

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

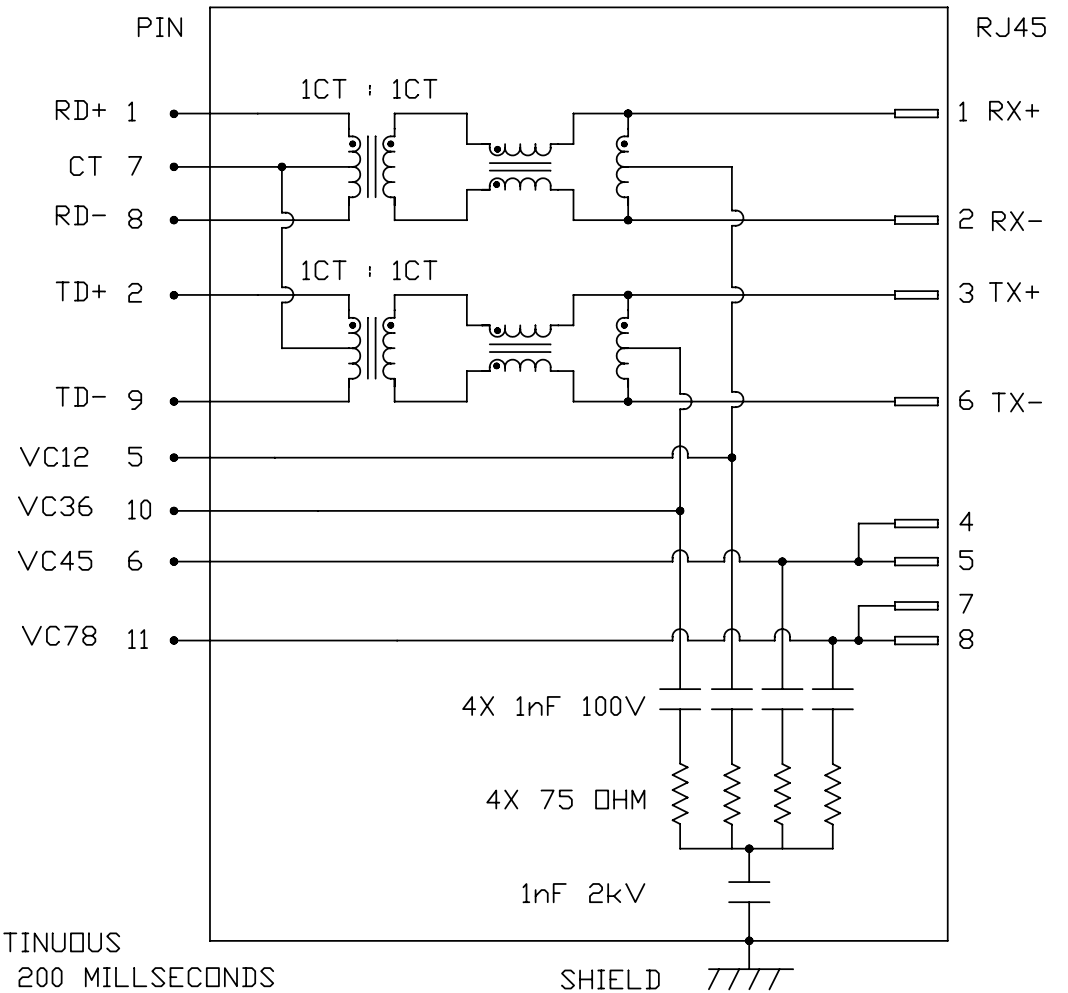
PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO	1CT : 1CT ±2%
□CL @ 100kHz/100mVRMS 8mA DC BIAS	350µH MIN.
INSERTION LOSS 100KHz TO 100MHZ	-1.5 dB MAX.
RETURN LOSS (MIN.) 2MHz-30MHz 60MHz-80MHz	-16 dB MIN. -10 dB MIN.
D.C. RESISTANCE (8-1)=(9-2) (RJ1-RJ2)=(RJ3-RJ6)	1.0 ΩHM MAX. 1.40 ΩHM MAX.
INTERWINDING CAPACITANCE PER CHANNEL (PRI. to SEC.)	40 pF MAX.
CROSS TALK 100KHz - 100MHZ	-30 dB MIN.
HIPOT (ISOLATION VOLTAGE) 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS	2250 VDC
BALANCED DC LINE CURRENT	350mA MAX. @ 57 VDC CONTINUOUS 500mA MAX. @ 57 VDC FOR 200 MILLSECONDS
OPERATING TEMPERATURE:	-40°C TO 85°C

