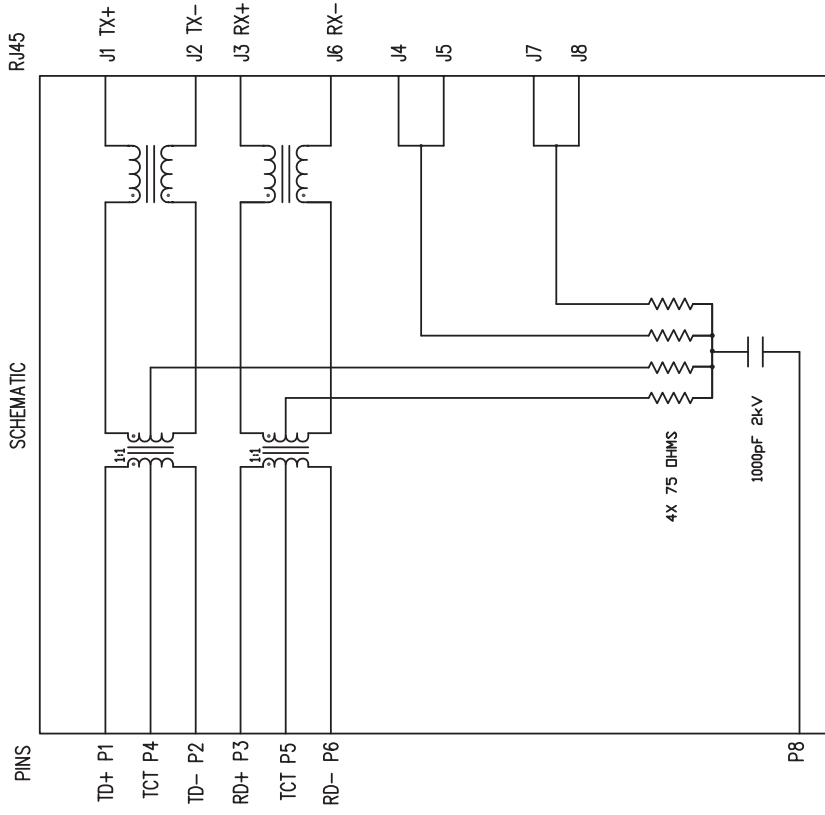


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ELECTRICAL CHARACTERISTICS @ 25°C

- 1.0 TURNS RATIO: (P3-P5-P6) : (J3-J6)
(P1-P4-P2) : (J1-J2)
: 1CT : 1CT± 3%
: 1CT : 1CT ± 3%
- 2.0 INDUCTANCE: (P1-P2) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P3-P6) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: P6-P3 (WITH J6 AND J3 SHORT)
P2-P1 (WITH J2 AND J1 SHORT)
: 0.3 MAX. @ 1MHZ
: 0.3 MAX. @ 1MHZ
- 4.0 INTERWINDING CAPACITANCE: (P6,P5,P3) TO (J6,J3)
(P2,P4,P1) TO (J2,J1)
: 30pf MAX @ 1MHZ
: 30pf MAX. @ 1MHZ
- 5.0 DC RESISTANCE: (J6-J3)=(J2-J1)
: 1.2 ohms Max.
- 6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P2)=100 OHM REF.
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, P2)
(J3, J6) TO (P3, P6)
: 1500 Vrms
: 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
PULSE WIDTH= 112ns
: 3.0 nS MAX
: 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
- 12.0 OPERATING TEMPERATURE : 0°C TO 70°C

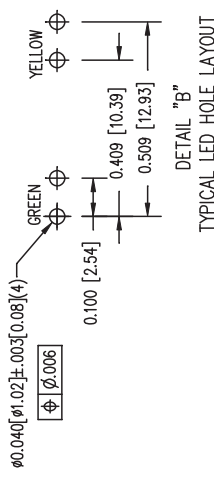


NOTES

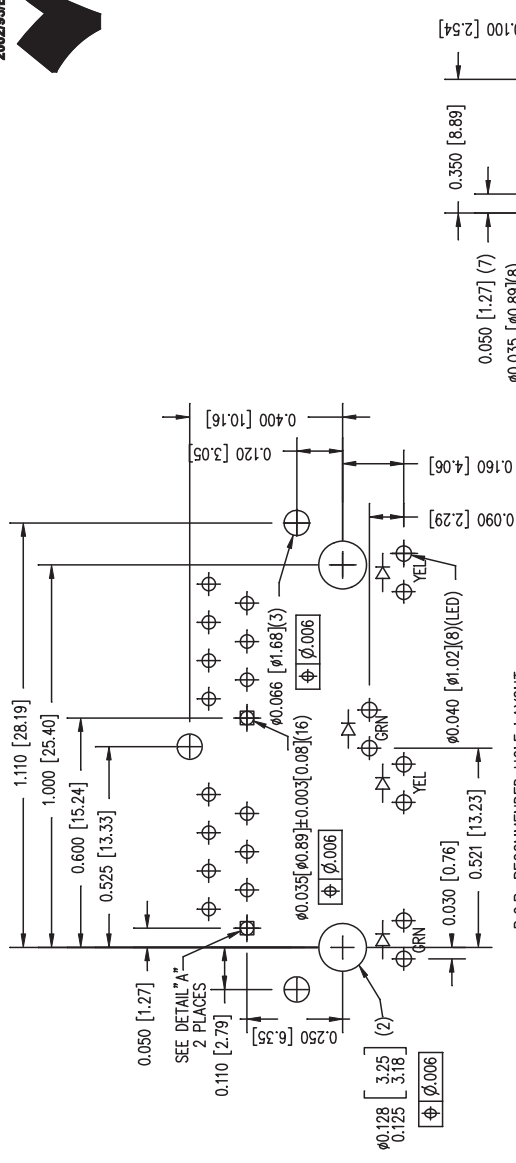
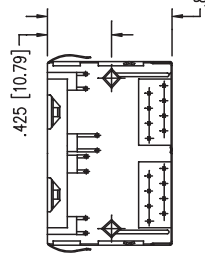
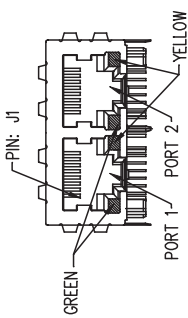
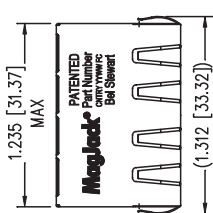
1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY X.B Wei	DATE 05-24-10	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	PART NO. / DRAWING NO. SI-60159-F	STANDARD DIM.	
	DATE 05-24-10			TOL. IN INCH	
DRAWN BY RS Zhang	DATE 05-24-10	FILE NAME SI-60159-F.DWG		[] METRIC DIM. AS REFERENCE	
				UNIT : INCH [mm]	REV. : A2
				SCALE : N/A	SIZE : A4
				.XXX ±0.005	PAGE : 2

