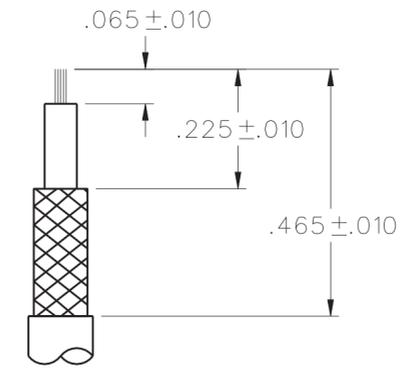
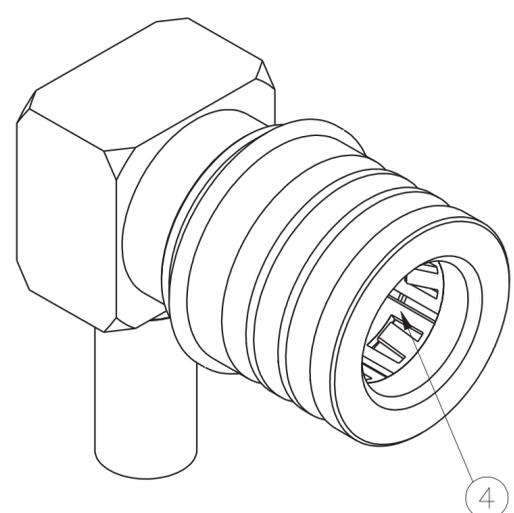
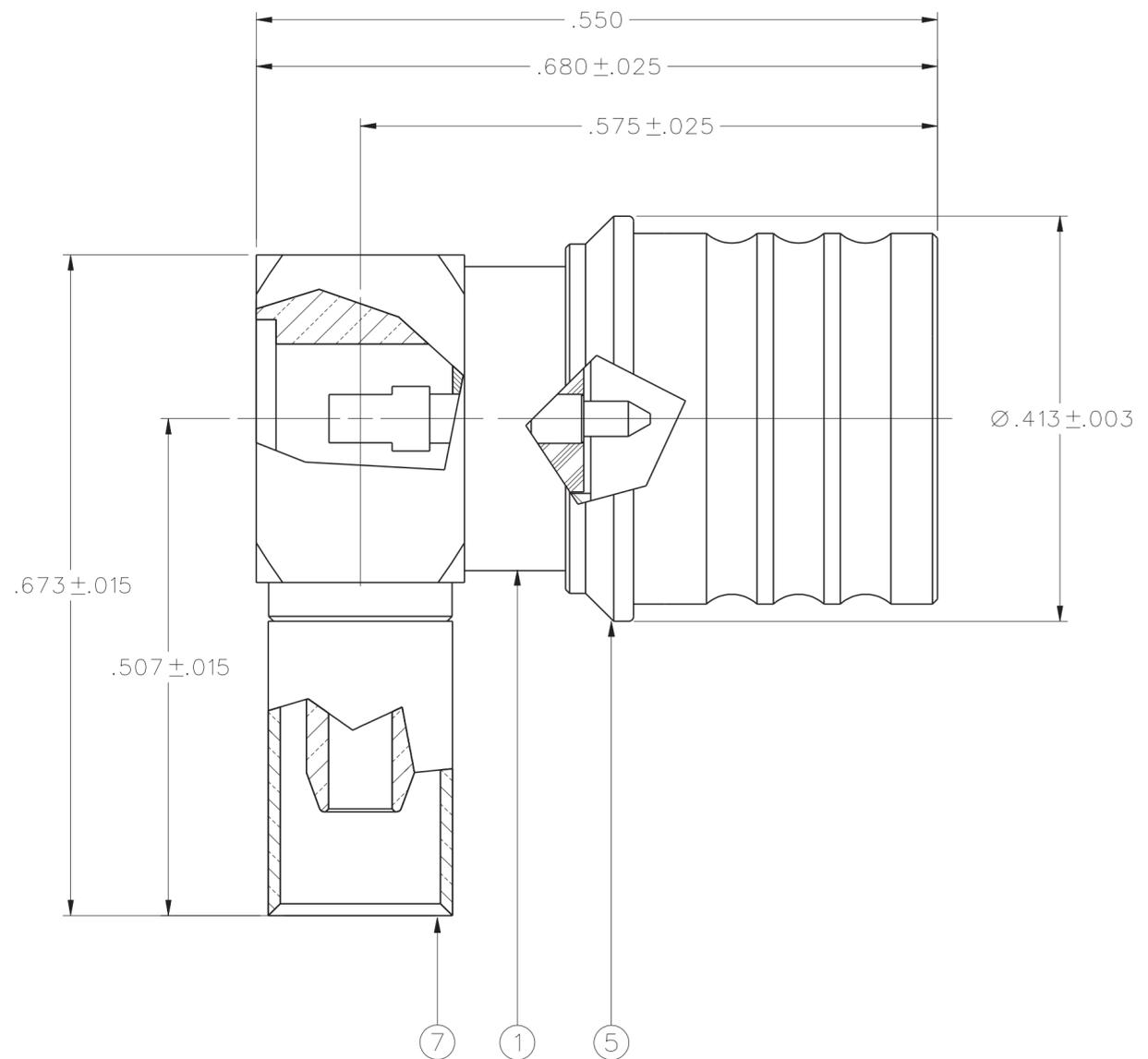
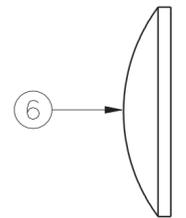
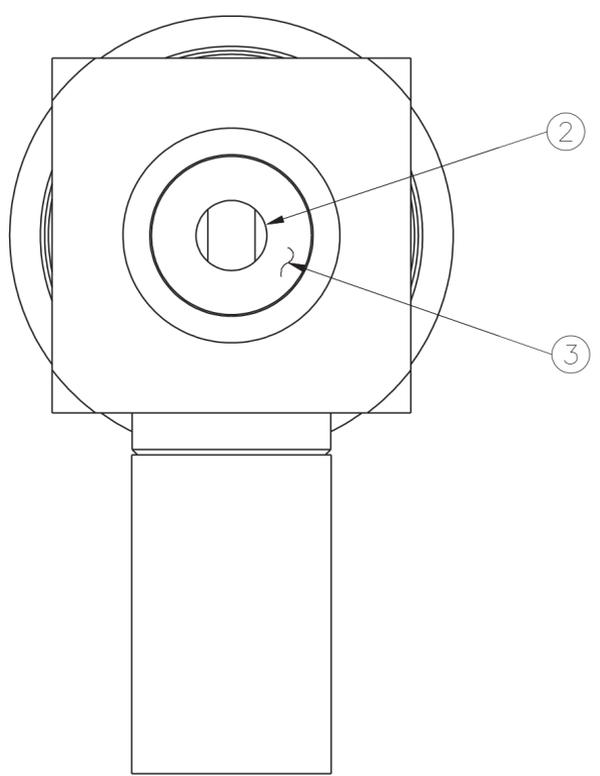


