



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

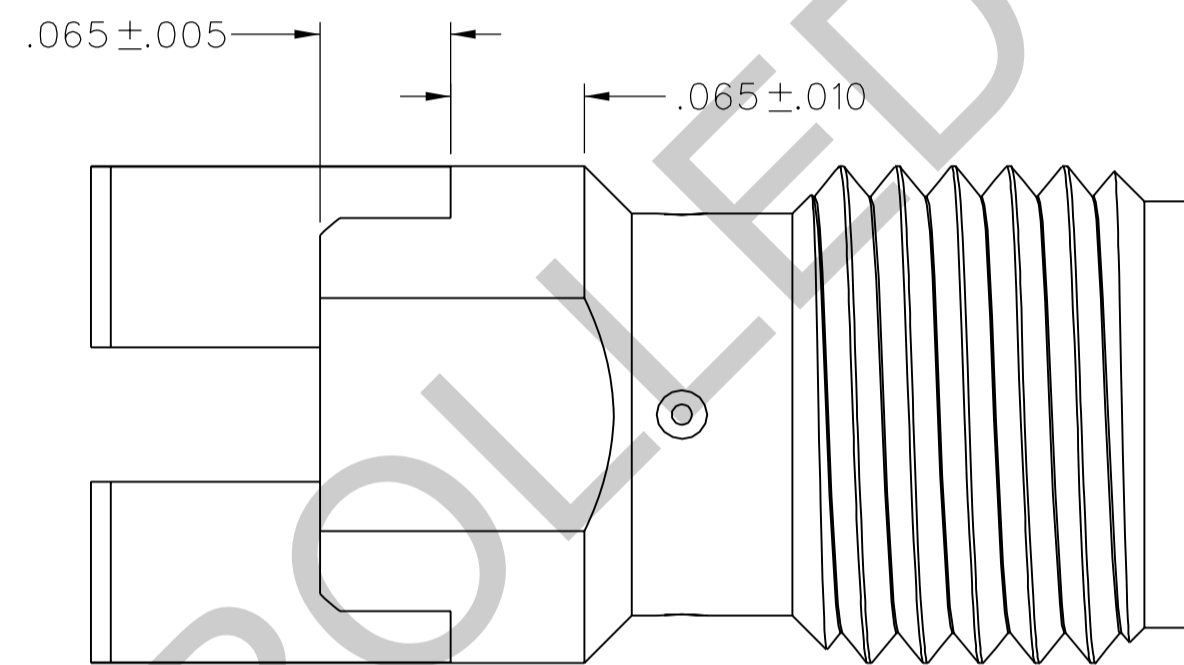
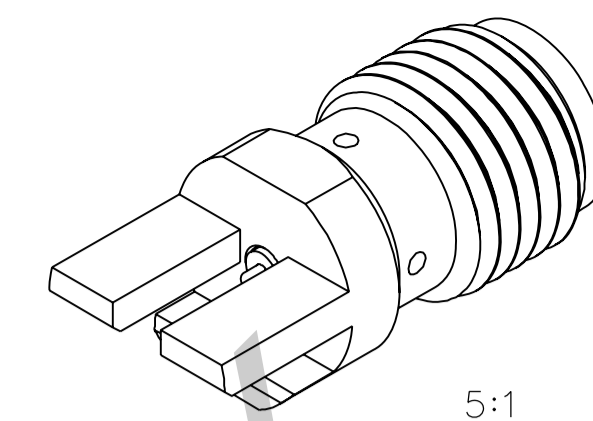
