



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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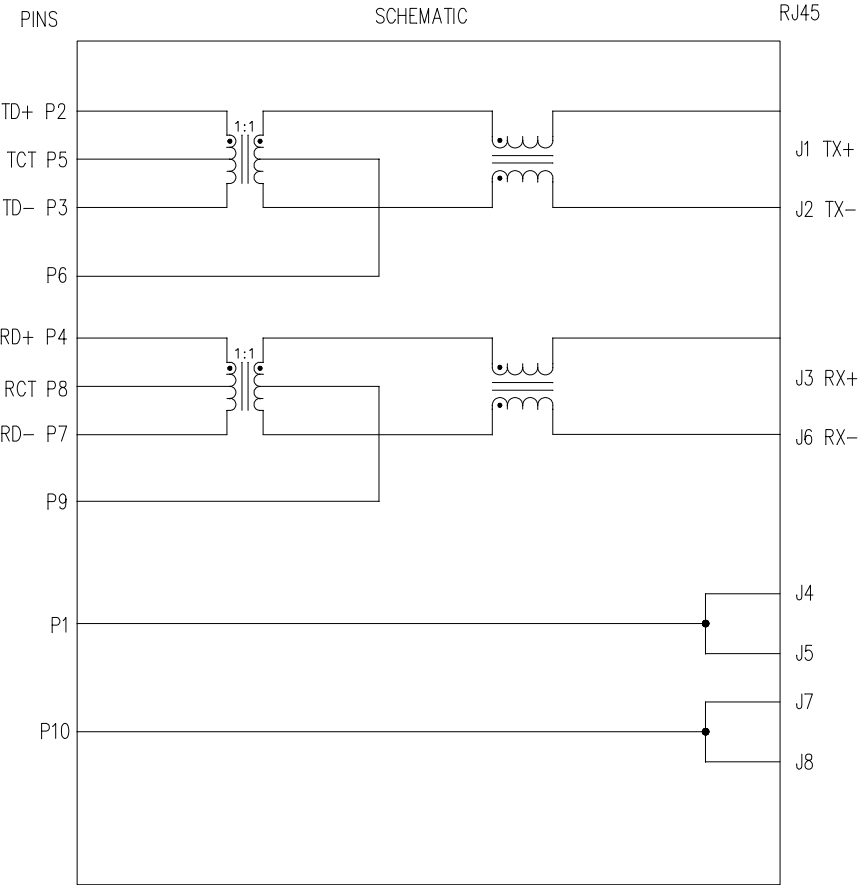


ELECTRICAL CHARACTERISTICS @ 25°C

OPERATING TEMPERATURE RANGE: -40° C TO 85° C



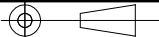
CURRENT CARRYING CAPABILITY ON UNUSED PAIRS: 3A MAX P9 & P10
1.5A MAX J4, J5, J7, & J8

- 1.0 TURNS RATIO: (P2-P3) : (J1-J2) : 1CT : 1CT ± 3%
(P4-P7) : (J3-J6) : 1CT : 1CT ± 3%
- 2.0 INDUCTANCE: (P2-P3) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P4-P7) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 DC RESISTANCE: (P2-P3); (P4-P7) : 1.2 OHMS
(J1-J2); (J3-J6) : 1.2 OHMS
- 4.0 RETURN LOSS: (P2-P3)=100 OHMS REF. AND (P4-P7)=100 OHM REF.
1MHz TO 30MHz : 18dB MIN.
31MHz TO 80MHz : 12dB MIN.
- 5.0 INSERTION LOSS: RS & RL =100 ohms
1MHz TO 100MHz : 1.1 dB TYP
- 6.0 CROSS TALK: 1MHz – 100 MHz : 35 dB TYP
- 7.0 DIFFERENTIAL TO COMMON MODE ATTENUATION:
1MHz TO 100MHz : 40dB TYP
- 8.0 DIELECTRIC WITHSTAND: (P2-P3) TO (J1-J2) : 1500 Vrms
(P4-P7) TO (J3-J6) : 1500 Vrms



NOTES

1.0 COMPLIES WITH THE EUROPEAN DIRECTIVE 2002/95/EC, CALLING FOR THE ELIMINATION OF LEAD AND OTHER HAZARDOUS SUBSTANCES FROM ELECTRONIC PRODUCTS.