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ COUPLING DEVICE	ITEM ⑤ DE-COUPLING SLIDER	ITEM ⑥ END CAP	ITEM ⑦ CRIMP SLEEVE
146-0404-107	BRASS TRI-ALLOY PL .0001 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER TRI-ALLOY PL .0001 MIN	BRASS TRI-ALLOY PL .0001 MIN	BRASS TRI-ALLOY PL .0001 MIN	COPPER TRI-ALLOY PL .0001 MIN

DRAWING NO. C - 146-0404-101/110	
REVISIONS	
ENGINEERING RELEASE	
1	3-3-11 C W W R B T A J M K U 3-3-11 ECO 53065



CABLE STRIP DIMENSIONS

4:1

NOTES:

- SPECIFICATIONS:
  - IMPEDANCE: 50 OHMS NOMINAL
  - FREQUENCY RANGE: 0-12.4 GHz
  - VSWR: 1.15 + 0.03F
  - WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
  - DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
  - INSULATION RESISTANCE: 5000 MEGOHM MIN
  - CONTACT RESISTANCE:
    - CENTER CONTACT - INITIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 6.0
    - OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
    - CABLE BRAID TO CONNECTOR BODY - INITIAL 5.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
  - CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
  - INSERTION LOSS:  $.15\sqrt{F}$  (F IN GHz) AT 6 GHz
  - RF LEAKAGE: -80 DB MIN AT 3.0 GHz
  - RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 500 VRMS MIN AT 4 AND 7 MHz
- MECHANICAL:
  - ENGAGE FORCE: 5.6 POUNDS TYPICAL
  - DISENGAGE FORCE: 4.5 POUNDS TYPICAL
  - COUPLING RETENTION FORCE: 10 POUNDS MIN
  - CONTACT RETENTION: 6 LBS MIN
  - CABLE ACCEPTABILITY: RG 188/U DOUBLE SHIELDED, RG 316/U DOUBLE SHIELDED.
  - CABLE HEX CRIMP SIZE: .151
  - CABLE RETENTION: 20 LBS MIN AXIAL FORCE
  - DURABILITY: 500 CYCLES MIN
- ENVIRONMENTAL:
  - THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B EXCEPT +85°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: MIL-STD-202, METHOD 204, CONDITION D
  - MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ASME Y 14.5M - 1994

"μ STATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	T.A.Kari	4-09-08
.XX	_____	CHECKED BY	DATE
.XXX ±.003	_____	CWW	3-7-11
MATL	_____	APPROVED BY	DATE
FINISH	_____	T.A. KARI	3-7-11
		RELEASE DATE	3-7-11
		U/M	INCH SCALE 10:1

**cinch** Connectivity Solutions  
P.O. Box 1732  
Waseca, MN 56093  
1-800-247-8256

TITLE: RA PLUG  
KWIQMATE CONNECTOR  
CRIMP TYPE, RG-316 DOUBLE SHIELDED

SHEET 2 OF 2  
DRAWING NO. C - 146-0404-101/110