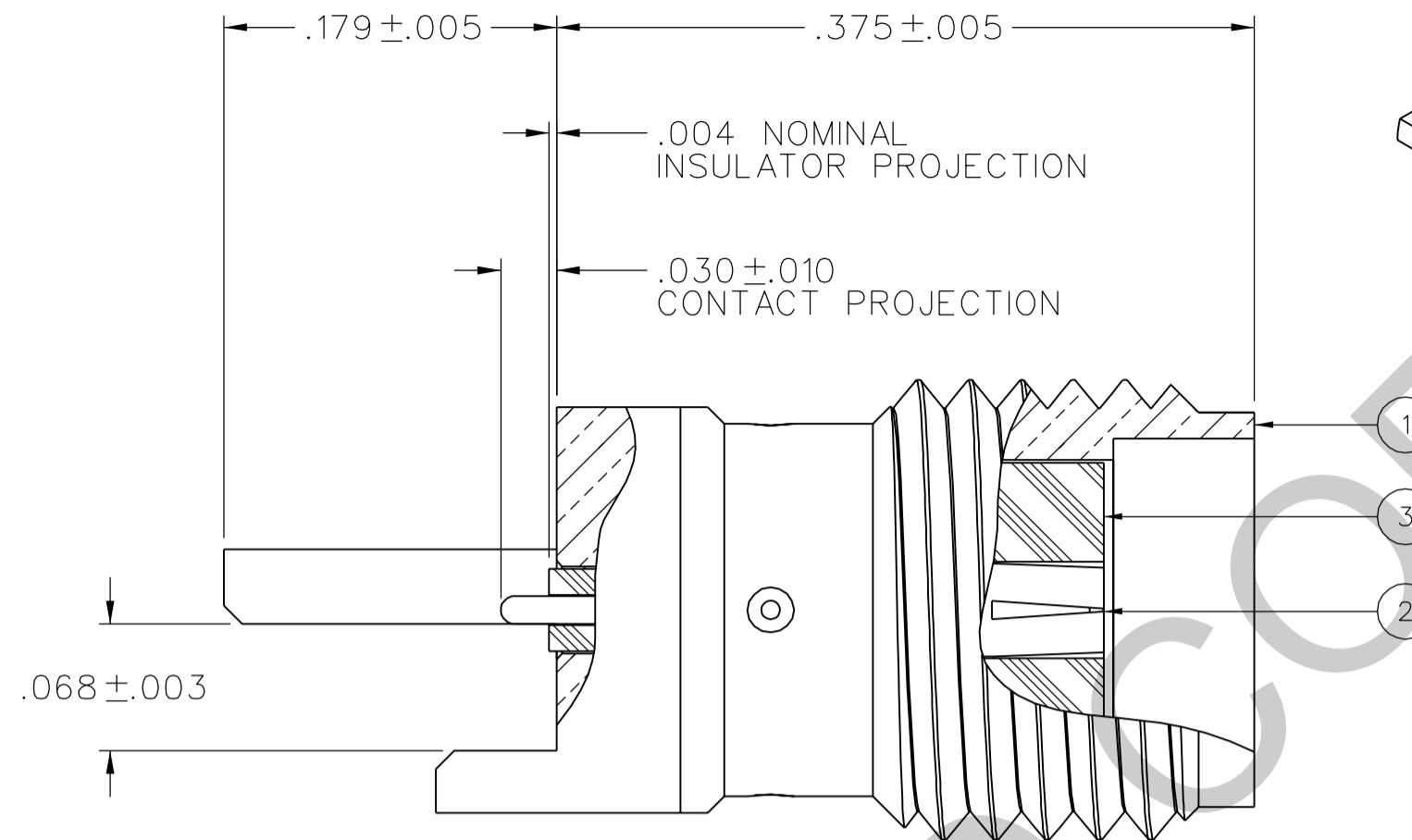
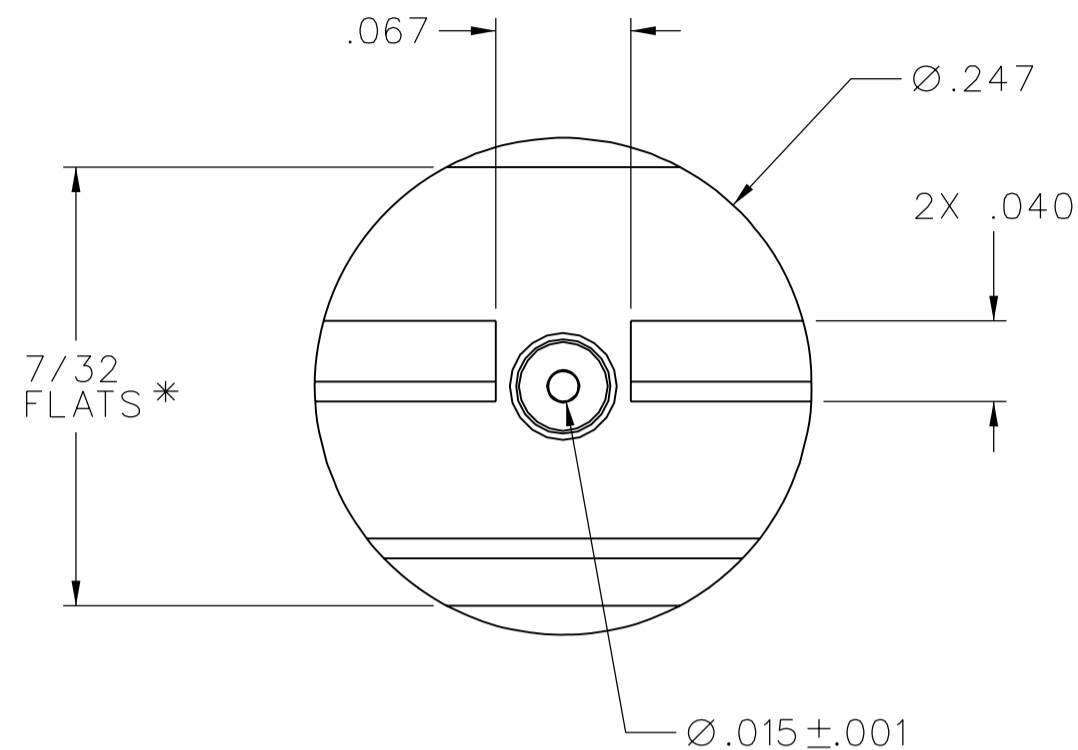
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



