



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

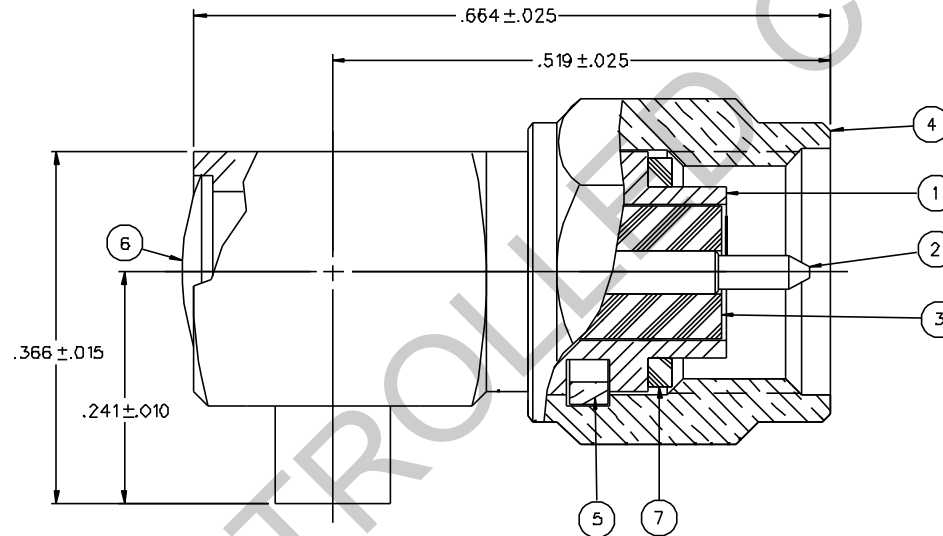
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ HEX NUT	ITEM ⑤ RETENTION SPRING	ITEM ⑥ END CAP	ITEM ⑦ GASKET
142-D693-101	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	NONE
142-D693-103	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	SILICONE RUBBER
142-D693-106	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	NONE
142-D693-107	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	SILICONE RUBBER

DRAWING NO. C - 142-0693-101/110	
0	REVISIONS
ENGINEERING RELEASE	
1	6-26-97 R H S I T R 8 7-16-97 ECN 44773
ADDED: P/N'S 142-0693-103 AND 142-0693-107, ITEM 7	
***** REVISION NUMBER FOLLOWED BY AN ALPHA ***** ***** CHARACTER INDICATES DRAWING CLARIFICATION ***** ***** CAUTION ON PART NUMBER ADDITION ONLY. *****	
1a	10-21-99 R H S I T R 11-4-99 ECN 46778
UPDATED TO 1 PC BODY DESIGN	
2	1-12-00 R H S I T R 11-4-99 ECN 46787



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: 0-18 GHZ  
 VSWR: 1.18+.015F MAX (0-12.4 GHZ) (F IN GHZ)  
 VSWR: 1.15+.04F MAX (12.4-18GHZ) (F IN GHZ)  
 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
 INSULATION RESISTANCE: 5000 MEGOHM MIN  
 CONTACT RESISTANCE:  
 CENTER CONTACT - INITIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 6.0 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: 250 VOLTS MIN AT 70,000 FEET  
 INSERTION LOSS: .05 √F (F IN GHZ) AT 10 GHZ  
 RF LEAKAGE: -90 DB MIN AT 2.5 GHZ  
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 67D VRMS MIN AT 4 AND 7 MHZ

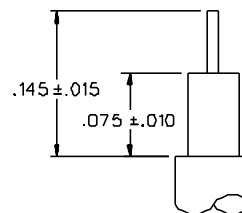
MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX  
 MATING TORQUE: 7-10 INCH POUNDS  
 COUPLING PROOF TORQUE: 15 INCH-POUNDS MIN  
 COUPLING NUT RETENTION: 6D LBS MIN  
 CONTACT RETENTION: 6 LBS MIN  
 CABLE ACCEPTABILITY: RG 405/U  
 CABLE HEX CRIMP SIZE: NOT APPLICABLE  
 CABLE RETENTION: 30 LBS MIN AXIAL FORCE  
 16 IN-OUNCE MIN TORQUE

DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)  
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT +115 DEG C HIGH TEMP  
 OPERATING TEMPERATURE: -65 DEG C TO +65 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



CABLE STRIP DIMENSIONS

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSI Y 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY SWC	DATE 4-7-97	 <small>Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waukegan, MN 56093 1-800-247-8256</small>	
DECIMALS .XX	CHECKED BY SWC	DATE 7-7-97	TITLE PLUG ASSEMBLY RA CABLED SMA, RG 405	
.XXX	APPROVED BY TAK	DATE 7-7-97	CODE NO.	DRAWING NO.
MATL	APPROVED BY RJB	DATE 7-7-97	C - 142-0693-101/110	
FINISH	RELEASE DATE 7-16-97		SCALE 10:1	U/W INCH SHEET 2 OF 2