

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[SI-60097-F](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

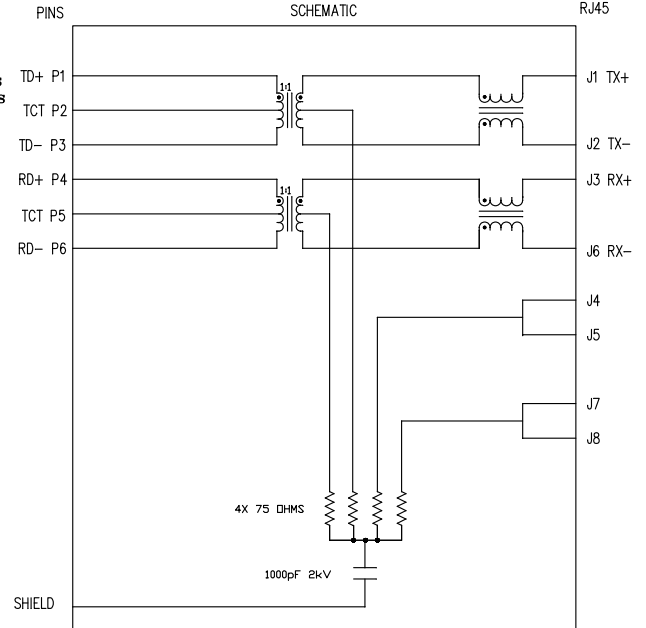
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PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

1.0 TURNS RATIO: (P6-P5-P4) : (J6-J3)	: 1CT : 1CT ± 3%
(P3-P2-P1) : (J2-J1)	: 1CT : 1CT ± 3%
2.0 INDUCTANCE: (P6-P4)	: 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)	: 0.3 MAX. @ 1MHz
P3-P1 (WITH J2 AND J1 SHORT)	: 0.3 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)	: 1.2 ohms Max.
RECEIVE	
6.0 RETURN LOSS: 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, 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: 1MHz TO 100MHz	: 40 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION:	
30MHz TO 100MHz	: 35dB TYP



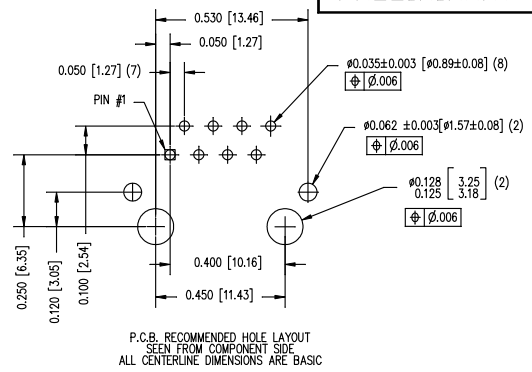
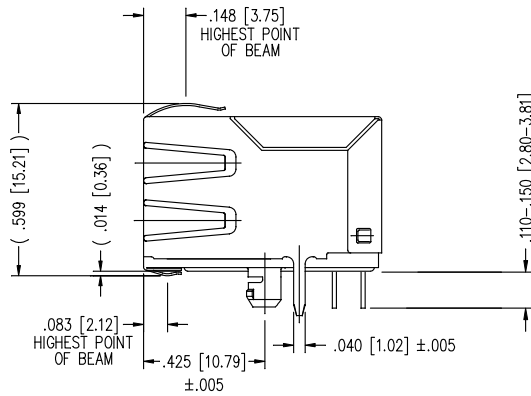
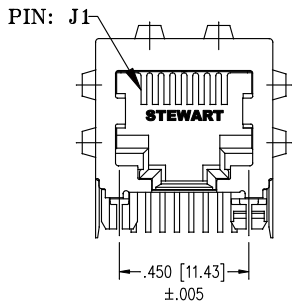
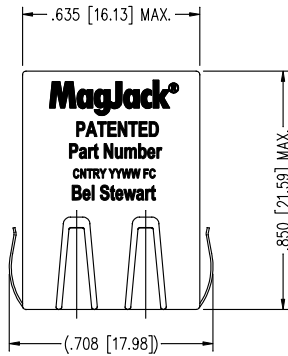
NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
ZL WANG	11-03-09	MagJack®	SI-60097-F	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE	10/100BT	FILE NAME	.X	REV. : X1
RS ZHANG	11-03-09	TAB DOWN, SHIELDED	SI-60097-F.DWG	.XX	SCALE : N/A
		PATENTED		.XXX	SIZE : A4
				±0.005	PAGE : 2



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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 ±.005 [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

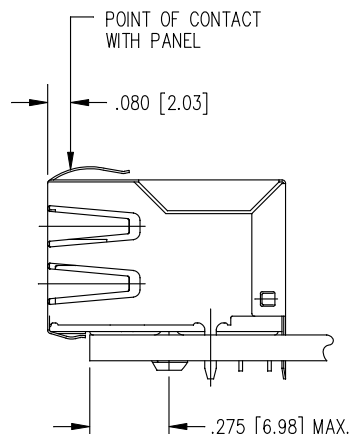
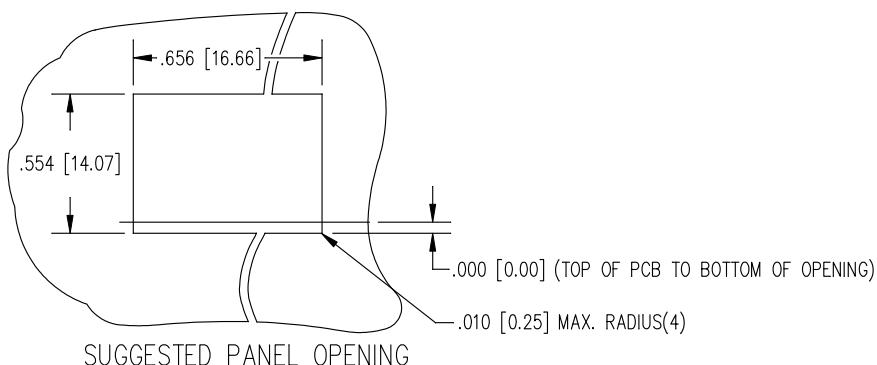
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				±.005	PAGE : 3



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PRELIMINARY

RoHS
2002/95/EC



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	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ZL WANG	11-03-09	MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	SI-60097-F	.X	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A
RS ZHANG	11-03-09		SI-60097-F.DWG	.XXX ± 0.005	SIZE : A4
					PAGE : 4