| | | | |
|-----------------------------|---|---|-------------------------------|
| PART NUMBER 142-0761-861 | ITEM ① BODY BRASS GOLD PL .00001 MIN OVER NICKEL PL .00001 MIN OVER COPPER PL .00005 MIN | ITEM ② CONTACT BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN | ITEM ③ INSULATOR TEFLON |
|-----------------------------|---|---|-------------------------------|



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-26.5 GHz
 VSWR: 1.05+.02F(GHz) MAX AT 0-18 GHz, TYPICALLY < 1.50 AT 18-26.5 GHz
 WORKING VOLTAGE: 170 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 1000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
 CORONA LEVEL: 125 VOLTS MIN AT 70,000 FEET
 INSERTION LOSS: NOT APPLICABLE (DEPENDANT UPON APPLICATION)
 RF LEAKAGE: NOT APPLICABLE
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 335 VRMS MIN AT 4 AND 7 MHz

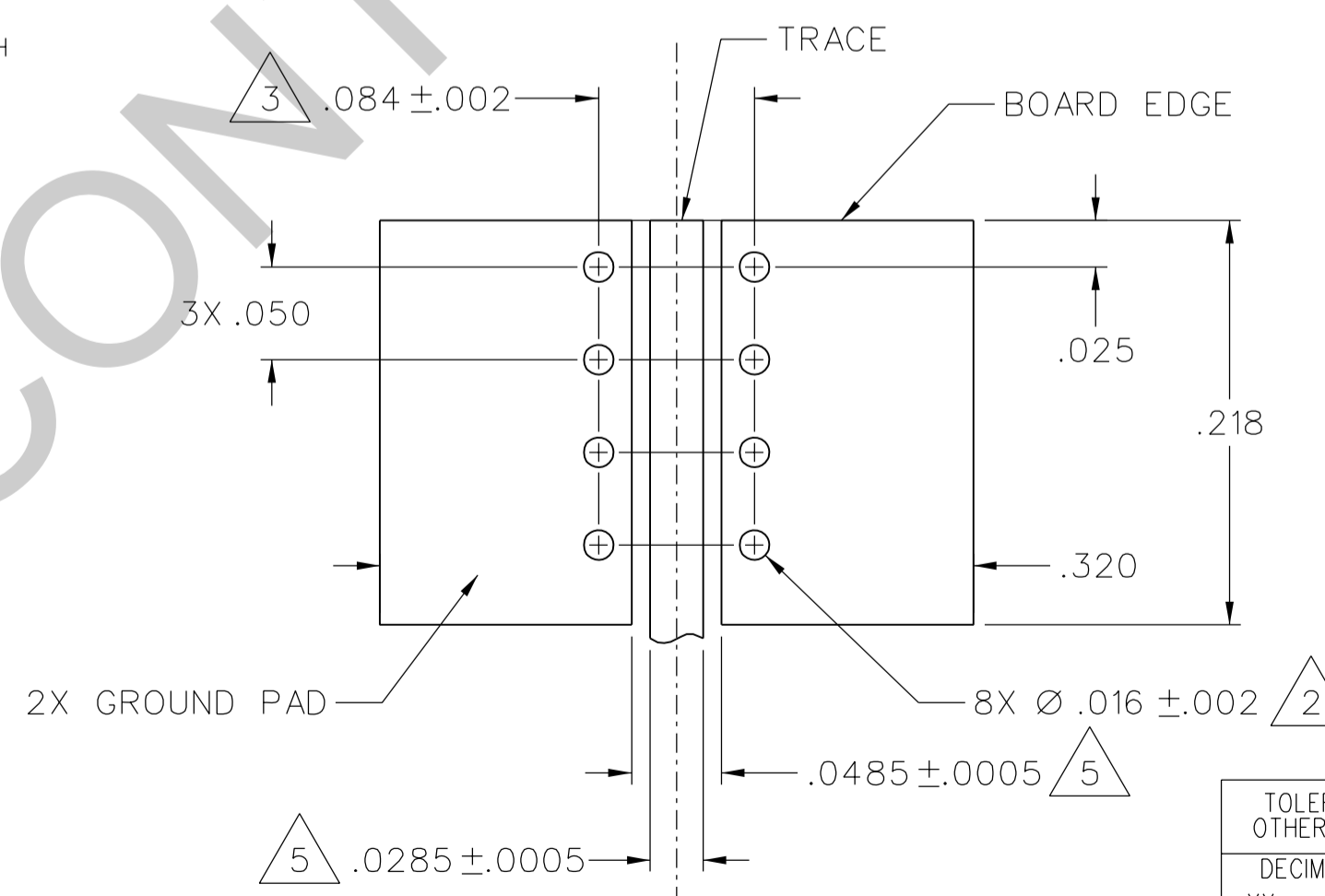
MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
 MATING TORQUE: 7-10 INCH POUNDS WHEN BODY SUPPORTED WITH WRENCH
 *8 INCH POUNDS MAX UNSUPPORTED
 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE ON MATING END
 4 IN-OZ MIN RADIAL 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 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

