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PATENTED:
THIS PRODUCT IS
COVERED BY U.S.
PATENT 5,736,910



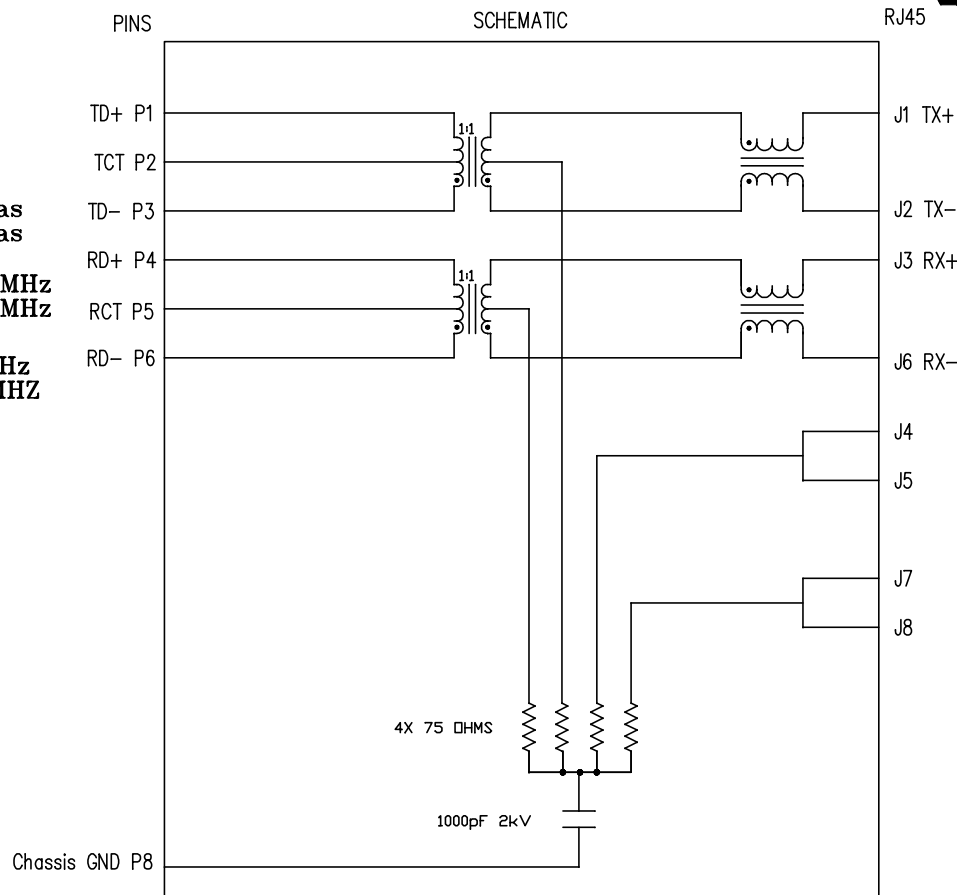
DOCUMENT / PART NO.: SI-50170-G

TITLE : 10/100BT,TAB DOWN,SHIELDED

ISSUE	DESCRIPTION OF CHANGE								REVIEWED BY				APPROVED BY				ECN#	
A0	Use new format and release production								Bain Liu				Steve Weller				06373	
									</									

ELECTRICAL CHARACTERISTICS @ 25°C

- 1.0 TURNS RATIO: (P4-P5-P6) : (J3-J6) : 1CT : 1CT \pm 3%
(P3-P2-P1) : (J2-J1) : 1CT : 1CT \pm 3%
- 2.0 INDUCTANCE: (P4-P6) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P3-P1) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT): 0.3uH MAX. @ 1MHz
P3-P1 (WITH J2 AND J1 SHORT): 0.3uH MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3) : 30pF MAX @ 1MHz
(P3,P2,P1) TO (J2,J1) : 30pF MAX. @ 1MHz
- 5.0 DC RESISTANCE: (J6-J3)=(J2-J1) : 1.35 ohms Max.
- 6.0 RETURN LOSS(P4-P6)=100 OHMS AND (P1-P3)=100 OHM REF.
1MHz TO 30MHz : 18dB MIN.
60MHz TO 80MHz : 12dB MIN.
NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J3-J6).
- 7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) : 1500 Vrms
(J3, J6) TO (P4, 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: 1-100 MHz : 40 dB TYP
- 11.0 COMMON TO COMMON MODE ATTENUATION0MHz TO 100MHz: 35dB TYP

