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RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

1.0 INDUCTANCE:

(P2-P3)
(P4-P5)
(P7-P8)
(P9-P10)

350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
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350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS

2.0 TURNS RATIO:

(P2-P3):(J1-J2)
(P4-P5):(J3-J6)
(P7-P8):(J4-J5)
(P9-P10):(J7-J8)

1CT : 1CT ± 2%
1CT : 1CT ± 2%
1CT : 1CT ± 2%
1CT : 1CT ± 2%

3.0 RETURN LOSS: 100 OHM REF.

500kHz TO 40MHz
40MHz TO 100MHz

-18dB MIN.
-12+20LOG(f/80MHz) MIN.

4.0 INSERTION LOSS: RS=RL=100 OHMS

100kHz TO 100MHz

-1.2dB MAX.

5.0 CROSS TALK: Ch1-Ch2, Ch1-Ch3, Ch1-Ch4, Ch2-Ch3, Ch2-Ch4, Ch3-Ch4

1MHz TO 30MHz
30MHz TO 80MHz
80MHz TO 100MHz

-35dB MIN.
-24dB MIN.
-25dB MIN.

6.0 CM TO CM REJECTION:

100kHz TO 100MHz

-30dB MIN.

7.0 CM TO DM REJECTION:

100kHz TO 100MHz

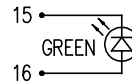
-35dB MIN.

8.0 VOLTAGE WITHSTAND:

(J1,J2) TO (P2,P3)
(J3,J6) TO (P4,P5)
(J4,J5) TO (P7,P8)
(J7,J8) TO (P9,P10)

1500Vrms
1500Vrms
1500Vrms
1500Vrms

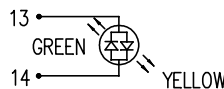
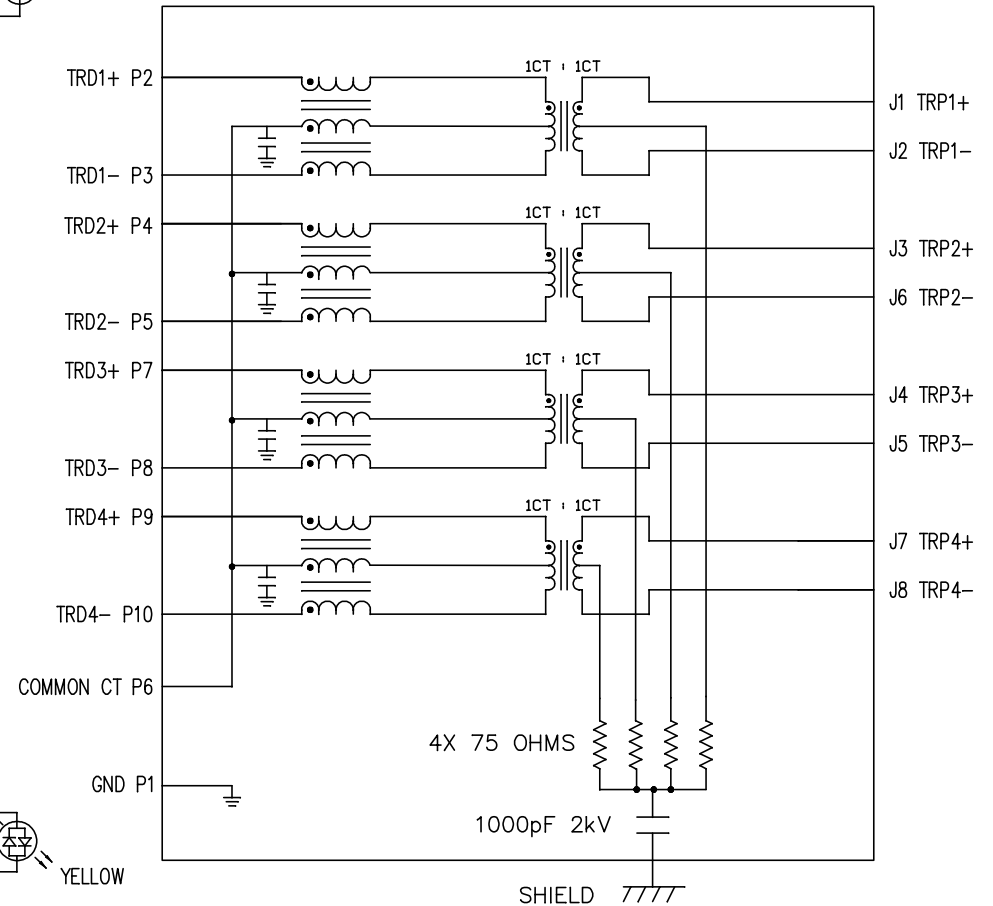
9.0 THIS COMPONENT IS A PATENT PRODUCT;US PATENT NUMBER 7,123,117.

