



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!



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NOTES:	332110		REVISIONS				
	DRAWING NO.	REV	DESCRIPTION		DATE	ECO	APPR
	THIRD ANGLE PROJ.	A	RELEASE TO MFG.		14-Oct-13	--	MB/BCG

I. ELECTRICAL PERFORMANCE -

NOMINAL IMPEDANCE

: 50±2 Ω

FREQUENCY RANGE

: DC-3.0 GHz

VSWR

: 1.100 MAX.

PIM

: -160dBc MAX.(2x43dBm)

INSERTION LOSS

: 0.100 dB MAX. (@ 3.0 GHz)

INSULATION RESISTANCE

: 5000 MΩ MIN.

D.W.V

: 2500 VRMS

CONDUCTOR RESISTANCE

: OUTER CONDUCTOR 0.5 mΩ MAX.

INNER CONDUCTOR 1.0 mΩ MAX.

II. MECHANICAL PERFORMANCE -

(NUT) TORQUE

: 10-12 N.m

(NUT) WHORL PULL

: 500 N

TENSILE FORCE(CABLE-CONNECTOR)

: 500 N

TORSION(CABLE-CONNECTOR)

: 4.00 N.m

III.MATERIAL AND PLATING -

INNER CONDUCTOR

: SPRING BRONZE ALLOY, PLATING = Ag (5µm MIN.)

OUTER CONDUCTOR

: BRASS, PLATING = COPPER-TIN-ZINC (2µm MIN.)

NUT

: BRASS, PLATING = NI (5µm MIN.)

GASKET

: SILICONE RUBBER

INSULATOR

: TPX

IV. ENVIRONMENTAL -

TEMP RANGE

: -40°C TO +85°C

WEATHER STANDARD

: IEC 60068 40/ 085/ 21

THERMAL SHOCK

: IEC 60068-2-14-NA

VIBRATION

: IEC 60068-2-6-FC

SHOCK

: IEC 60068-2-27

WATERPROOFING STANDARD

: IP68

V. ASSEMBLY : INNER AND OUTER CONDUCTOR INSTALLED

VI. ROHS COMPLIANT

0.354" +0/-0.020"

[9,0 +0/-0.5 mm]

0.630" +0.040"/-0

[16,0 +1,0/-0 mm]

0.020" x 45°

[0,5mm x 45°]

RECOMMENDED CABLE STRIPPING DIMENSIONS

0.866" ON HEX

[22,00mm]

0.787"

[20,00mm]

ON FLATS

Ø0.866"

[22,00mm]

0.748" ON HEX

[19,00mm]

4.1/9.5 MALE INTERFACE

1.917" [48.70mm] REF.

SCALE 1.000

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:

2 PLACE DECIMAL 3 PLACE DECIMAL ANGLES

±.015 (0,381 mm) ±.005 (0,127 mm) ± 1°

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MATERIAL

SEE NOTES

REFERENCE

DRAWN MOHAN

DATE 12-Sep-13

ENGINEER MOHAN

DATE 12-Sep-13

APPROVED B.C. GLEISSNER

DATE 14-Oct-13

CAD FILE

TITLE

4.1/9.5 MALE FOR 1/2" HELICAL CABLE

Amphenol Connex

SCALE: 4.0:1 SHEET 1 OF 1

DWG SIZE B

DRAWING NO. 332110

REV A