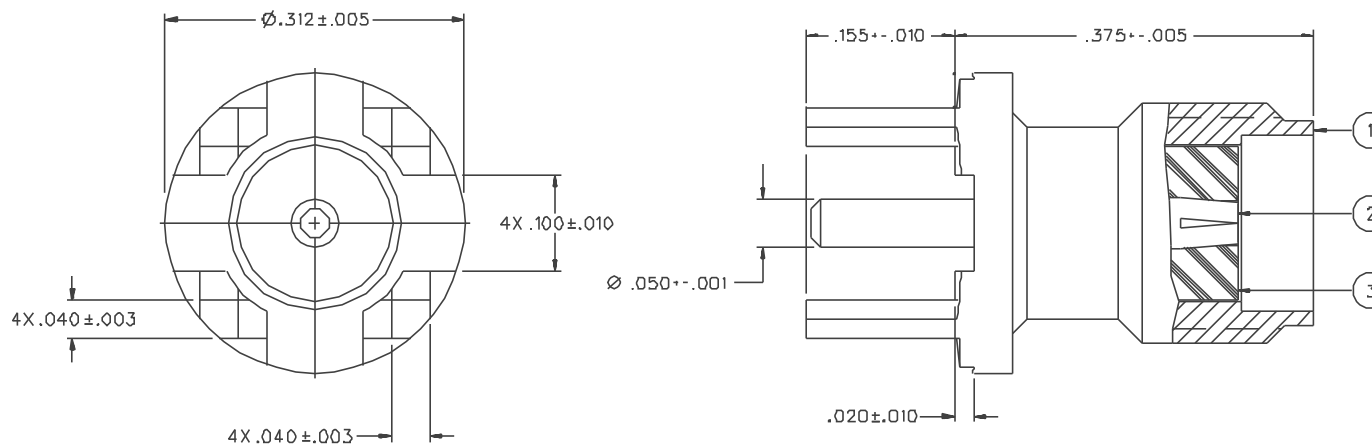


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR
142-D7D1-201	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON
142-D7D1-202	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON
142-D7D1-204	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	BERYLLIUM COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	TEFLON
142-D7D1-206	BRASS NICKEL PL .00011 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:

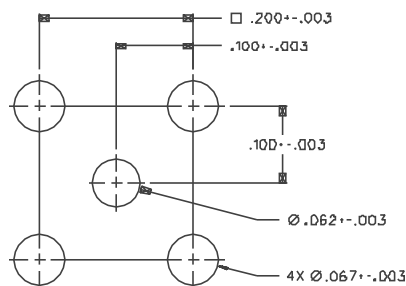
IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-18 GHz
 VSWR: NOT APPLICABLE
 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 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: ML-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	
0 REVISIONS	
ENGINEERING RELEASE	
3	7-9-90 ECO 24761
VERSION UPDATE	
4	9-24-91 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 ECO 41570
CHANGED: UPDATED GRAPHICS	
5a	5-27-94 ECN 42500
VERSION UPDATE	
5b	7-10-96 ECN 44123
ADDED: P/N 142-0701-204	
VERSION UPDATE	
5c	11-8-96 ECN 44465
VERSION UPDATE	
6	2-23-99 ECN 46214
CHANGED: 142-0701-204 COPPER CONTACT WAS BRASS	
6a	2-17-00 ECN 46452
CHANGED: UPDATED GRAPHICS	
* REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIF. * * CATION OR PART NUMBER ADDITION ONLY. *	
6b	12-8-00 ECN 47324

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY EJ	DATE 7-9-90	JOHNSON Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Worcester, MA 01605 1-800-247-8256	
DECIMALS .XX	CHECKED BY	DATE	TITLE JACK ASSEMBLY, STRAIGHT PC MOUNT SMA	
.XXX	APPROVED BY	DATE	CODE NO.	DRAWING NO. C - 142-0701-201/210
MATL	APPROVED BY RJB	DATE 8-13-90	SCALE 10:1	U/M INCH SHEET 2 OF 2
FINISH	RELEASE DATE	8-14-90		