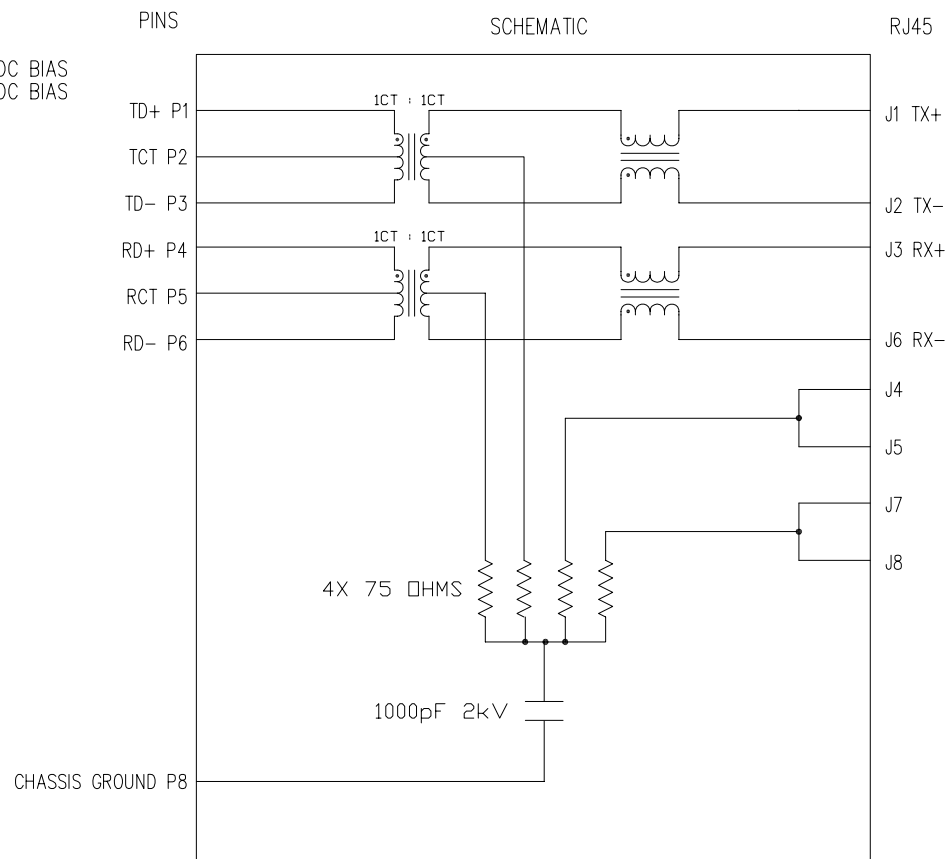


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ELECTRICAL CHARACTERISTICS @ 25°C

1.0 INDUCTANCE: (P6-P4)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
(P3-P1)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
2.0 TURNS RATIO: (P6-P4):(J6-J3)	:	1CT : 1CT ± 3%
(P3-P1):(J2-J1)	:	1CT : 1CT ± 3%
3.0 DC RESISTANCE: (J6-J3)=(J2-J1)	:	1.5 OHMS MAX.
4.0 INSERTION LOSS: 100kHz TO 100MHz	:	-1.1dB TYP.
5.0 RETURN LOSS: 100 OHMS SOURCE APPLIED TO J-PINS	:	
1MHz TO 30MHz	:	-18dB MIN.
60MHz TO 80MHz	:	-12dB MIN.
NOTE: 100 OHMS CONNECTED TO (P6-P4) OR (P1-P3)		
6.0 CROSS TALK: 1MHz TO 100MHz	:	-40dB TYP.
7.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz	:	-35dB TYP.
8.0 RISE TIME: OUTPUT VOLTAGE=1 V PEAK	:	3.0 nS MAX
PULSE WIDTH=112ns	:	3.0 nS MAX
9.0 VOLTAGE WITHSTAND: (J1,J2) TO (P1,P3)	:	1500Vrms
(J3,J6) TO (P4,P6)	:	1500Vrms
10.0 OPERATING TEMPERATURE RANGE: -40°C TO 85°C	:	



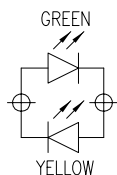
NOTES:
1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		
Bain Liu	10-22-08	MagJack® 10/100BT VERTICAL, SHIELDED	SI-46021-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A0	bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
LW Yuan	10-22-08		SI-46021-F.DWG	.XX		PAGE : 2	
				.XXX	±0.005		

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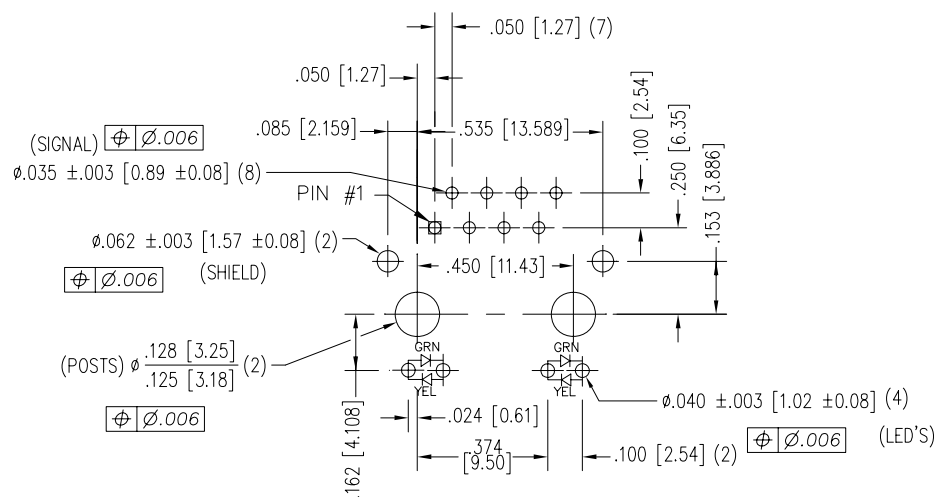


BICOLOR LED POLARITY



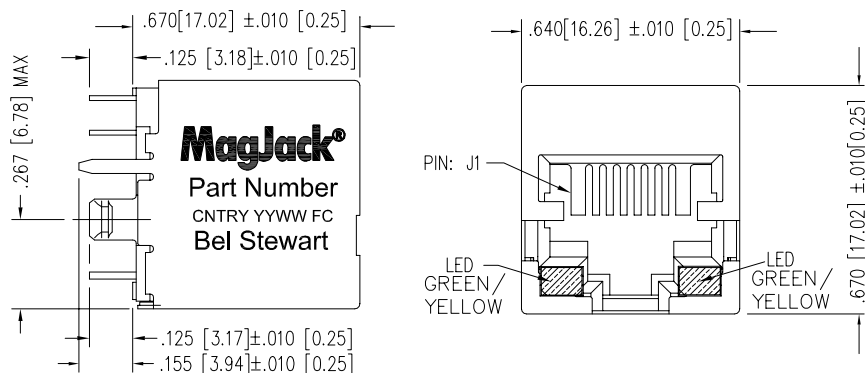
LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	*(TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)



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

ALL CENTERLINE DIMENSIONS ARE BASIC.



NOTES:

- 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]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
Bain Liu	10-22-08	MagJack® 10/100BT VERTICAL, SHIELDED	SI-46021-F		UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
LW Yuan	10-22-08		SI-46021-F.DWG	.XX	SIZE : A4	
				.XXX	±0.005	PAGE : 3

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