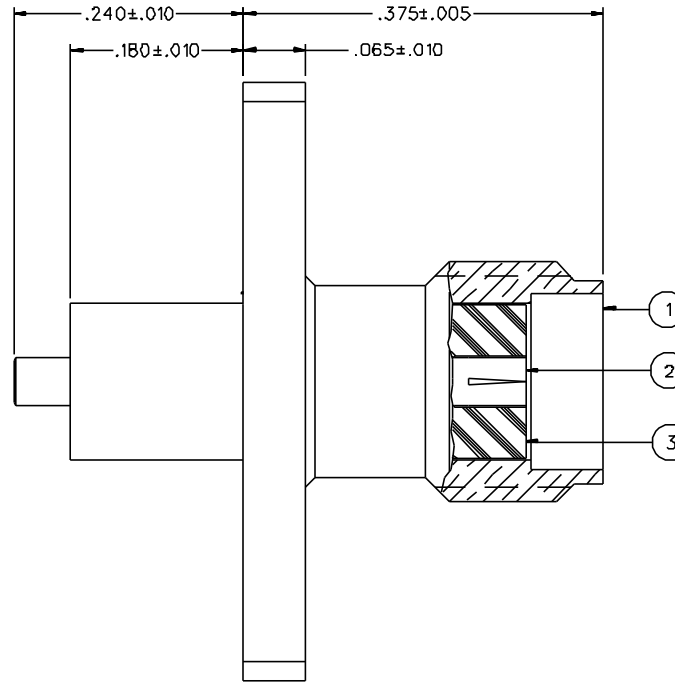
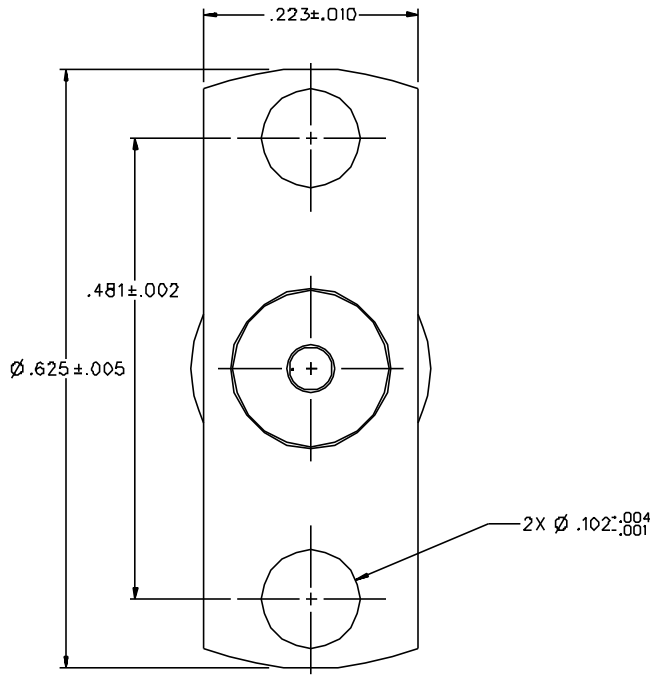


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR
142-1701-031	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON
142-1701-036	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	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: 1.15-.02F (F IN GHz)  
 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: .06 √ F (F IN GHz) AT 6 GHz  
 RF LEAKAGE: -60 DB MIN AT 2 TO 3 GHz  
 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 EXCEPT 200 DEG C HIGH TEMP  
 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


DRAWING NO. C - 142-1701-031/040			
0 REVISIONS			
ENGINEERING RELEASE			
1	10-7-93	R H P	10-12-93 ECO 42093
CHANGED: 0-18 GHZ WAS 0-6 GHZ, RF LEAK -60 DB WAS -90 DB			
1a	4-8-94	R H P	4-20-94 ECN 42415
CHANGED: .625±.005 WAS .546±.010, .481±.002 WAS .481±.005 DIA .102±.004 WAS DIA .105±.004 ADDED: .180±.010			
2	1-22-96	R H P	1-29-96 ECN 43863
ADDED: P/N 142-1701-031 CHANGED: UPDATED GRAPHICS			
* REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLASS * * CATION OR PART NUMBER ADDITION ONLY *			
2a	B-22-96	R H P	ECN 44141

CUSTOMER DRAWING

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

"µSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY RJB	DATE 9-28-93	 Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Worcester, MA 01609 1-800-247-8256	
DECIMALS .XX	CHECKED BY	DATE	TITLE JACK ASSEMBLY, 2 HOLE FLANGE MOUNT EXTENDED CONTACT, SMA	
MATL	APPROVED BY RJB	DATE 10-7-93	CODE NO.	DRAWING NO. C - 142-1701-031/040
FINISH	APPROVED BY	DATE	RELEASE DATE 10-12-93	SCALE 10:1   U/N INCH   SHEET 2 OF 2