SCHEMATIC



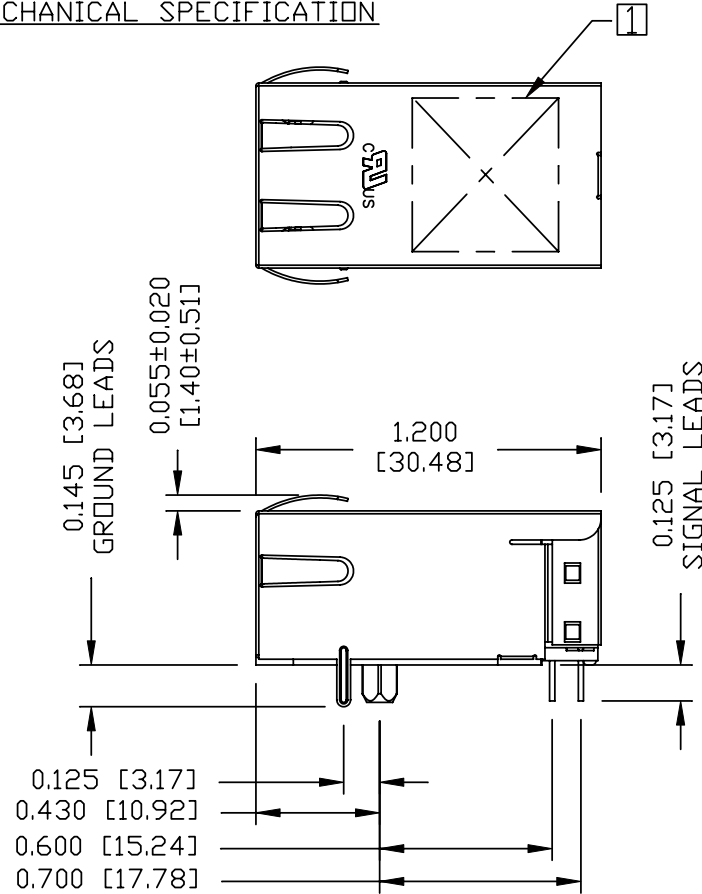
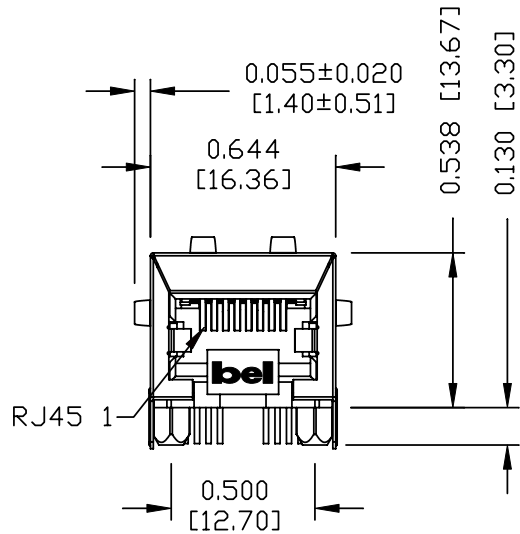
ORIGINATED BY CHOW WANGCHUNG	DATE 04-07-09	TITLE 10/100 MagJack® (PoE, Tab Down) Extended temperature of -57 0813-1X1T-FP-F PATENTED	PART NO. / DRAWING NO. 08131X1TFP-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REFERENCE	
DRAWN BY LI YONGFENG	DATE 04-07-09				UNIT : INCH [mm]	REV. : PB
			FILE NAME 08131X1TFP-F_PB.DWG			PAGE : 2



