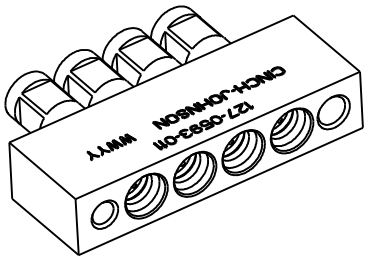


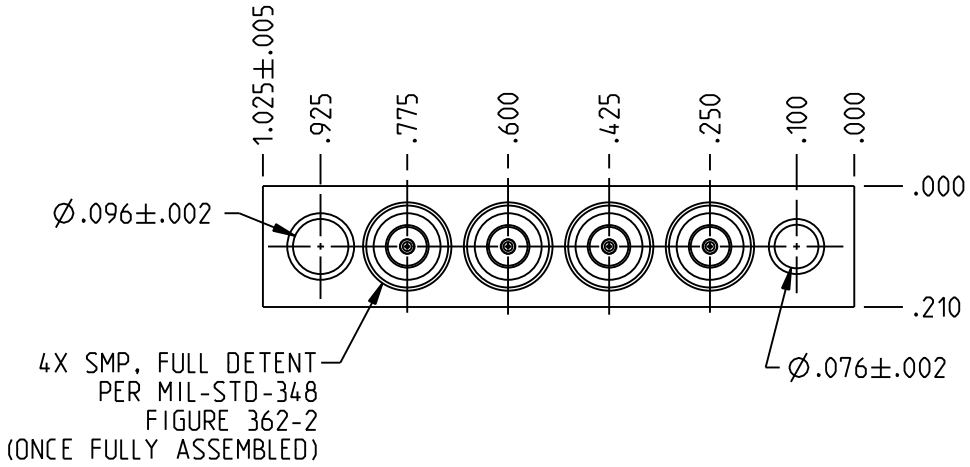


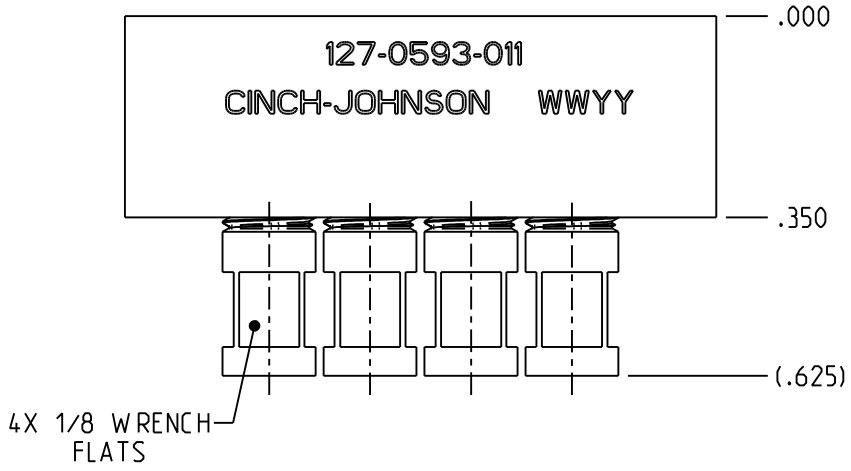


NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIAL & FINISH: (127-0593-011)
 1.1 BODY & SOLDER SLEEVE: GOLD PLATED STAINLESS STEEL
 1.2 CLAMP NUT: PASSIVATED STAINLESS STEEL
 1.3 CONTACT: GOLD PLATED BERYLLIUM COPPER
 1.4 INSULATOR: PTFE (TEFLON)

2. ELECTRICAL SPECIFICATIONS:
 2.1 IMPEDANCE: 50 OHMS
 2.2 FREQUENCY RANGE: DC - 40 GHz
 2.3 VSWR:
  2.3.1 0-18 GHz = 1.25 MAX
  2.3.2 18-26.5 GHz = 1.35 MAX
  2.3.3 26.5-40 GHz = 1.50 MAX
 2.4 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
 2.5 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
 2.6 INSULATION RESISTANCE: 5000 MEGOHM MIN
 2.7 CONTACT RESISTANCE:
  2.7.1 CENTER CONTACT: 6.0 MILLIOHM MAX
  2.7.2 OUTER CONDUCTOR: 2.0 MILLIOHM MAX
  2.7.3 CABLE SHIELD TO CONNECTOR BODY: 0.5 MILLIOHM MAX
 2.8 CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
 2.9 RF LEAKAGE: -80 dB TYPICAL, TESTED AT 2.5 GHz
 2.10 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 325 VRMS MIN
      AT 4 & 7 MHz

3. MECHANICAL SPECIFICATIONS:
 3.1 ENGAGEMENT FORCE: 15 LBS MAX PER POSITION
 3.2 DISENGAGEMENT FORCE: 5 LBS MIN PER POSITION
 3.3 CABLE ACCEPTABILITY: MIL-C-17/133, RG 405
 3.4 CABLE RETENTION: 30 LBS MIN AXIAL, 16 IN-OZ MIN TORQUE
 3.5 DURABILITY: 100 CYCLES MIN

4. ENVIRONMENTAL: (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF
    DSCC DWG NO. 94007)
 4.1 OPERATING TEMPERATURE: -65°C TO 165°C
 4.2 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT
      125°C HIGH TEMP
 4.3 MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
 4.4 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
 4.5 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
 4.6 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, EXCEPT STEP
     7B OMITTED

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

3RD ANGLE PROJECTION

RoHS2 ☑ 2011/65/EU

UNLESS OTHERWISE SPECIFIED UNITS: INCH
.XX ±.01
.XXX ±.003
ANGLES ±2°

**JOHNSON**

Title: ASSEMBLY, MALE, FD, CABLED, SMP, 4 POSITION

Model No. 127-0593-011/020

| Size | DO NOT SCALE DRAWING | Date: | Sheet |
|---|---|---|---|
| A | | 3/28/2018 | 1 OF 1 |

Please read our datasheet & drawing disclaimer here.