES:
- 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 AT 4 AND 7 MHZ MIN
- 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
CABLE ACCEPTABILITY: NOT APPLICABLE
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: NOT APPLICABLE
DURABILITY: 500 CYCLES MIN
- 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

DRAWING NO. C - 142-0701-501/510	
0 REVISIONS	
WAS P/N 030-3362-579 ENGINEERING RELEASE	
01 03-15-89	04-12-89 ECO 23895
VERSION UPDATE.	
02 09-14-89	09-19-89 ECO 24146
VERSION UPDATE.	
03 09-14-89	10-25-89 ECO 24177
VERSION UPDATE.	
4 9-6-91	10-11-91 ECO 40551
CHANGED: .775±.015 WAS .837±.015, .312±.010 WAS DIA .375±.010, 4X .040±.003 WAS 4X .040±.003, RF HIGH POT 4 AND 7 MHZ WAS 5 MHZ	
9-29-92	10-6-92 ECO 41206
CHANGED: .411±.010 WAS .406±.010	
9-14-94	9-27-94 ECN 46271
ADDED: P/N 142-0701-502	
6a 2-17-97	ECN 44649
7 12-4-02	ECN 47942
ADDED: P/N 142-0701-503, TABULATED DIMENSIONS "N", "P" & "W"	
* REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIF. * * CATION OR PART NUMBER ADDITION ONLY. *	
7a 5-8-03	ECN 48803
ADDED: P/N 142-0701-507	
* REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIF. * * CATION OR PART NUMBER ADDITION ONLY. *	
7b 12-3-03	12-15-03 ECN 49089
ADDED: P/N 142-0701-508	
* REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIF. * * CATION OR PART NUMBER ADDITION ONLY. *	
7c 10-21-04	11-2-04 ECN 49495
ADDED: P/N 142-0701-505	
7d 4-25-14	4-25-14 ECO 54984
008 5-24-17	
5-24-17 ECO 56740	

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ASME Y 14.5M - 1994

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY Bedney	DATE 3-1-89		P.O. Box 1732 Waseca, MN 56093 1-800-247-8256
DECIMALS	CHECKED BY	DATE	TITLE	DRAWING NO.
.XX				
.XXX	APPROVED BY RJB	DATE 3-15-89	JACK ASSEMBLY, RA CP MOUNT BULKHEAD SMA	C - 142-0701-501/510
MATL				
FINISH	RELEASE DATE	10-25-89	SHEET	DRAWING NO.
U/M	INCH	SCALE	2 OF 2	C - 142-0701-501/510