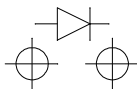
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		
Bain Liu	10-15-08	 10/100BT VERTICAL, SHIELDED	SI-46012-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : 01	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
LW Yuan	10-15-08		SI-46012-F.DWG	.XX		PAGE : 1	
				.XXX	±0.005		

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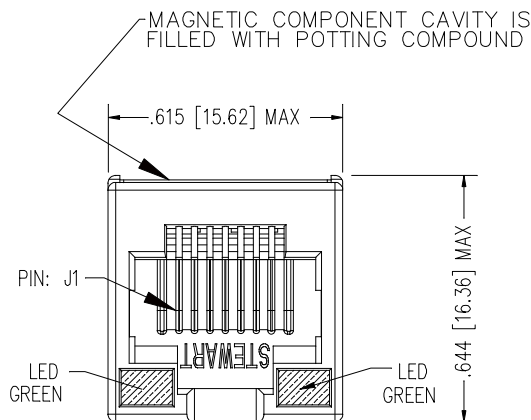
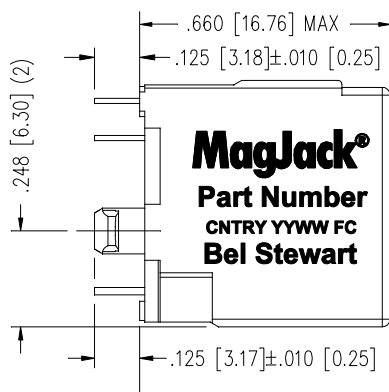
RoHS
2002/95/EC



LED POLARITY (ENLARGED VIEW)



SINGLE COLOR LED



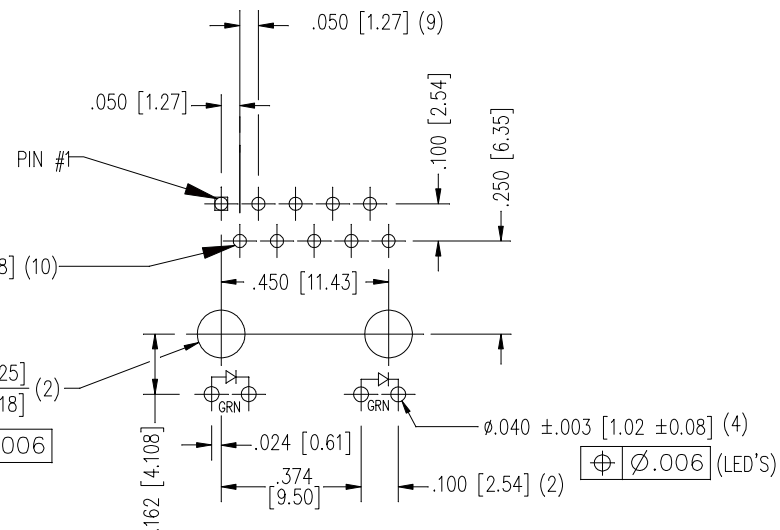
MAGNETIC COMPONENT CAVITY IS FILLED WITH POTTING COMPOUND

(SIGNAL)
 $\phi .035 \pm .003$ [0.89 \pm 0.08] (10)

$\phi \phi .006$

(POSTS) $\phi .128$ [3.25]
 $\phi .125$ [3.18] (2)

$\phi \phi .006$



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.

NOTES:

- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT: COPPER ALLOY
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005$ [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

LED SPECIFICATIONS

STANDARD LED	* FORWARD VOLTAGE (MAX)	* FORWARD VOLTAGE (TYP)	POWER DISSIPATION	WAVELENGTH	LUMINOUS INTENSITY @ 10mA
GREEN DIFFUSED	2.6 V	2.25 V	105 mW	555 nm	MIN MAX
					2 MCD 8 MCD

* WITH A FORWARD CURRENT OF 20 mA

ORIGINATED BY

Bain Liu

DATE

10-15-08

TITLE

MagJack®

10/100BT
VERTICAL, SHIELDED

PART NO. / DRAWING NO.

SI-46012-F

FILE NAME

SI-46012-F.DWG

STANDARD DIM.
TOL. IN INCH

.X

.XX

.XXX

±0.005

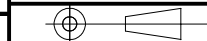
[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]

REV. : 01

SCALE : N/A

SIZE : A4



PAGE : 2

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COMPONENTS FOR A
CONNECTED
PLANET