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ELECTRICAL CHARACTERISTICS @ 25°C

TURN S RATIO 1CT : 1CT $\pm 2\%$

DCL @ 100kHz/100mVRMS
 8mA DC BIAS 350 μ H MIN.

INSERTION LOSS
 100KHz TO 100MHz -1.5 dB MAX.

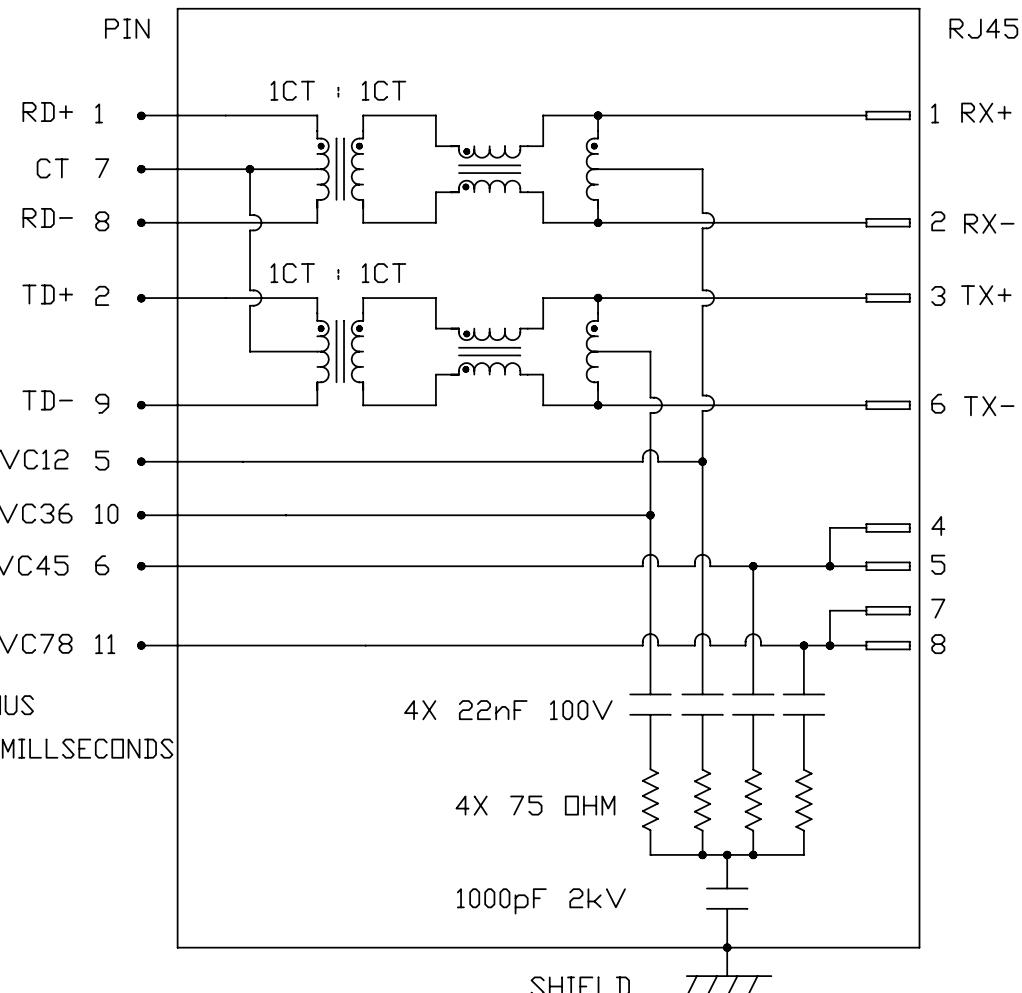
RETURN LOSS (MIN.)
 2MHz-30MHz -16 dB MIN.
 60MHz-80MHz -10 dB MIN.

CROSS TALK
 100KHz - 100MHz -30 dB MIN.

HIPOT (ISOLATION VOLTAGE)
 2250 VDC
 100% OF PRODUCTION TESTED TO COMPLY
 WITH IEEE 802.3 ISOLATION REQUIREMENT

BALANCED DC LINE CURRENT
 350mA MAX. @ 57 VDC CONTINUOUS
 500mA MAX. @ 57 VDC FOR 200 MILLSECONDS

SCHEMATIC



ORIGINATED BY DATE
 CHOW WANGCHUNG 05-19-11

DRAWN BY DATE
 LEE WEIDE 05-19-11

TITLE

1X4 MagJack®
 FOR 10/100 PoE
 08131-1X4T-57-F
 PATENTED

PART NO. / DRAWING NO.
 08131X4T57-F

FILE NAME
 08131X4T57-F_B.DWG

STANDARD DIM.
 TOL. IN INCH

.X
 .XX
 .XXX

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]

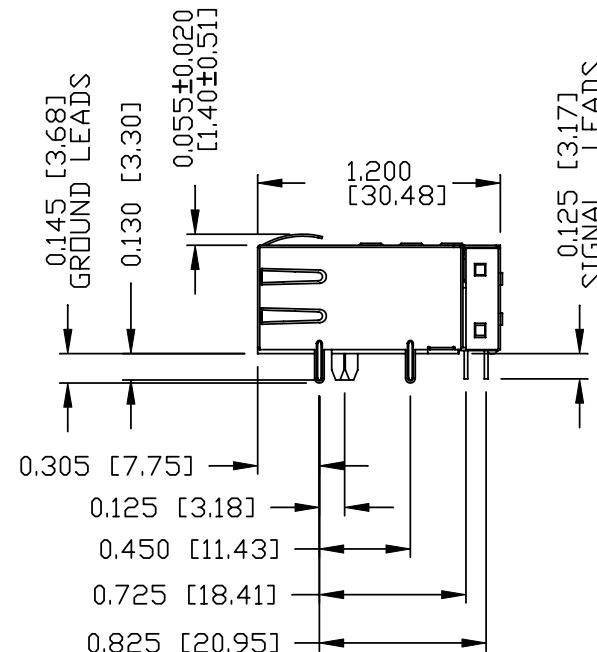
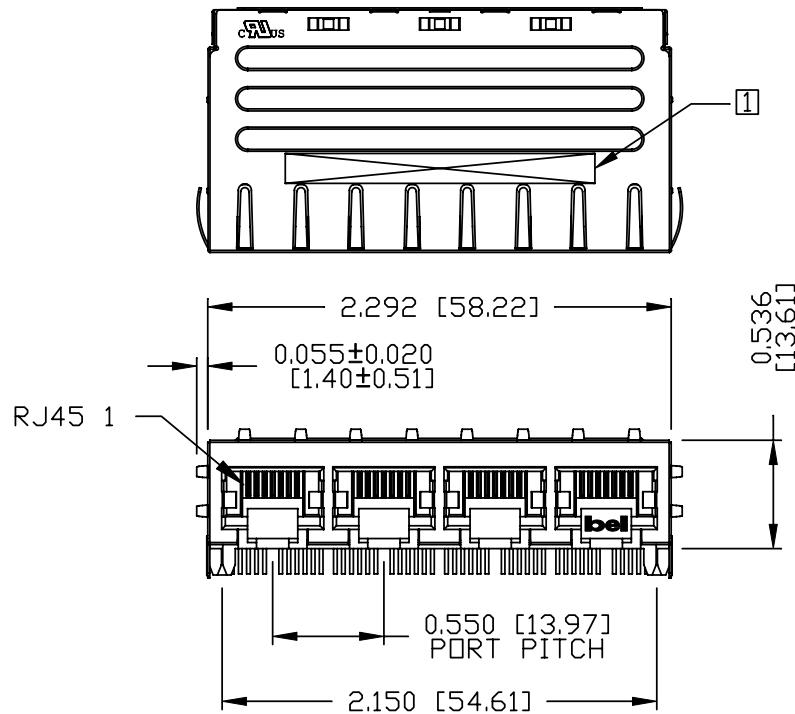
REV. : B

SCALE : N/A

SIZE : A4

bel
 COMPONENTS FOR A
 CONNECTED PLANET

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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.

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.	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY	DATE		08131X4T57-F	STANDARD DIM. TOL. IN INCH	UNIT : INCH [mm]	
CHEN BILL	05-19-11		FILE NAME	.X		
HE ZHEN	05-19-11		08131X4T57-F_B.DWG	.XX	N/A	SIZE : A4
				.XXX	±0.010	PAGE : 3

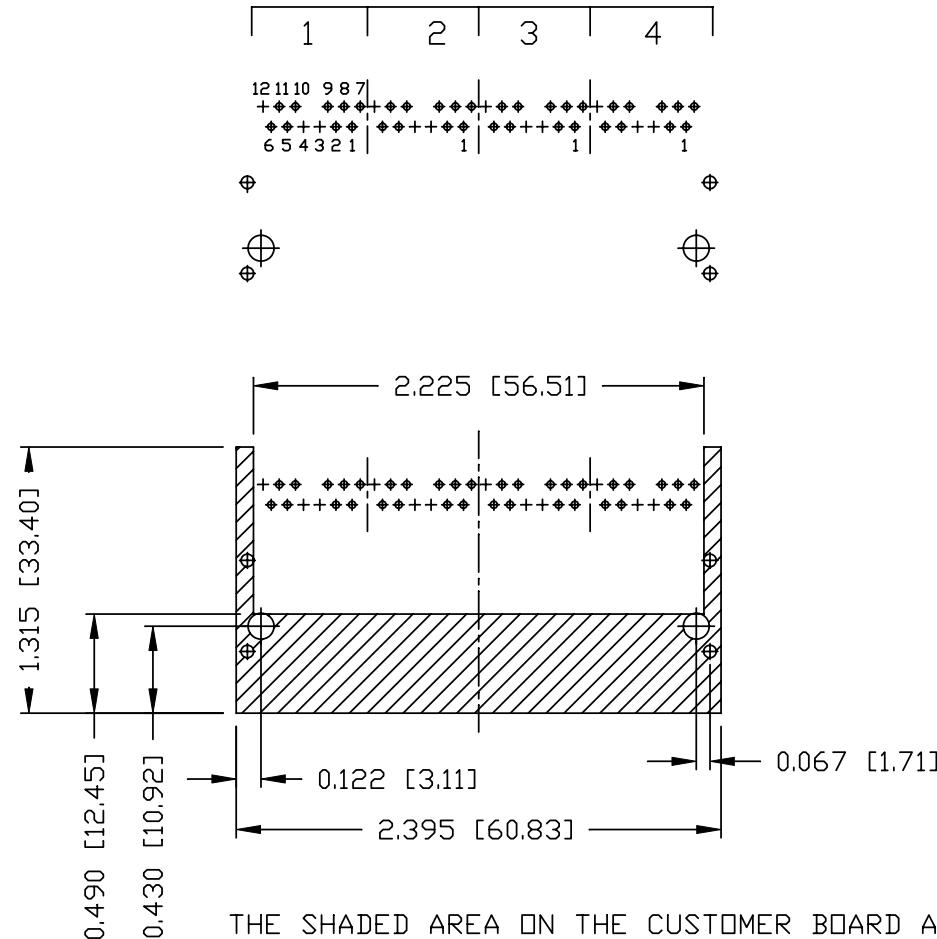
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PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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+

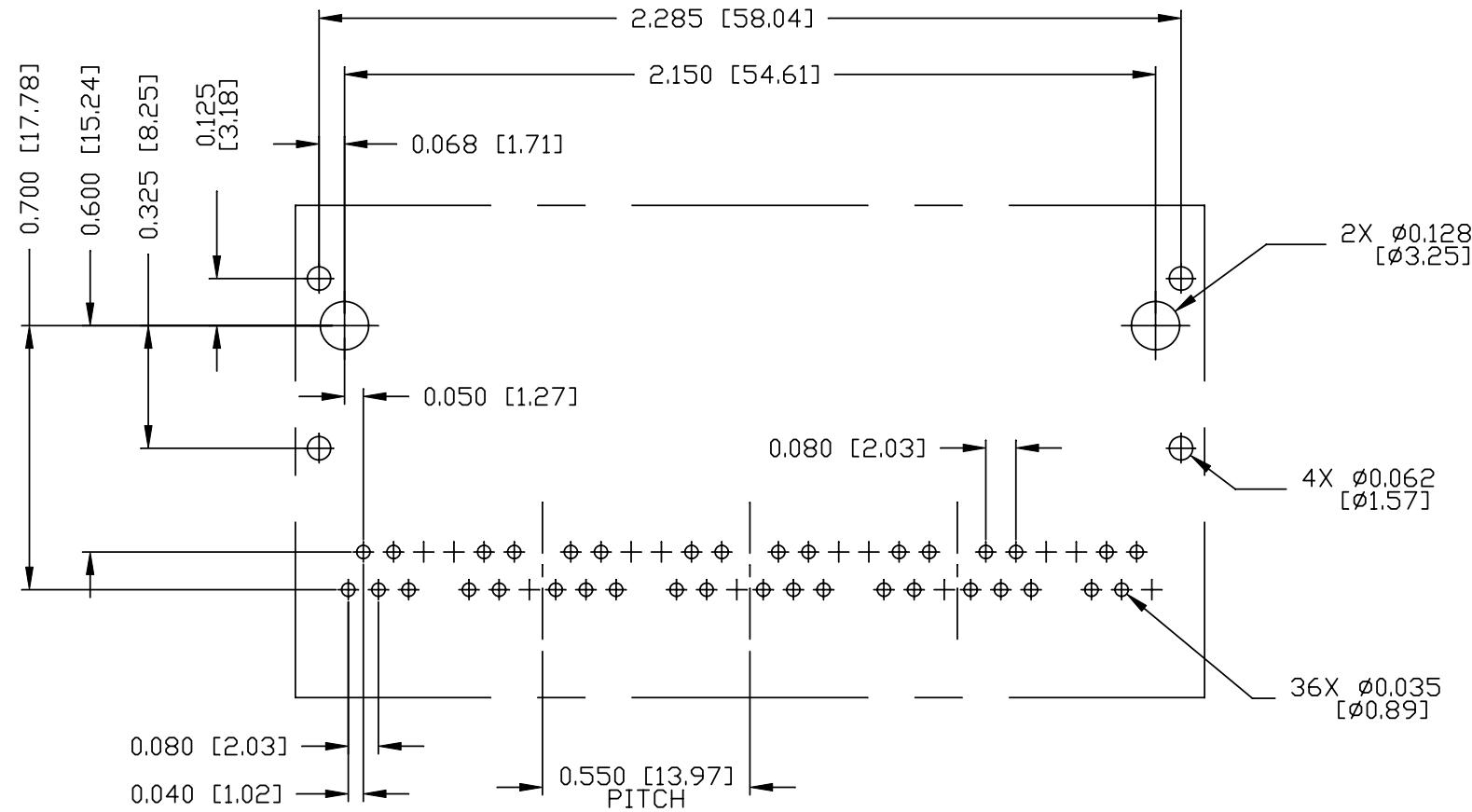
PIN AND PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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	
CHEN BILL	05-19-11					UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE	HE ZHEN	05-19-11	FILE NAME 08131X4T57-F_B.DWG	.X	SCALE : N/A	SIZE : A4
						.XX	.XXX ±0.010
DC002(2)051509							

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RECOMMENDED PCB FOOTPRINT

(COMPONENT SIDE VIEW)

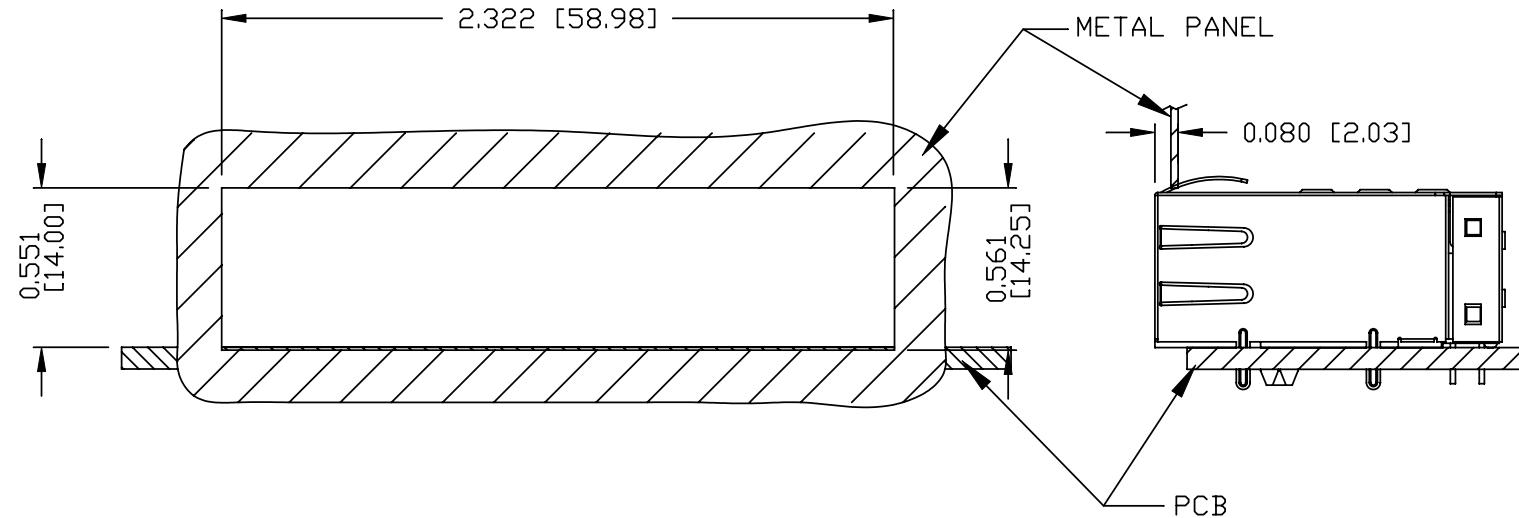
ORIGINATED BY	DATE	TITLE	1X4 MagJack® FOR 10/100 PoE 08131X4T57-F PATENTED	PART NO. / DRAWING NO. 08131X4T57-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
CHEN BILL	05-19-11					UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE	HE ZHEN	05-19-11	FILE NAME 08131X4T57-F_B.DWG	.X	SCALE : N/A	SIZE : A4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

DC002(2)051509

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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)

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DRAWN BY	DATE		STANDARD DIM. 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	
HE ZHEN	05-19-11		FILE NAME	.XX	SCALE : N/A
			08131X4T57-F_B.DWG	.XXX	SIZE : A4
				±0.005	PAGE : 6