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ELECTRICAL CHARACTERISTICS @ 25° C

CURRENT CAPABILITY FOR POWER LINES:	400 mA MAX	PINS
1.0 INDUCTANCE:		
(P4-P6)	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS	TD+ P1
(P1-P3)	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS	TCT P2
2.0 TURNS RATIO:		TD- P3
(P4-P5-P6):(J3-J6)	1CT : 1CT ± 3%	RD+ P4
(P1-P2-P3):(J1-J2)	1CT : 1CT ± 3%	TCT P5
3.0 LEAKAGE INDUCTANCE:		RD- P6
P4-P6 (WITH J3 AND J6 SHORT)	0.3 uH MAX. @ 1MHz	P9
P1-P3 (WITH J1 AND J2 SHORT)	0.3 uH MAX. @ 1MHz	P10
4.0 INTERWINDING CAPACITANCE:		
(P4,P5,P6) TO (J3,J6)	30pF MAX. @ 1 MHz	
(P1,P2,P3) TO (J1,J2)	30pF MAX. @ 1 MHz	
5.0 DC RESISTANCE:		
(J3-J6)=(J1-J2)	1.2 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 (J1-J2) OR (J3-J6).		
7.0 DIELECTRIC WITHSTAND:		
(J1, J2) TO (P1, P3)	1500 VAC	
(J3, J6) TO (P4,P6)	1500 VAC	
8.0 INSERTION LOSS: RS=RL=100 ohms		
100KHz TO 100MHz	-1.1 dB	
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	

NOTES
1.0 PINS WITHOUT ELECTRICAL

ORIGINATED BY	DATE
Bain Liu	2013-01-09
DRAWN BY	DATE
Duan Jun	2013-01-09

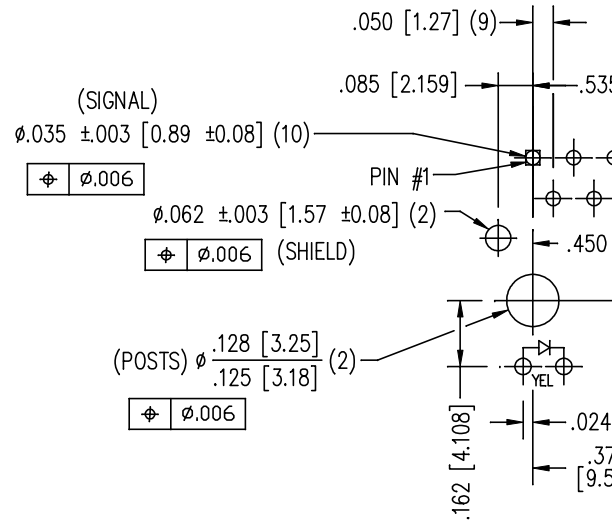
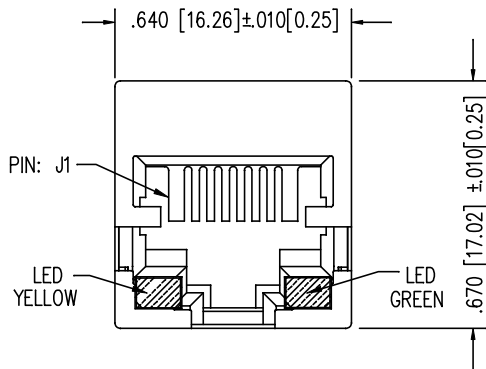
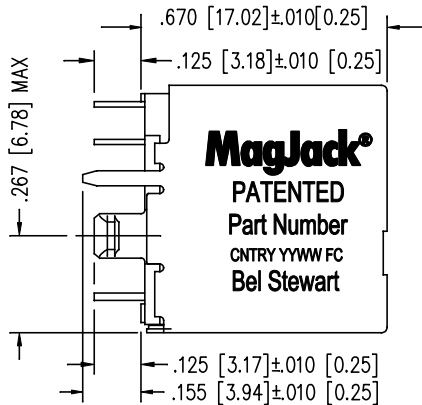
TITLE

MagJack®
10/100BT
VERTICAL, SHIELDED
PATENTED

PART NO. / DRAWING NO.
SI-46004-F
FILE NAME
SI-46004-F.DWG

STANDARD DIM.	TOL. IN INCH
.X	
.XX	
.XXX	±0.00

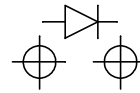
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P.C.B. RECOMMENDATION
SEEN FROM CO

ALL CENTERLINE DIM

LED POLARITY
(ENLARGED VIEW)



SINGLE COLOR LED

NOTES:

- CONNECTOR MOUNTING HOUSING: THE CONTACT/SHIELD CONTACT PLATING
- PIN NOT ELECTRICAL SEE ELECTRICAL
- TOLERANCES CO
- ALL TOLERANCE
- WAVE SOLDER C

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)

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±0.00

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