- ② ALL HOLES PLATED THRU ENTIRE CIRCUIT BOARD STACKUP.
- ③ HOLE PATTERNS SYMMETRICAL ABOUT CENTER OF CPW TRACE.
- 4. FOR OPTIMUM CIRCUIT BOARD HIGH FREQUENCY PERFORMANCE:
 - A. MAINTAIN SOLID GROUND PLANE BELOW HF SUBSTRATE.
 - B. CONTROL PULLBACK OF TRACE AND GROUND FROM BOARD EDGE.
 - C. CONTINUE GROUNDED COPLANAR LINE BEYOND GROUND PADS.
 - D. PLACE 16 MIL DIA GROUND VIAS ON BOTH SIDES OF COPLANAR WAVEGUIDE LINE AT 50 MIL INTERVALS ALONG ENTIRE LENGTH.
 - E. IMMERSION GOLD PLATE (ENIG) ALL CONDUCTORS PER IPC-4552.
- ⑤ REFERENCE DIMENSIONS FOR 50 OHM GROUNDED CPW LINE, USING ROGERS RO4003, 16 MIL HIGH FREQUENCY CIRCUIT BOARD SUBSTRATE:
 - TRACE WIDTH = 28.5 MILS
 - GROUND GAPS = 10 MILS
 - CONDUCTOR THICKNESS = 1.4 MIL (INCLUDES PLATING)
- 6. EMERSON NETWORK POWER CONNECTIVITY SOLUTIONS HIGH FREQUENCY END LAUNCH CONNECTORS ARE COVERED UNDER US PATENT NUMBER 7,344,381



MOUNTING FOOTPRINT
10:1 (TOP VIEW, INCLUDING TRACE DIMENSIONS)

| | | | |
|--------------------------------------|-------|--------------|----------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | DRAWN BY | DATE |
| DECIMALS | mm | JRK | 11-2-04 |
| .XX | _____ | CHECKED BY | DATE |
| .XXX ±.003 | _____ | APPROVED BY | DATE |
| MATL | _____ | JRK | 12-15-04 |
| FINISH | _____ | RELEASE DATE | 12-15-04 |
| U/M | INCH | SCALE | 10:1 |

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

TITLE
HIGH FREQ END LAUNCH
SMA JACK ASSEMBLY,
EDGE MOUNT, 15 MIL PIN

SHEET 2 OF 2
DRAWING NO. C-142-0761-861/870

DRAWING NO. C-142-0761-861/870

| | | | | |
|--|-----------|-----|-----|-----------------------|
| 0 | REVISIONS | | | |
| ENGINEERING RELEASE | | | | |
| 1 | 11-5-04 | JRK | | 12-15-04 ECN 49544 |
| ADDED NOTE: 6 | | | | |
| ***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * ***** | | | | |
| 1a | 4-14-08 | PAT | JRK | 5-7-08 ECN 51481 |

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL