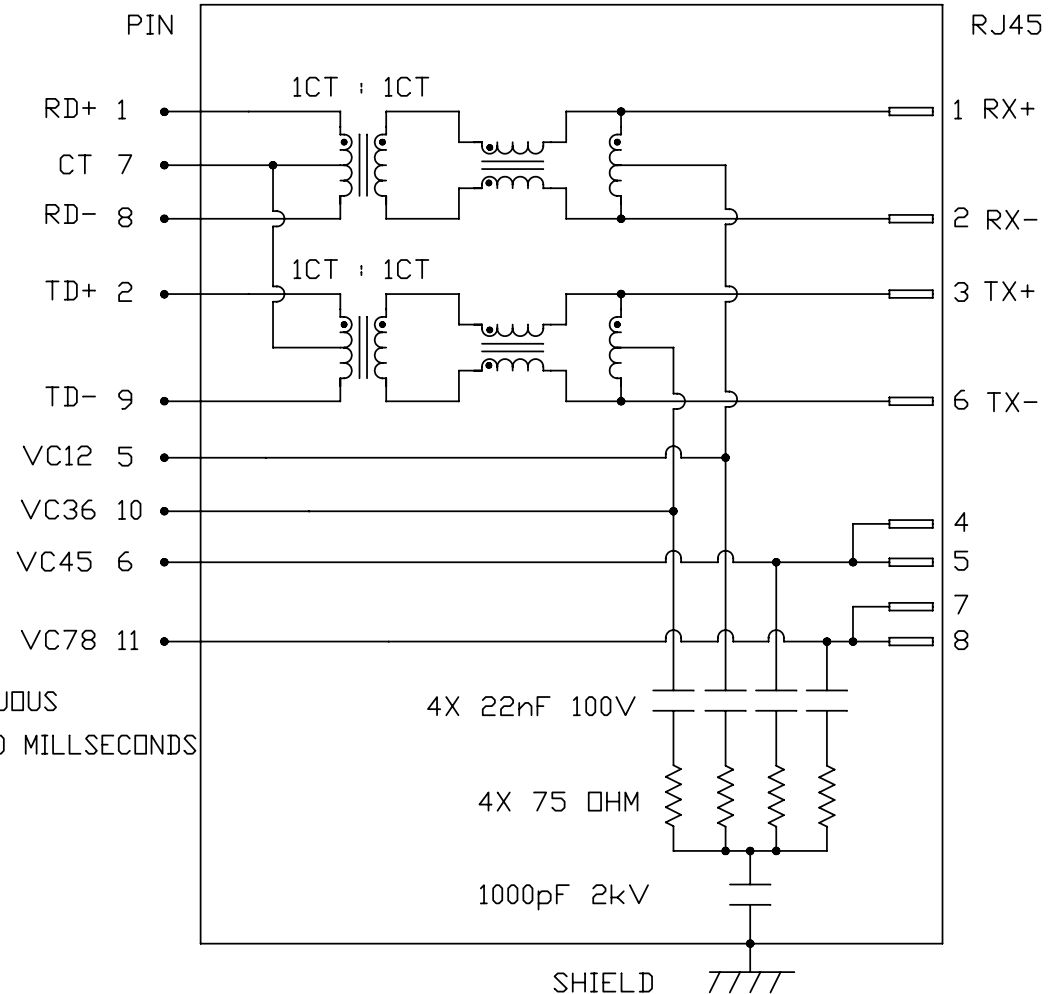



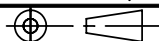


ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO	1CT : 1CT ±2%
QCL @ 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.
CROSS TALK 100KHz - 100MHz	-30 dB MIN.
HIPOT (ISOLATION VOLTAGE) 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENT	2250 VDC
BALANCED DC LINE CURRENT	350mA MAX. @ 57 VDC CONTINUOUS 500mA MAX. @ 57 VDC FOR 200 MILLSECONDS

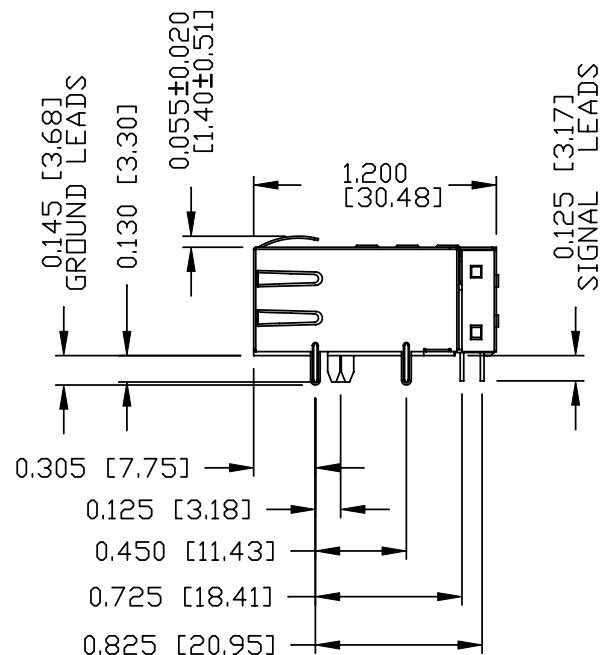
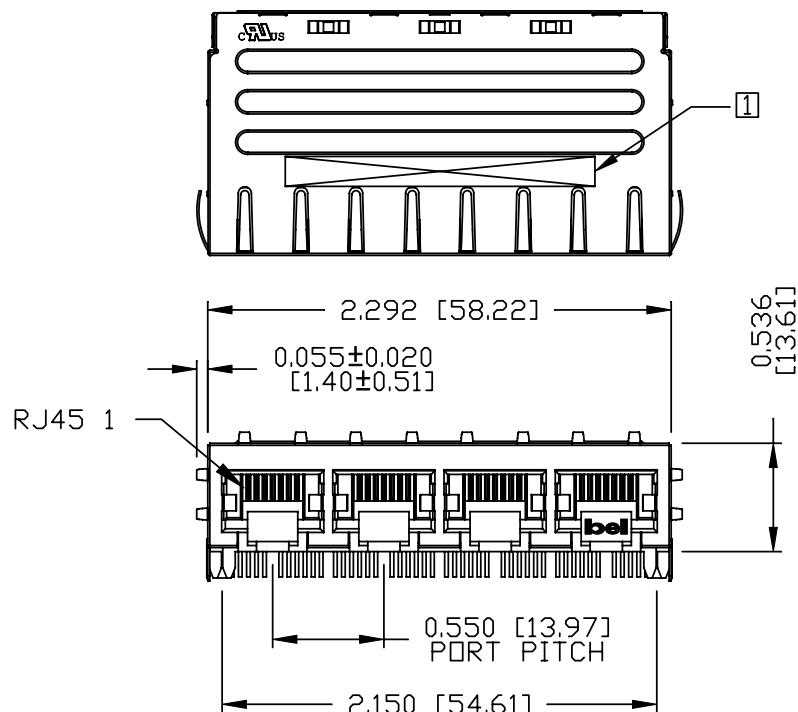
SCHEMATIC



ORIGINATED BY	DATE	TITLE 1x4 MagJack® FOR 10/100 PoE 0813-1X4T-57-F PATENTED	PART NO. / DRAWING NO. 08131X4T57-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		 COMPONENTS OR A CONNECTED PLANET	
CHOW WANGCHUNG	05-19-11		FILE NAME 08131X4T57-F_B.DWG	.X		UNIT : INCH [mm]		REV. : B
DRAWN BY	DATE			.XX		SCALE : N/A		SIZE : A4
LEE WEIDE	05-19-11			.XXX				PAGE : 2

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.

RoHS
2002/95/EC



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

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

cULus UL RECOGNIZED - FILE #E196366 AND E169987.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
2. 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
CHEN BILL	05-19-11	1X4 MagJack® FOR 10/100 PoE	08131X4T57-F	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	0813-1X4T-57-F PATENTED	FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	05-19-11		08131X4T57-F_B.DWG	.XXX ±0.010	PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET

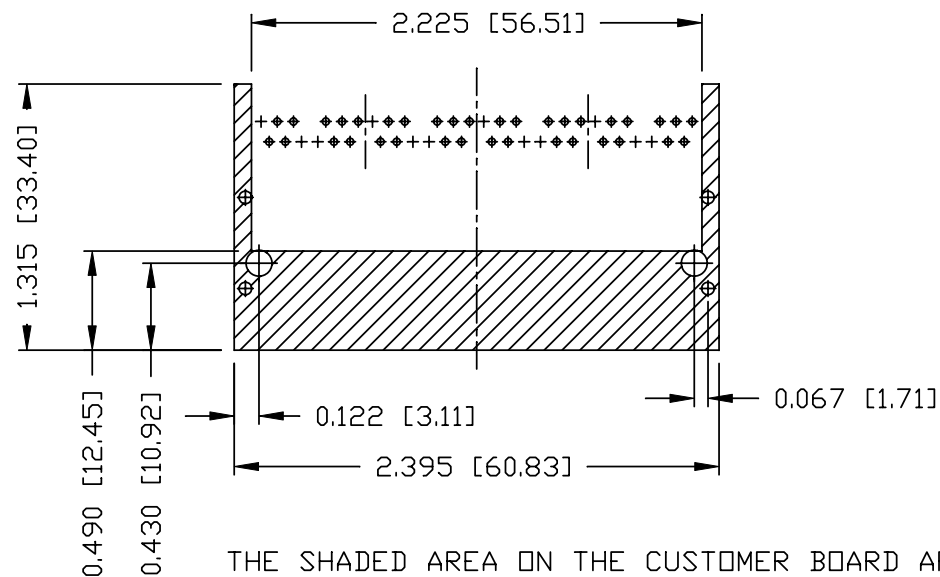
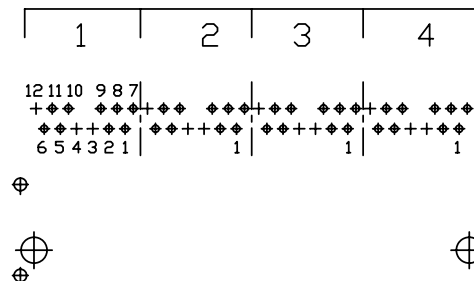
THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.





PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

12	NO PIN
11	VC78
10	VC36
9	TD-
8	RD-
7	CT
6	VC45
5	VC12
4	NO PIN
3	NO PIN
2	TD+
1	RD+

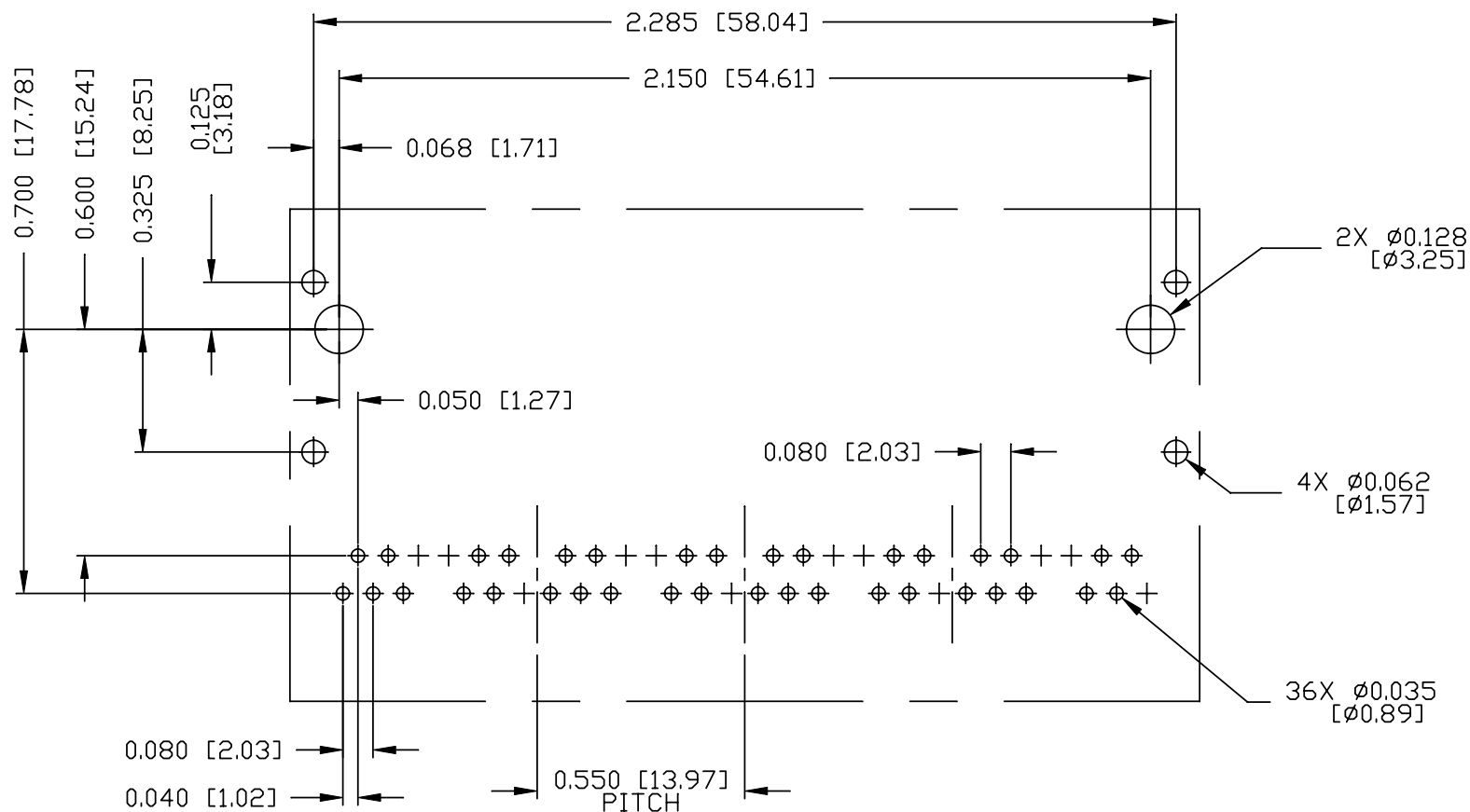
PIN AND PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