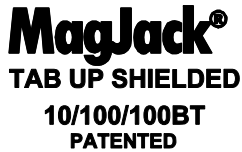
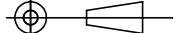


PINS

SCHEMATIC

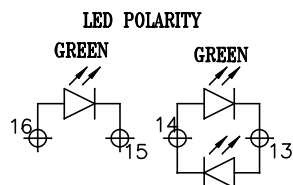
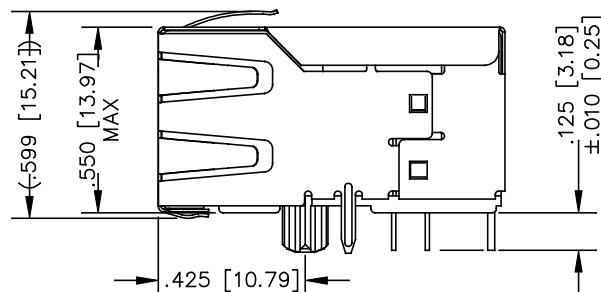
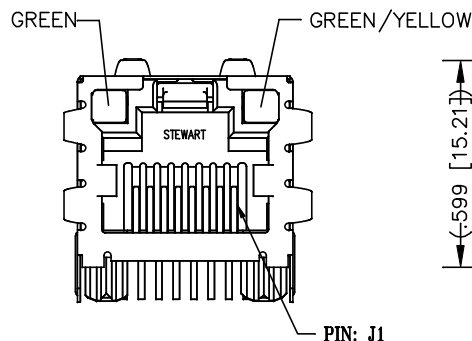
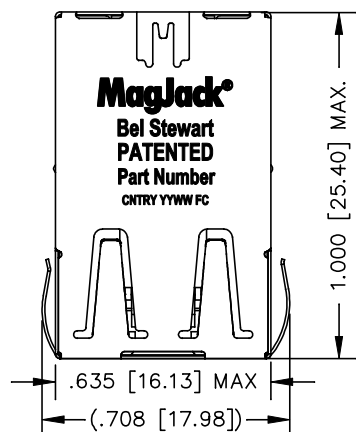
RJ45



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
				TOL. IN INCH		UNIT : INCH [mm]	REV. : 01	
RS Zhang	04-06-10	 TAB UP SHIELDED 10/100/100BT PATENTED	SI-51009-FB	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 2	
RS Zhang	04-06-10		SI-51009-FB.DWG	.XXX	±0.005			

