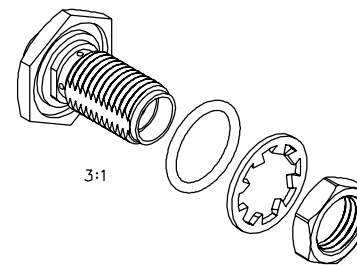
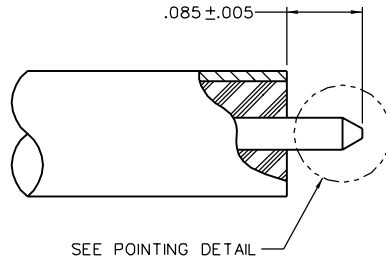


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ SEAL RING	ITEM ⑤ LOCK WASHER	ITEM ⑥ NUT
142-0594-431	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	SILICONE RUBBER	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-0594-436	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	SILICONE RUBBER	BRONZE NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



3:1



CABLE STRIP DIMENSIONS

NOTES:

1. SPECIFICATIONS:

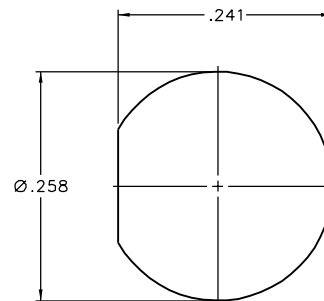
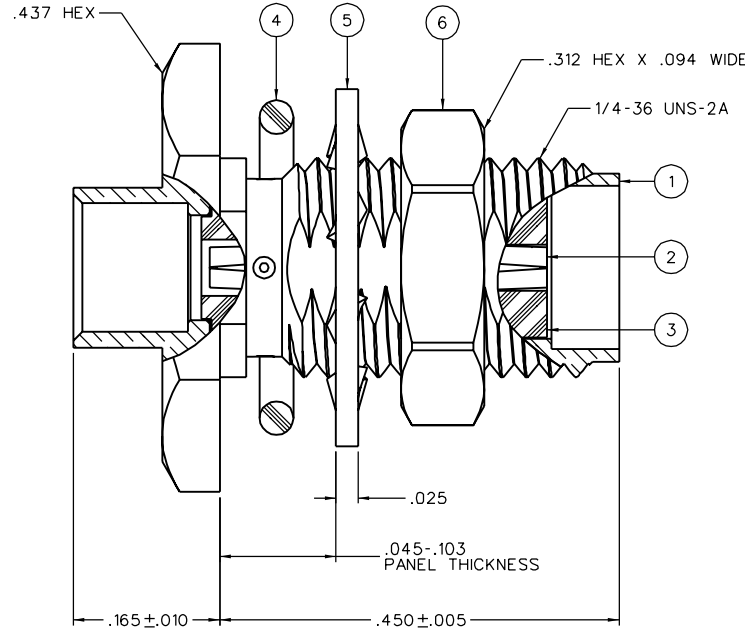
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-25 GHZ
VSWR: 1.05+0.01(GHZ) MAX AT 0-18 GHZ, TYPICALLY < 1.25 AT 18-25 GHZ
WORKING VOLTAGE: 500 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 5.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 8.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
BODY TO CABLE - 0.5 MILLIOHM MAX
CORONA LEVEL: 375 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .03√F (F IN GHZ), TESTED AT 10 GHZ
RF LEAKAGE: -90 DB MIN AT 2 TO 3 GHZ
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 1000 VRMS AT 4 AND 7 MHZ

MECHANICAL:

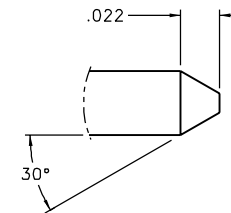
ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 7-10 INCH-POUNDS
COUPLING PROOF TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: RG 402, .141 OD SEMIRIGID
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: 60 LBS MIN AXIAL FORCE
55 INCH-OUNCE MIN TORQUE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 115°C HIGH TEMP
OPERATING TEMPERATURE: -65°C TO 165°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



POINTING DETAIL
20:1

DRAWING NO.									
C-142-0594-431/440									
0		REVISIONS							
ENGINEERING RELEASE									
1	10-25-04	J R	K	J C	N	T L	S		5-11-05 ECN 49500

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY JRK	DATE 10-13-04	 cinch CONNECTIVITY SOLUTIONS (a bel group)	Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256
DECIMALS	mm	CHECKED BY JCN	DATE 10-27-04		
.XX	REF	APPROVED BY TJS	DATE 12-27-04		
.XXX	REF	RELEASE DATE	5-11-05		
MATL		U/M	INCH	SCALE	10:1
FINISH		SHEET 2 OF 2	DRAWING NO. C - 142-0594-431/440		

TITLE
SMA BKHD JACK ASSY
ONE PIECE CONNECTOR,
RG-402, .141 SEMI-RIGID

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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