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!

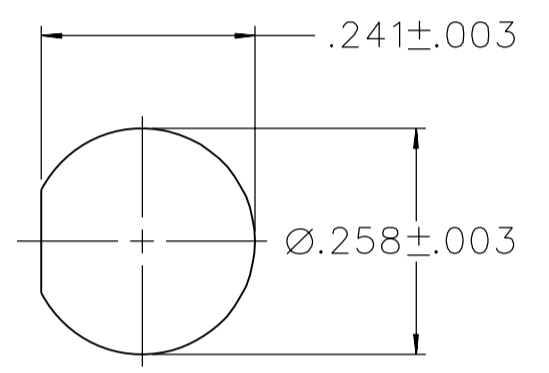# Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China
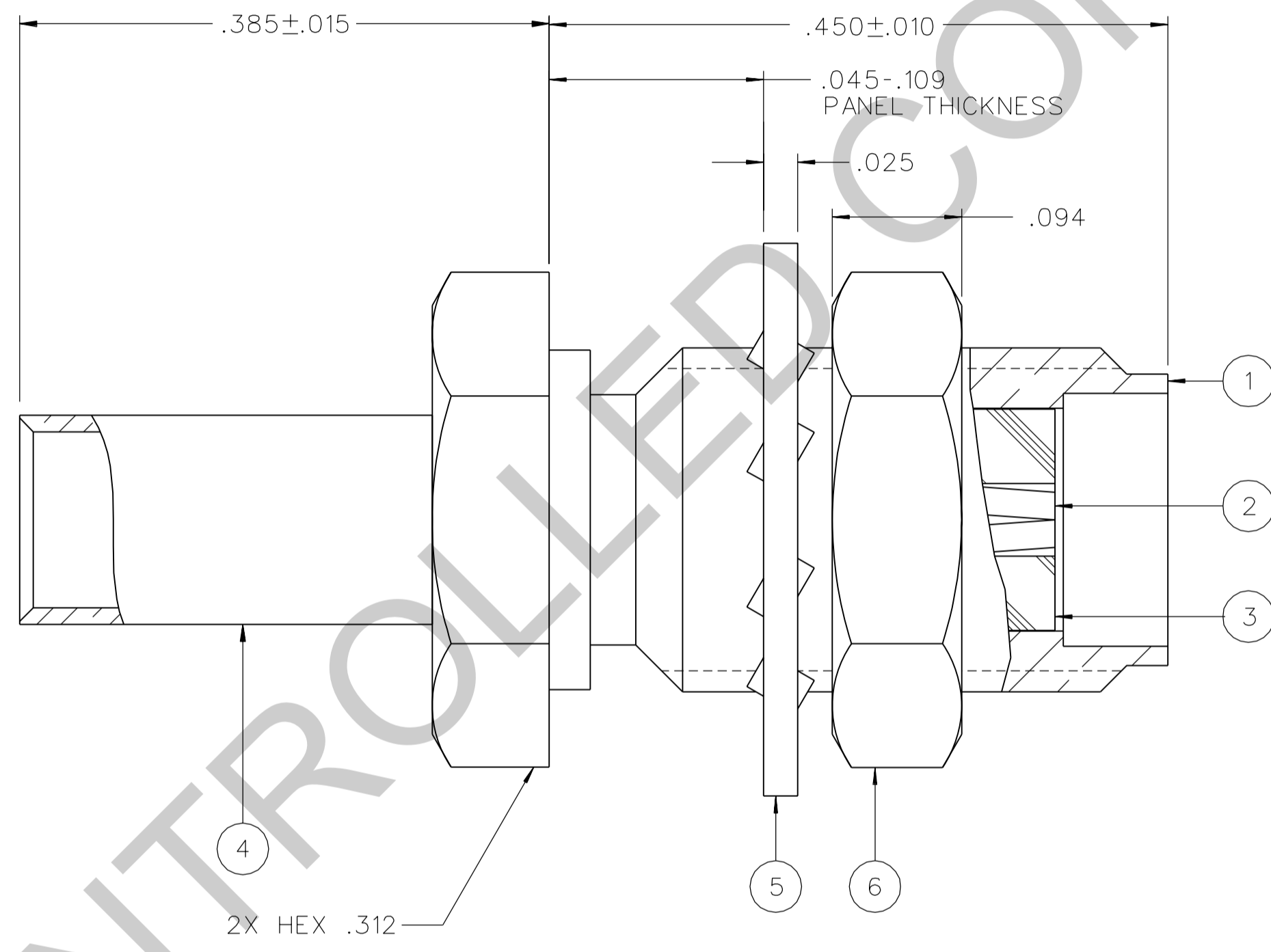
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ CRIMP SLEEVE	ITEM ⑤ LOCKWASHER	ITEM ⑥ NUT
142-9303-411	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN
142-9303-414	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN