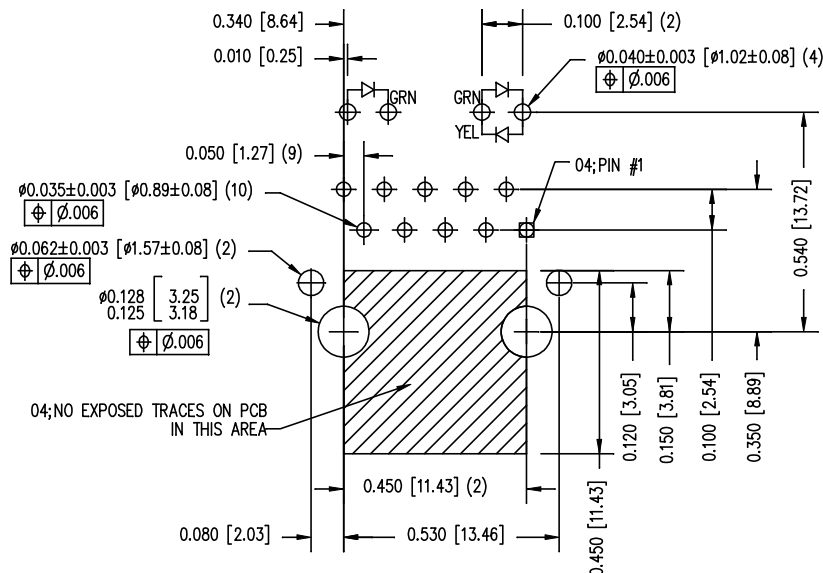
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LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)

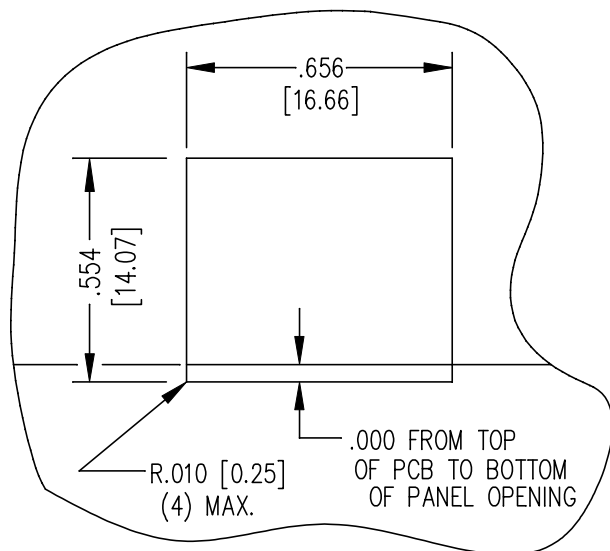


P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
ALL CENTERLINE DIMENSIONS ARE BASIC

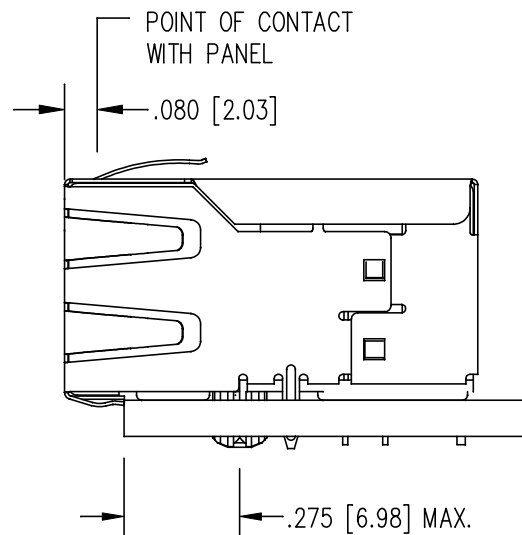
NOTES:

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.
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]
5. REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR
10 SECONDS MAX.

ORIGINATED BY		DATE	TITLE MagJack® TAB UP SHIELDED 10/100/100BT PATENTED	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
RS Zhang		04-06-10		SI-51009-FB		TOL. IN INCH		UNIT : INCH [mm]	REV. : 01	
DRAWN BY		DATE		FILE NAME				SCALE : N/A	SIZE : A4	
RS Zhang		04-06-10		SI-51009-FB.DWG					PAGE : 3	



SUGGESTED PANEL OPENING



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]

ORIGINATED BY	DATE	TITLE MagJack® TAB UP SHIELDED 10/100/100BT PATENTED	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET	
RS Zhang	04-06-10		SI-51009-FB		TOL. IN INCH		UNIT : INCH [mm]			REV. : 01
DRAWN BY	DATE		FILE NAME		.X		SCALE : N/A			SIZE : A4
RS Zhang	04-06-10		SI-51009-FB.DWG		.XX		PAGE : 4			
					.XXX ±0.005					