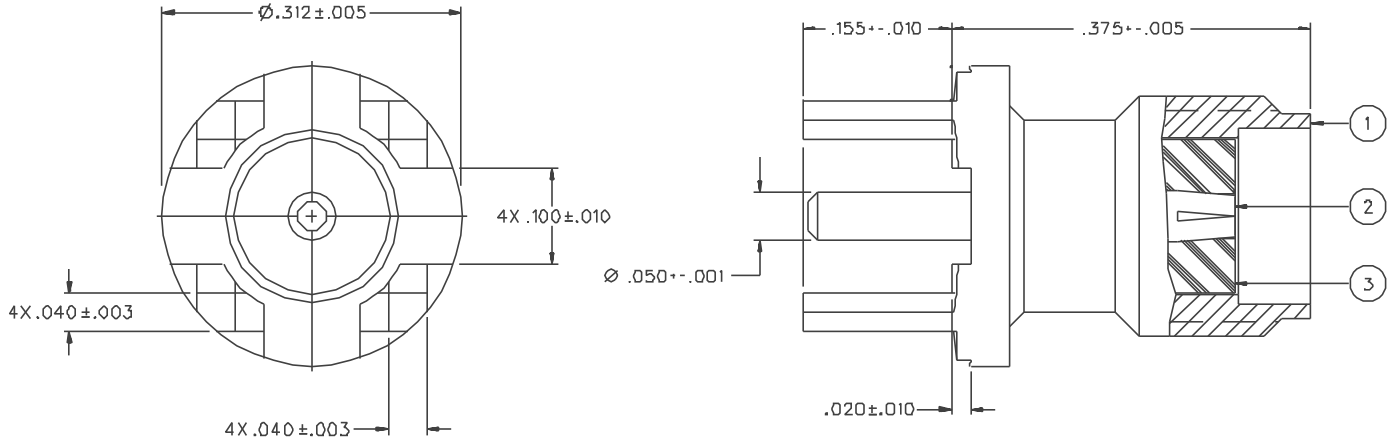
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR
142-0701-201	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON
142-0701-202	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON
142-0701-204	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	BERYLLIUM COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	TEFLON
142-0701-206	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:

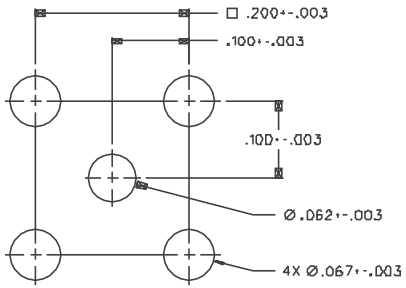
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-18 GHz
VSWR: NOT APPLICABLE
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM 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 7 MHz

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-C-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



MOUNTING HOLE LAYOUT

8:1

DRAWING NO. C - 142-0701-201/210

REVISIONS			
ENGINEERING RELEASE			
3	7-9-90	R H	8-14-90 ECO 24761
VERSION UPDATE			
4	9-24-91	R H	ECO 24788
ADDED: P/N 142-0701-202 NICKEL UNDERPLATE CHANGED: RF HIGH POT 4 AND 7 MHZ WAS 5 MHz			
5	2-5-93	R H	2-15-93 ECO 41570
CHANGED: UPDATED GRAPHICS			
5a	5-27-94	R H	6-20-94 ECN 42500
VERSION UPDATE			
5b	7-10-96	R H	7-17-96 ECN 44123
ADDED: P/N 142-0701-204			
5c	11-8-96	R H	ECN 44465
VERSION UPDATE			
6	2-23-99	R H	ECN 46214
CHANGED: 142-0701-204 COPPER CONTACT WAS BRASS			
6a	2-17-00	R H	2-29-00 ECN 46452
CHANGED: UPDATED GRAPHICS			
* REVISION NUMBER FOLLOWED BY AN ALPHA CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. *			
6b	12-8-00	R H	ECN 47324

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED DECIMALS / mm .XX .XXX MATL FINISH	DRAWN BY EJ	DATE 7-9-90	JOHNSON a cinch connectivity solutions brand Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waseca, MN 56093 1-800-247-8256
	CHECKED BY	DATE	TITLE: JACK ASSEMBLY, STRAIGHT PC MOUNT SMA
	APPROVED BY	DATE	
	APPROVED BY RJB	DATE 8-13-90	CODE NO. / DRAWING NO. C - 142-0701-201/210
	RELEASE DATE 8-14-90		SCALE 10:1 / U/M INCH / SHEET 2 OF 2

Please read our datasheet & drawing disclaimer here.