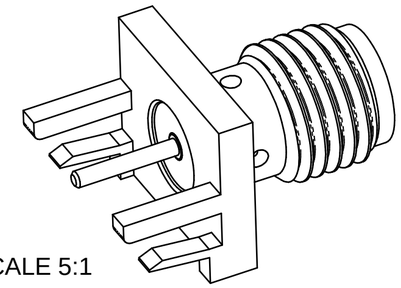
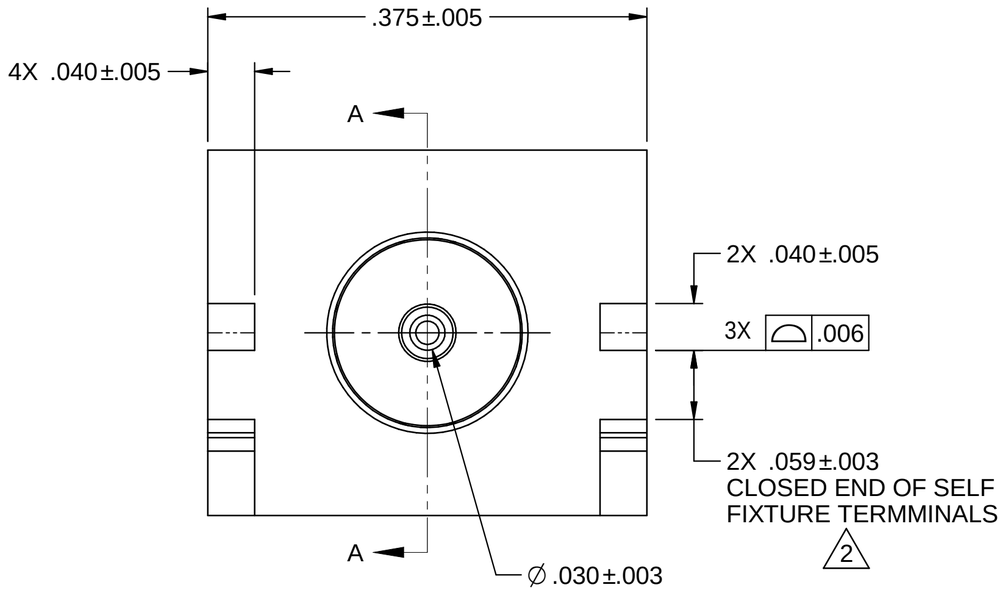
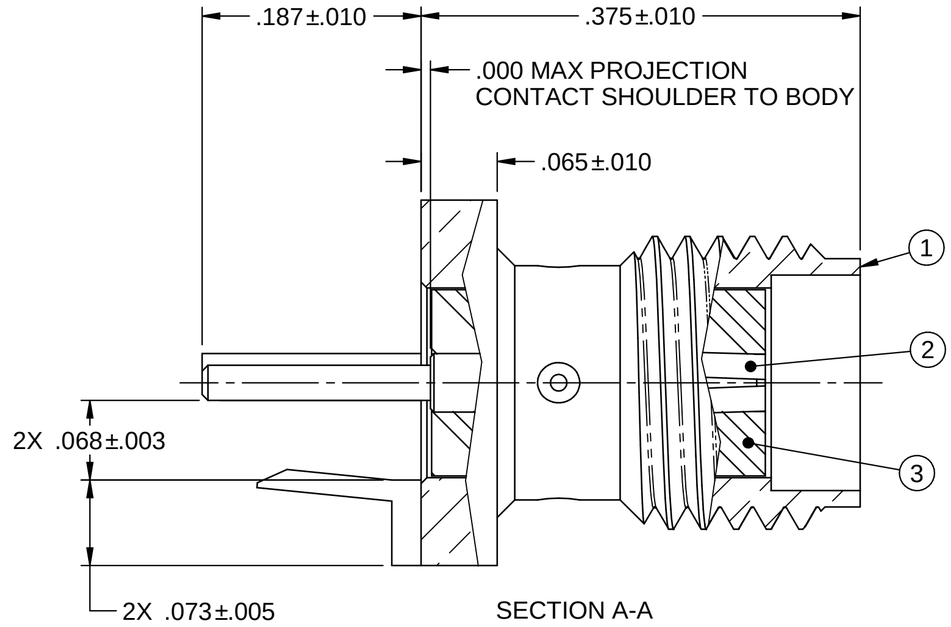
PART NUMBER	ITEM 1 BODY	ITEM 2 CONTACT	ITEM 3 INSULATOR
142-0791-801	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON