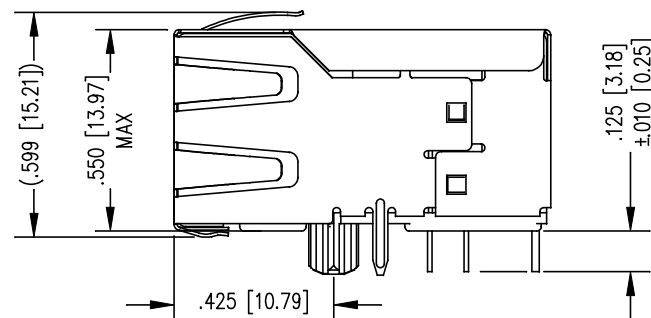
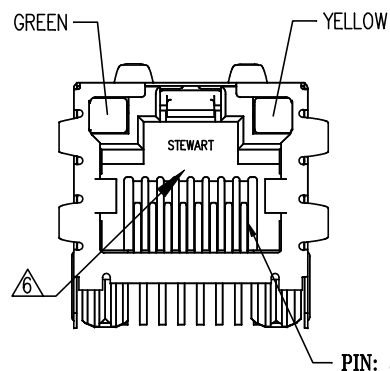
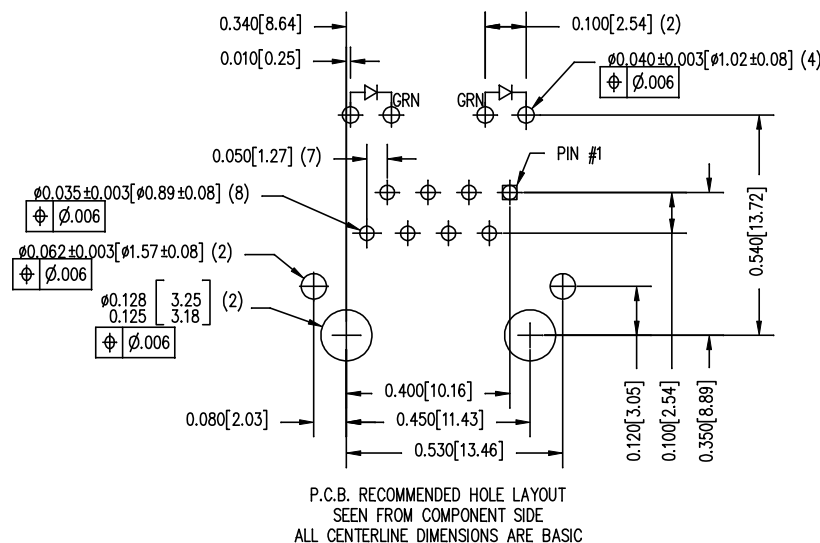
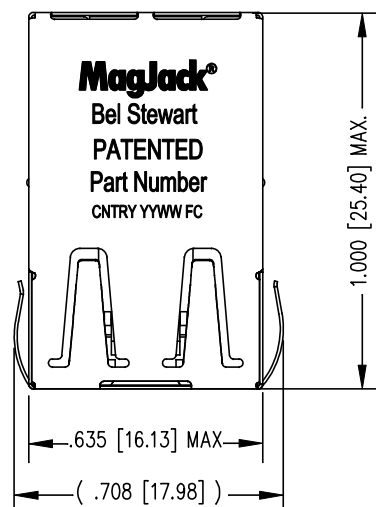


NOTES: 1.0 UNUSED PIN P7 IS OMITTED.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
Zeng Xiao Chun	08-01-2011	MagJack® 10/100BT, TAB DOWN,SHIELDED PATENTED	SI-50170-G	TOL. IN INCH	UNIT : INCH [mm]	REV. : A0
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
Zhang Ru Sheng	08-01-2011		SI-50170-G.DWG	.XX .XXX		PAGE : 2

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RoHS
2002/95/EC




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)

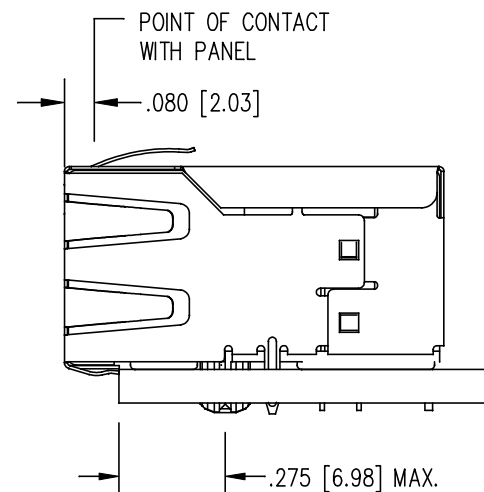
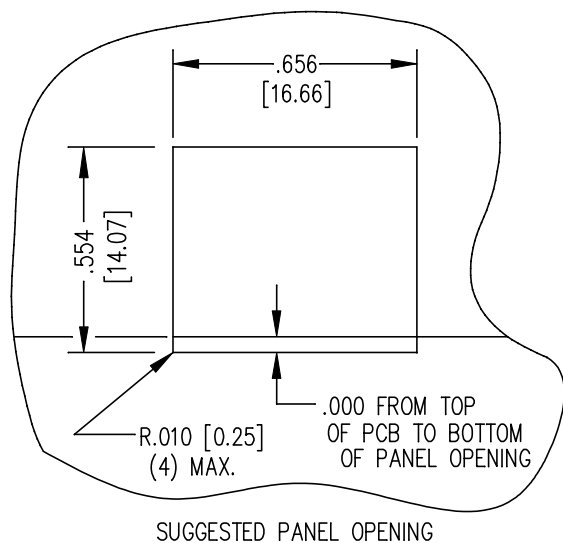
NOTES:

- 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.
- 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 ± 0.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE-260°C FOR 10 SECONDS MAX.

JACK PORT CONTAINS ENVIRONMENTAL PROTECTION COATING.

ORIGINATED BY	DATE	TITLE <div>MagJack®</div> <div>10/100BT,</div> <div>TAB DOWN,SHIELDED</div> <div>PATENTED</div>	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		<div>bel</div> <div>COMPONENTS FOR A CONNECTED PLANET™</div>	
X C Zeng	08-01-2011		SI-50170-G	TOL. IN INCH		UNIT : INCH [mm]			REV. : A0
DRAWN BY	DATE		FILE NAME <div>SI-50170-G.DWG</div>	.X	<div></div>	SCALE : N/A			SIZE : A4
R S Zhang	08-01-2011			.XX		<div></div>			<div></div>
				.XXX					





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 ± 0.005 [0.13]

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R S Zheng	08-01-2011		SI-50170-G.DWG	.XX			PAGE : 4
				.XXX	± 0.005		