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ELECTRICAL CHARACTERISTICS @ 25°C

1.0 TURNS RATIO: (P3-P5-P6) : (J3-J6) : 1CT : 1CT ± 3% (P1-P4-P2) : (J1-J2) : 1CT : 1CT ± 3%

2.0 INDUCTANCE: (P1-P2) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias (P3-P6) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P6-P3 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz P2-P1 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P6,P5,P3) TO (J6,J3) : 30pf MAX @ 1MHz (P2,P4,P1) TO (J2,J1) : 30pf MAX. @ 1MHZ

5.0 DC RESISTANCE: (J6-J3)=(J2-J1) : 1.2 ohms Max.

RECEIVE

6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P2)=100 OHM REF.

 1MHz TO 30MHz
 : 18dB MIN.

 60MHz TO 80MHz
 : 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P2) : 1500 Vrms (J3, J6) TO (P3, P6) : 1500 Vrms

8.0 INSERTION LOSS: RS=RL=100 ohms 100KHz TO 100MHz : 1.1 dB TYP

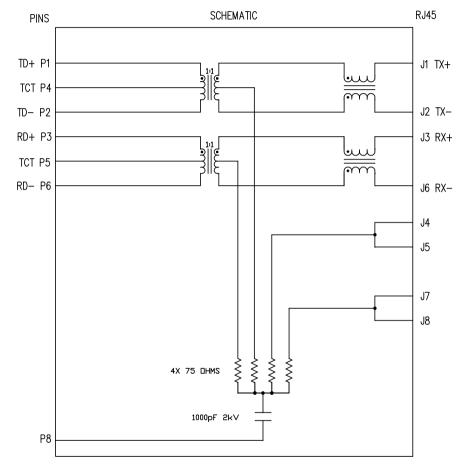
9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS

OUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX PULSE WIDTH= 112nS : 3.0 nS MAX

10.0 CROSS TALK: 1MHz TO 100MHz : 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : 35dB TYP

12.0 OPERATING TEMPERATURE : 0°C TO 70°C

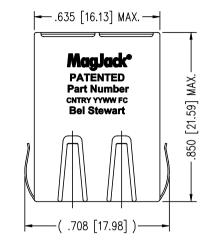


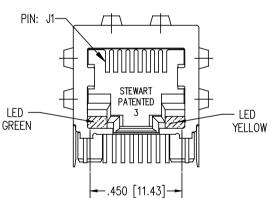
NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY	DATE	TITLE Man Inclusion	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[] METRIC DIM. AS REF	ERENCE	
Zeng Xiao Chun	07-04-2011	''' - MagJack ®	SI-60116-F	TOL. IN	INCH	UNIT : INCH [mm]	REV.: A0	bel
DRAWN BY	DATE	10/100BT	FILE NAME	x		SCALE: N/A	SIZE: A4	COMPONENTS FOR A
		TAB DOWN SHIELDED	SI-60116-F.DWG	.XX			0.22.7.7	CONNECTED PLANET
Zhang Ru Sheng	07-04-2011	PATENTED	31-00110 - F.D W G	.xxx	±0.005		PAGE: 2	

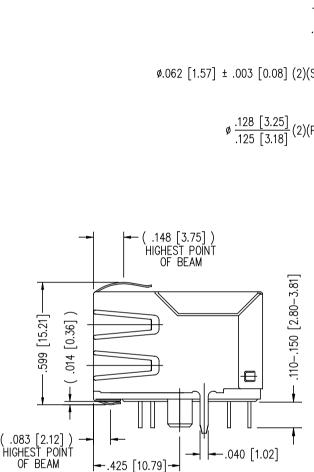
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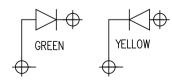


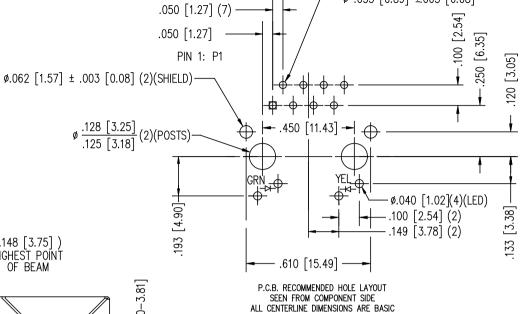
LED SPECIFICATION							
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)				
GREEN	565 nm	2.5 V	2.2 V				
YELLOW	590 nm	2.5 V	2.1 V				

*WITH A FORWARD CURRENT OF 20 mA (TYP)



LED POLARITY DETAIL





NOTES:

1. CONNECTOR MATERIALS:

HOUSING: THERMOPLASTIC UL94 V-0 CONTACT/SHIELD: COPPER ALLOY SHIELD PLATING: NICKEL OR TIN CONTACT PLATING: SELECTIVE GOLD,

50 MICRO-INCHES MIN. IN CONTACT AREA.

RoHS

- 2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED. SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- 3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.

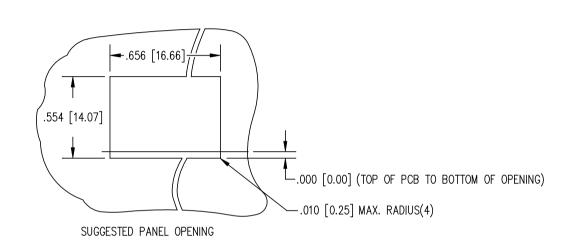
ø .035 [0.89] ±.003 [0.08]

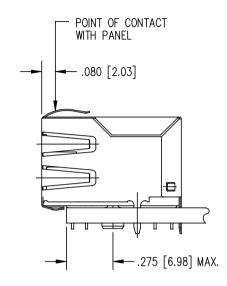
- 4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]
- 5. REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

ORIGINATED BY	DATE	MagJack [®]	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[] METRIC DIM. AS REF	ERENCE	
Zeng Xiao Chun	07-04-2011		SI-60116-F	TOL. IN	INCH	UNIT : INCH [mm]	REV.: A0	bel
DRAWN BY	DATE	10/100BT	FILE NAME	.X		SCALE: N/A	SIZE : A4	COMPONENTS FOR A
		TAB DOWN SHIELDED	SI-60116-F.DWG	.XX		—	SIZE . AT	CONNECTED PLANET
Zhang Ru Sheng	07-04-2011	PATENTED		.XXX	±0.005		PAGE: 3	

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- 1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
- 2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

ORIGINATED BY	DATE	TITLE
Zeng Xiao Chun	07-04-2011	
DRAWN BY	DATE	
Zhang Ru Sheng	07-04-2011	

MagJack®
10/100BT
TAB DOWN SHIELDED
PATENTED

PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE			
SI-60116-F	TOL. IN	INCH	UNIT : INCH [mm]	REV.: A0		
FILE NAME	.X		SCALE: N/A	SIZE: A4		
SI-60116-F.DWG	.XX		A	1		
01-00110-1.5410	.xxx	±0.005		PAGE: 4		