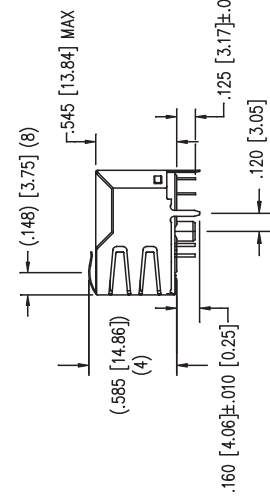
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TYPICAL LED HOLE LAYOUT



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



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

DETAIL "A"
TYPICAL HOLE LAYOUT
2 PLACES

ORIGINATED BY X.B Wei
DRAWN BY RS Zhang
DATE 05-24-10
DATE 05-24-10

TITLE
MagJack®
10/100BT
TAB DOWN, SHIELDED
PATENTED

PART NO. / DRAWING NO.
SI-60159-F
FILE NAME
SI-60159-F.DWG

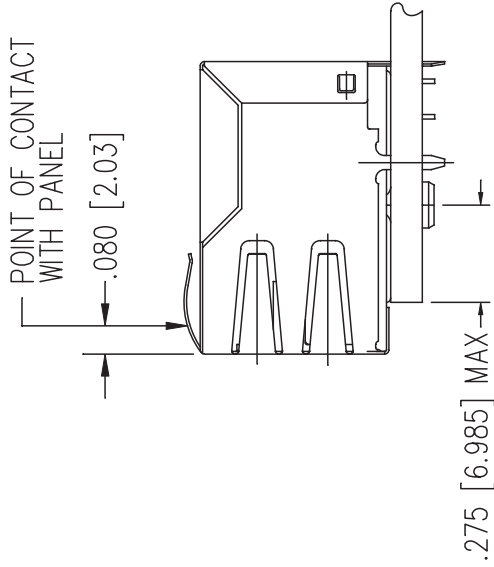
STANDARD DIM. TOL. IN INCH
X
.XX
.XXX
±0.005

[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : A2
SIZE : A4
PAGE : 3

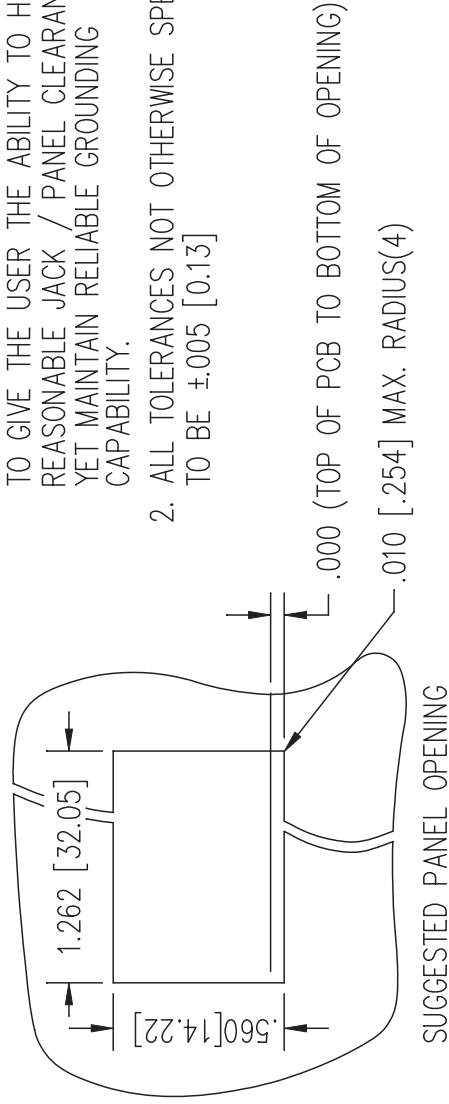


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1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]



ORIGINATED BY	DATE	TITLE
X.B Wei	05-24-10	MagJack® 10/100BT TAB DOWN SHIELDED PATENTED
DRAWN BY	DATE	
RS Zhang	05-24-10	

PART NO. / DRAWING NO.	SI-60159-F
FILE NAME	SI-60159-F.DWG

STANDARD DIM.	TOL. IN INCH
.X	
.XX	
.XXX	± 0.005

[] METRIC DIM. AS REFERENCE	REV. :	A2
UNIT : INCH [mm]	SCALE :	N/A
SIZE : A4		PAGE :
		4



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 [Bel Fuse Inc. Information](#)

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-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management