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MECHANICAL SPECIFICATION



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
- FLAMMABILITY RATING UL 94V-0
- CONTACTS: 50 MICRO-INCH HARD GOLD PLATING WITH UNDERPLATING OF 50 MICRO-INCH NICKEL.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY. (ALL GROUND LEAD ARE SOLDER DIPPED)
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

① MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

- 2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
- 3. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
LIU QIN	04-07-09	10/100 MagJack® (PoE, Tab Down)	08131X1TFP-F	.X	UNIT : INCH [mm] REV. : PB
DRAWN BY	DATE	Extended temperature of -57	FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	04-07-09	0813-1X1T-FP-F PATENTED	08131X1TFP-F_PB.DWG	.XXX ±0.010	PAGE : 3

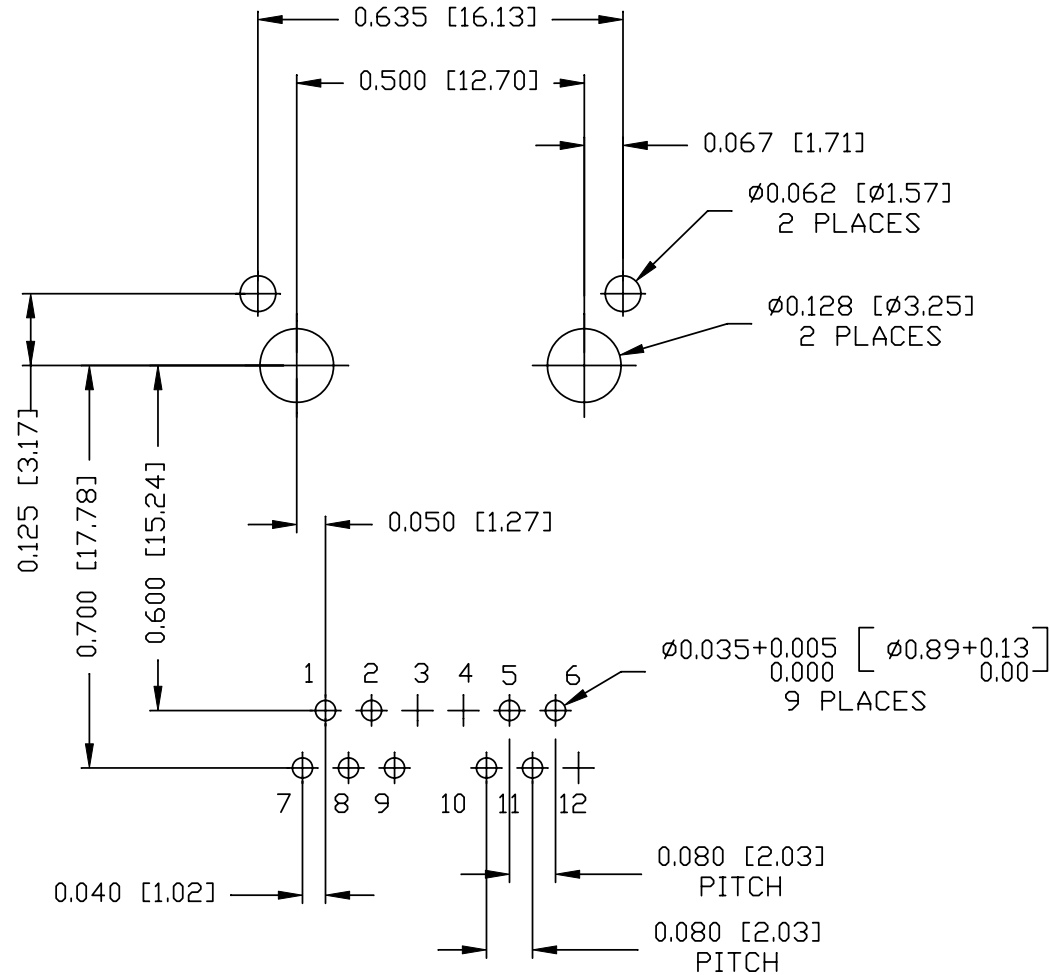


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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