ZONE	REV	ECO	DESCRIPTION	APPR.	DATE
	1	52058	RELEASED	TAK	10/13/09
	1A	53953		TAK	1/16/12



SCALE 5:1





SECTION A-A

NOTES: UNLESS OTHERWISE SPECIFIED.

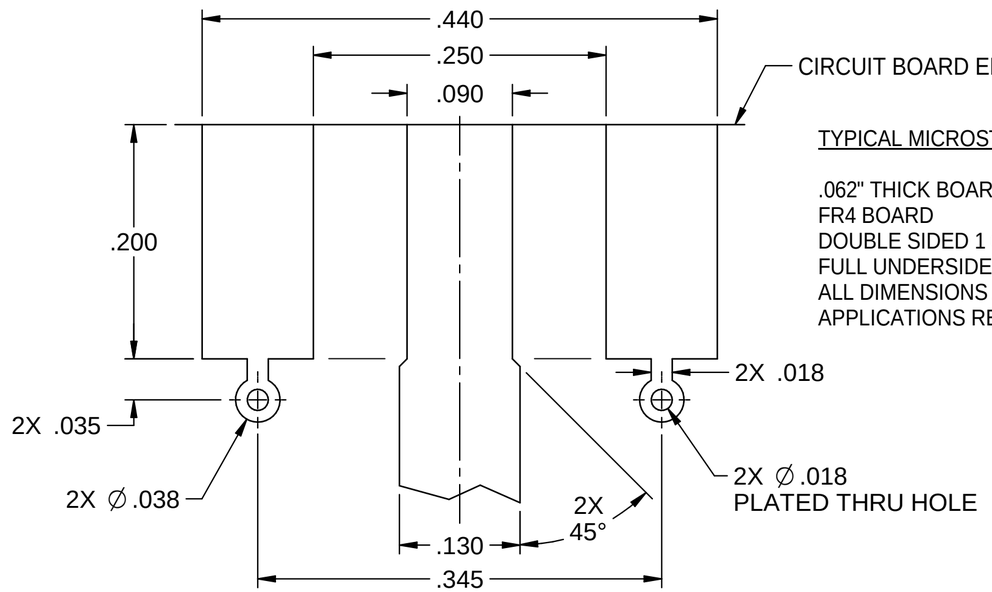
1. SPECIFICATIONS:

ELECTRICAL:
- IMPEDANCE: 50 OHMS
- FREQUENCY RANGE: 0-18 GHz
- VSWR: <1.50 TYPICAL AT 0-18 GHz
- 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 - 4 MILLIOHMS MAX
  OUTER CONDUCTOR - INITIAL 2.0 MILLIOHMS MAX
  AFTER ENVIRONMENTAL - N/A
- CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
- RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:
- ENGAGEMENT/DISENGAGEMENT TORQUE: 2 INCH POUNDS MAX
- MATING TORQUE: 7-10 INCH POUNDS
- CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
  4 OZ-IN MIN RADIAL TORQUE
- DURABLITY: 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
- VIBERATION: MIL-STD-202, METHOD 204, CONDITION D
- MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

2. ALL CONNECTOR TERMINALS SHALL BE SOLDERED TO THE CIRCUIT BOARD.



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

INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2009.

UNLESS OTHERWISE SPECIFIED
UNITS: INCHES

Model No. 142-0791-801/810

Cage Code 34078

3RD ANGLE PROJECTION

Drawn by TAK | Date 9/18/07

Approved by TAK | Date 10/13/09

JOHNSON

Title: SMA JACK SELF FIXTURE END LAUNCH

Material:

Drawing No. 142-0791-801/810 | Rev. 1A

Finish:

Size C | DO NOT SCALE DRAWING | Scale 10:1 | Sheet 1 of 2