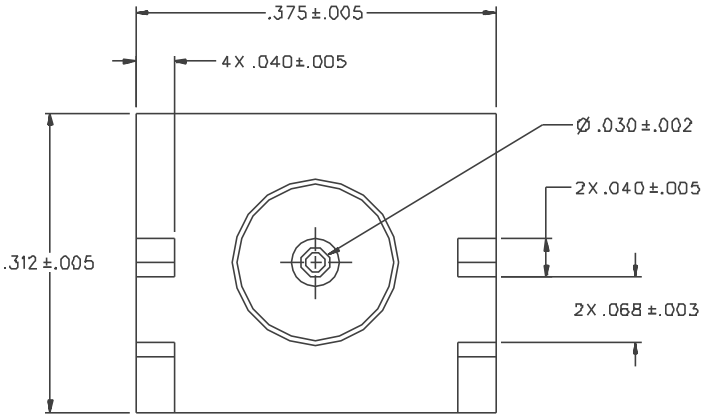
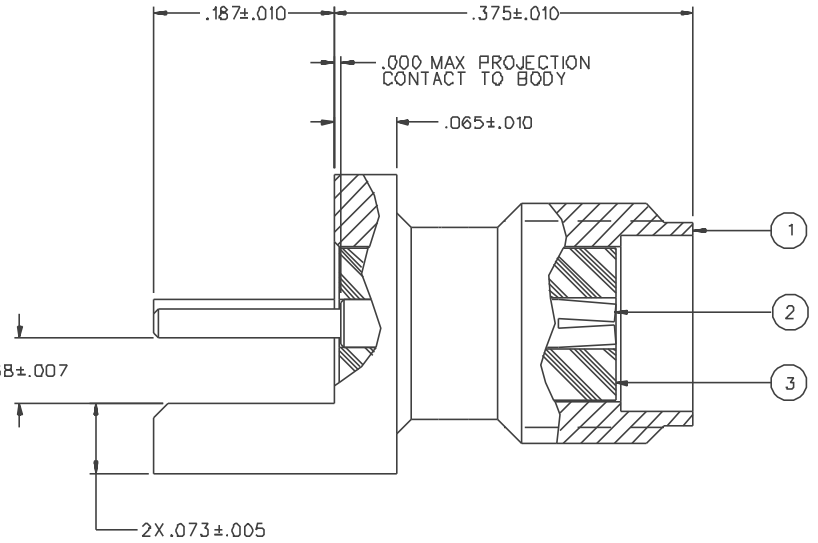
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR
142-0701-801	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON
142-0701-806	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON





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 7MHz

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

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 - 142-0701-801/810

0	REVISIONS			
	ENGINEERING RELEASE			
03	01-12-89	EJ		6-14-89 ECO 23856
	ADDED: 2X .075+-.005, .065+-.010, .187+-.010 DELETED: .573+-.015, .562+-.010 CHANGED: UPDATED GRAPHICS, .040+-.005 WAS +-.010.			
4	7-16-90			
	VERSION UPDATE			
5	9-6-91	R H		9-17-91 ECO 40532
	ADDED: NOTE 2, .025+-.010 CHANGED: 2X .068+-.003 WAS 2X .066+-.003			
6	10-21-92	R H		12-18-92 ECO 41345
	CHANGED: .068+-.007 WAS .068+-.006, UPDATED GRAPHICS			
6a	2-21-94	R H		3-8-94 ECO 42220
	CHANGED: -805 "B" .075/.055 WAS .068+-.007 AND "C" .071/.055 WAS .068+-.003			
6b	6-13-94	R H		6-21-94 ECN 42516
	ADDED: .000 MAX PROJECTION, CUT AWAY FLANGE DETAIL CHANGED: 2X .068+-.003 WAS 2X "C", .068+-.007 WAS "B", 4X .040+-.004 WAS 2X .040+-.004 DELETED: .025+-.005, NOTE 2, TABULATED DIMENSIONS "B" & "C" & REMARKS, P/N 142-0701-805			
7	10-24-96	R H		ECN 44272
	VERSION UPDATE			
8	2-26-99	R H		ECN 46211
	VERSION UPDATE			
	* REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. *			
8a	8-13-01			ECN 47953

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSI Y 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED DECIMALS .XX ___ mm .XXX ___ ___ MATL ___ FINISH ___	DRAWN BY EJ	DATE 1-12-89	Johnson Components Inc. 299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832
	CHECKED BY	DATE	TITLE JACK ASSEMBLY END LAUNCH SMA
	APPROVED BY RJB	DATE 6-12-89	
	APPROVED BY	DATE	CODE NO. DRAWING NO. C - 142-0701-801/810
	RELEASE DATE 6-14-89		SCALE 10:1 U/M INCH SHEET 2 OF 2