PRELIMINARY

RoHS
2002/95/EC



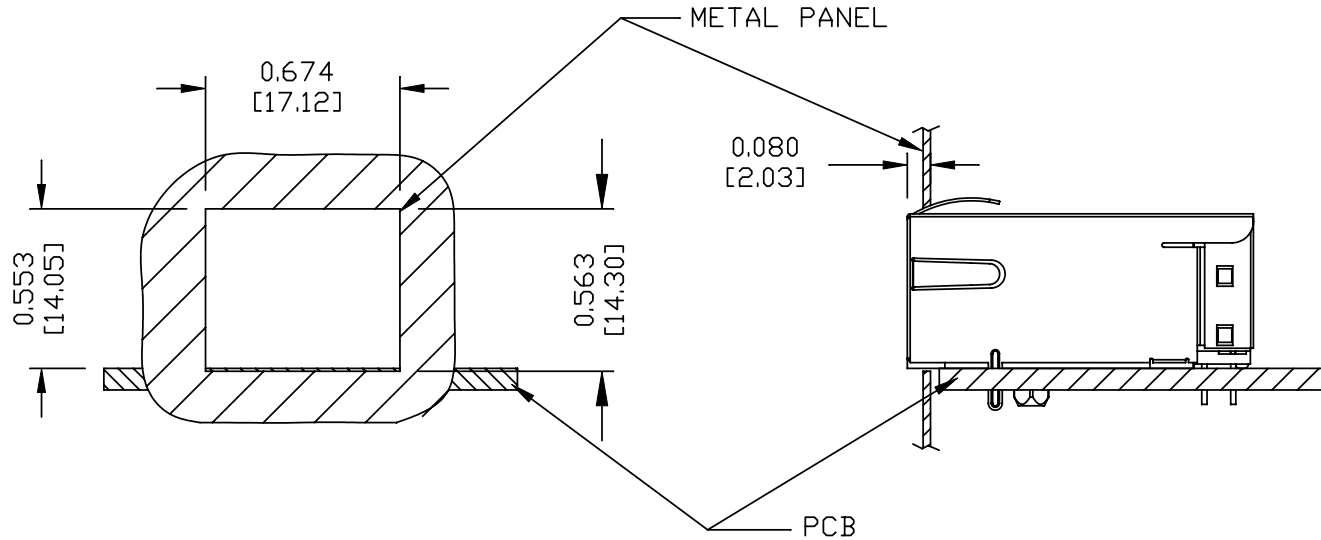
ORIGINATED BY LIU QIN	DATE 04-07-09	TITLE 10/100 MagJack® (PoE, Tab Down) Extended temperature of -57 0813-1X1T-FP-F PATENTED	PART NO. / DRAWING NO. 08131X1TFP-F	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PB		
DRAWN BY XIAN JIAXIN	DATE 04-07-09		FILE NAME 08131X1TFP-F_PB.DWG	.X	/	SCALE : N/A	SIZE : A4	COMPONENTS FOR A CONNECTED PLANET	
				.XX					
				.XXX		±0.004			PAGE : 4

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PRELIMINARY



SUGGESTED PANEL OPENING



NOTES:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.
PACKING INFORMATION

PACKING TRAY : 0200-9999-F1(TOP)
 0200-9999-F2(BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
 10 TRAYS (400 PCS FINISHED GOODS) PER CARTON BOX

NOTER: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
 (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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				.X		UNIT : INCH [mm]	SCALE : N/A		
DRAWN BY XIAN JIAXIN	DATE 04-07-09		FILE NAME 08131X1TFP-F_PB.DWG	.XX			SIZE : A4		COMPONENTS FOR A CONNECTED PLANET
				.XXX	±0.004		PAGE : 5		