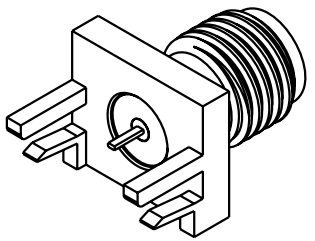
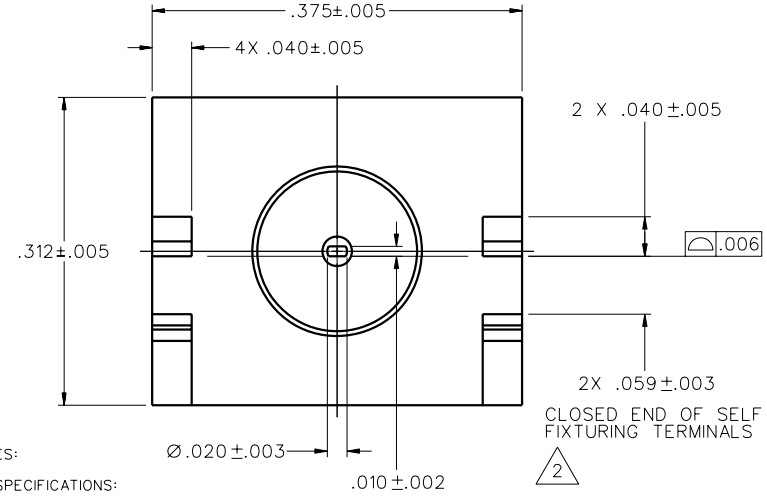
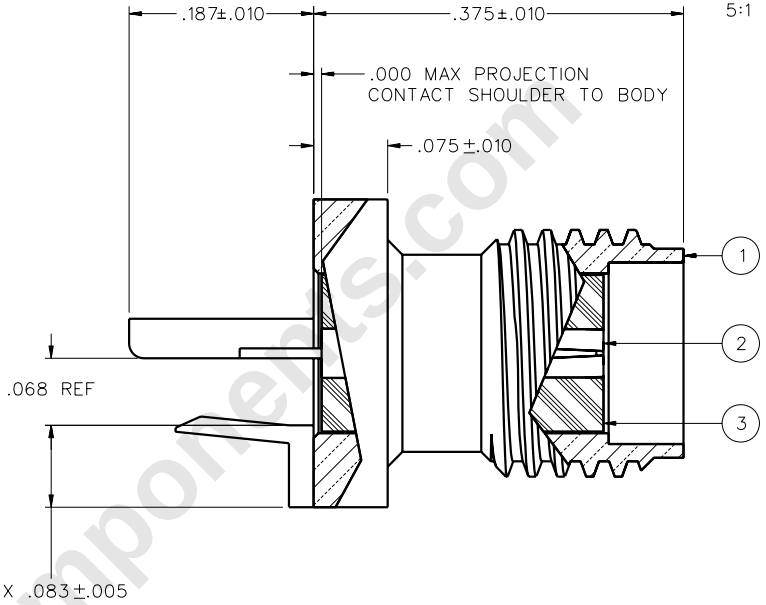
PART NUMBER	ITEM (1) BODY	ITEM (2) CONTACT	ITEM (3) INSULATOR
142-0791-821	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON



5:1





NOTES:

1. SPECIFICATIONS:

ELECTRICAL:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-18 GHz (10 GHz MAX TYPICAL CIRCUIT BOARD TRANSITION)
VSWR: NOT APPLICABLE
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHMS MIN
CONTACT RESISTANCE: CENTER CONTACT - INITIAL 3 MILLIOHMS MAX,
AFTER ENVIRONMENTAL NOT APPLICABLE
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHMS MAX
AFTER ENVIRONMENTAL 4 MILLIOHMS MAX
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:

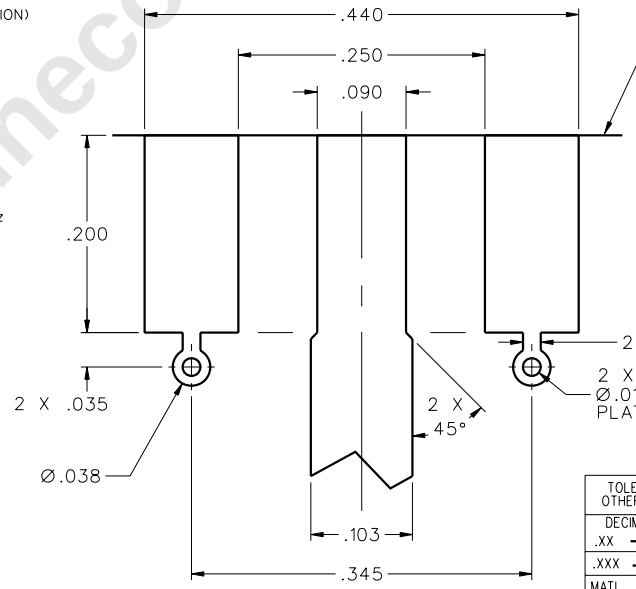
ENGAGE/DISENGAGE TORQUE: 2 INCH POUNDS MAX
MATING TORQUE: 7-10 INCH POUNDS
COUPLING PROOF TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
4 OZ-IN MIN RADIAL TORQUE
CABLE ACCEPTABILITY: NOT APPLICABLE
CABLE RETENTION: NOT APPLICABLE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
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

2. ALL CONNECTOR TERMINALS ARE INTENDED TO BE SOLDERED TO CIRCUIT BOARD.

3. EMERSON NETWORK POWER CONNECTIVITY SOLUTIONS SELF FIXTURE END LAUNCH CONNECTORS ARE COVERED UNDER U.S. PATENT NUMBER 7,500,855.



TYPICAL MICROSTRIP TOPSIDE LAYOUT

.062" THICK BOARD
FR4 BOARD
DOUBLE SIDED 1 OZ COPPER
FULL UNDERSIDE GROUND PLANE
ALL DIMENSIONS ARE REFERENCE
APPLICATIONS REQUIRE OPTIMIZATION

DRAWING NO.
C – 142-0791-821/830

0	REVISIONS

FOR QUOTATION ONLY
UNAPPROVED

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	JDS	9-18-07
.XX		CHECKED BY	DATE
.XXX		APPROVED BY	DATE
MATL		RELEASE DATE	
FINISH		U/M INCH	SCALE 10:1

EMERSON. Network Power
Connectivity Solutions
P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

TITLE
SMA JACK ASSEMBLY
SELF FIXTURING END LAUNCH,
TAB CONTACT, .062 BOARD

SHEET 2 OF 2

DRAWING NO.
C – 142-0791-821/830