0	REVISIONS
ENGINEERING RELEASE	
1	5-14-07	P A T / R J B / M J J U / T J C S / J C N	5-15-07 ECN 51027

MOUNTING HOLE
4:1

.241±.003

Ø.258±.003

.385±.015

.450±.010

.045-.109 PANEL THICKNESS

.025

.094

2X HEX .312

4

5

6

1

2

3

NOTES:

1. SPECIFICATIONS:

    IMPEDANCE: 50 OHMS
    FREQUENCY RANGE: 0-12.4 GHz
    VSWR: 1.15+.02 F MAX (F IN GHz)
    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 3.0 MILLIOHM MAX, AFTER
                         ENVIRONMENTAL 4.0 MILLIOHM MAX
        OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX
                         AFTER ENVIRONMENTAL NOT APPLICABLE
        BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED)
                        5.0 MILLIOHM MAX (NICKEL PLATED)
    CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
    INSERTION LOSS: .06√F dB MAX (F IN GHz) AT 6 GHz
    RF LEAKAGE: -60 DB MIN AT 2.5 GHz
    RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 500 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
    CABLE ACCEPTABILITY: RG 188, RG 316
                         RG 161, RG 174
    CABLE HEX CRIMP SIZE: .128
    CONTACT CRIMP TOOL: MIL M22520/1-01
    CABLE RETENTION: 20 LBS MIN AXIAL FORCE
    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 85° C HIGH TEMP
    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
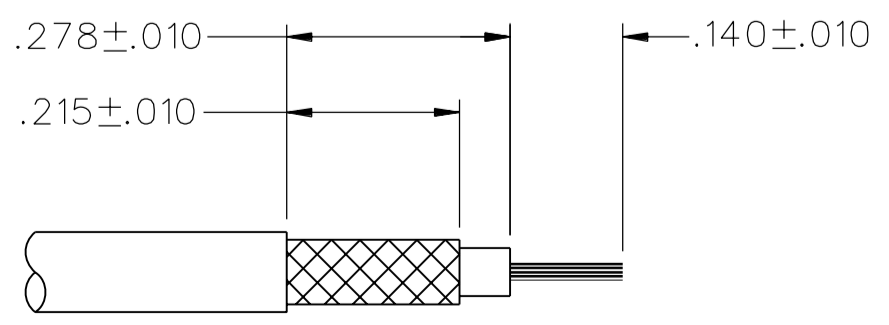
CABLE STRIP DIMENSIONS
4:1

.278±.010

.215±.010

.140±.010

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY RJB	DATE 5-14-07
DECIMALS	mm	CHECKED BY RJB	DATE 5-15-07
.XX		APPROVED BY JCN	DATE 5-15-07
.XXX			
MATL			
		RELEASE DATE	5-15-07
FINISH			
U/M INCH		SCALE 10:1	

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

cinch
CONNECTIVITY SOLUTIONS
a bel group

TITLE
JACK ASSEMBLY,
STRAIGHT CABLED BULKHEAD,
SMA, RG 316, NON-MAGNET

SHEET 2 OF 2

DRAWING NO.
C-142-9303-411/420

UNCONTROLLED COPY