ORIGINATED BY	DATE	TITLE 1X4 MagJack® FOR 10/100 PoE 0813-1X4T-57-F PATENTED	PART NO. / DRAWING NO. 08131X4T57-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHEN BILL	05-19-11		FILE NAME 08131X4T57-F_B.DWG	.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE			.XX		SCALE : N/A	SIZE : A4	
HE ZHEN	05-19-11			.XXX	±0.010		PAGE : 4	





RECOMMENDED PCB FOOTPRINT
 (COMPONENT SIDE VIEW)

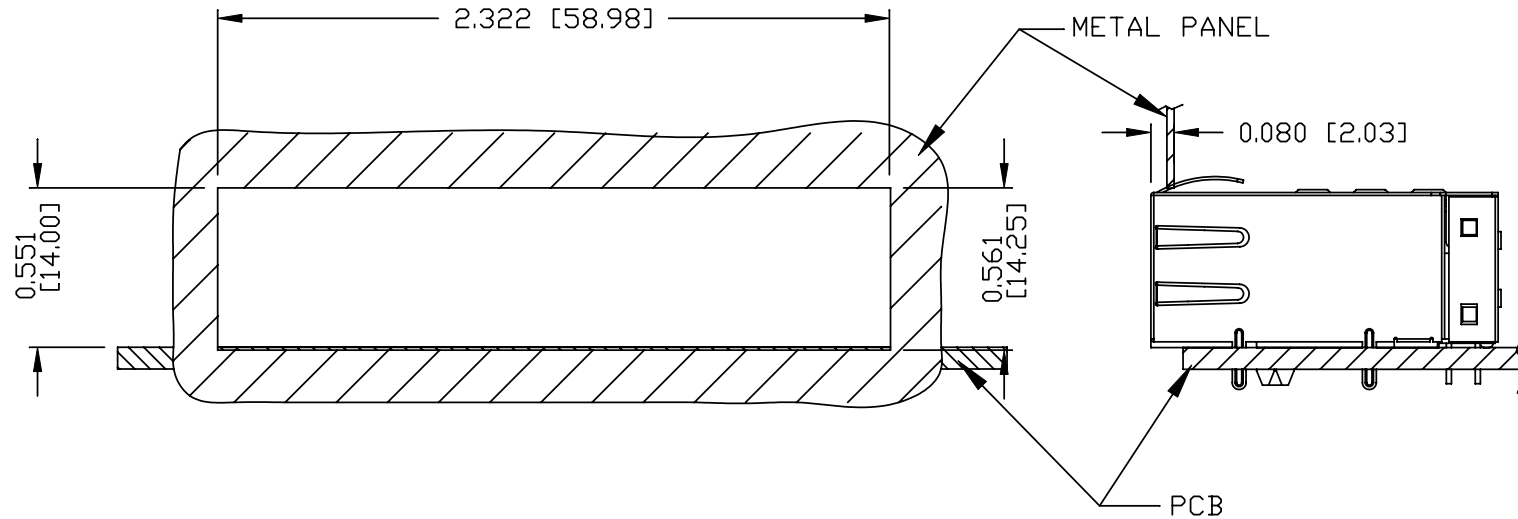
ORIGINATED BY CHEN BILL	DATE 05-19-11	TITLE 1X4 MagJack® FOR 10/100 PoE 0813-1X4T-57-F PATENTED	PART NO. / DRAWING NO. 08131X4T57-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : B
DRAWN BY HE ZHEN	DATE 05-19-11		FILE NAME 08131X4T57-F_B.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.010		PAGE : 5

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.

RoHS
2002/95/EC



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: 0200-0148-37 (TOP)

0200-0148-38 (BOTTOM)

PACKING QUANTITY: 20 PCS FINISHED GOODS PER TRAY

8 TRAYS (160 PCS FINISHED GOODS) PER CARTON BOX

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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
CHEN BILL	05-19-11	1X4 MagJack® FOR 10/100 PoE 0813-1X4T-57-F PATENTED	08131X4T57-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX		PAGE : 6	
HE ZHEN	05-19-11			.XXX	±0.005		

