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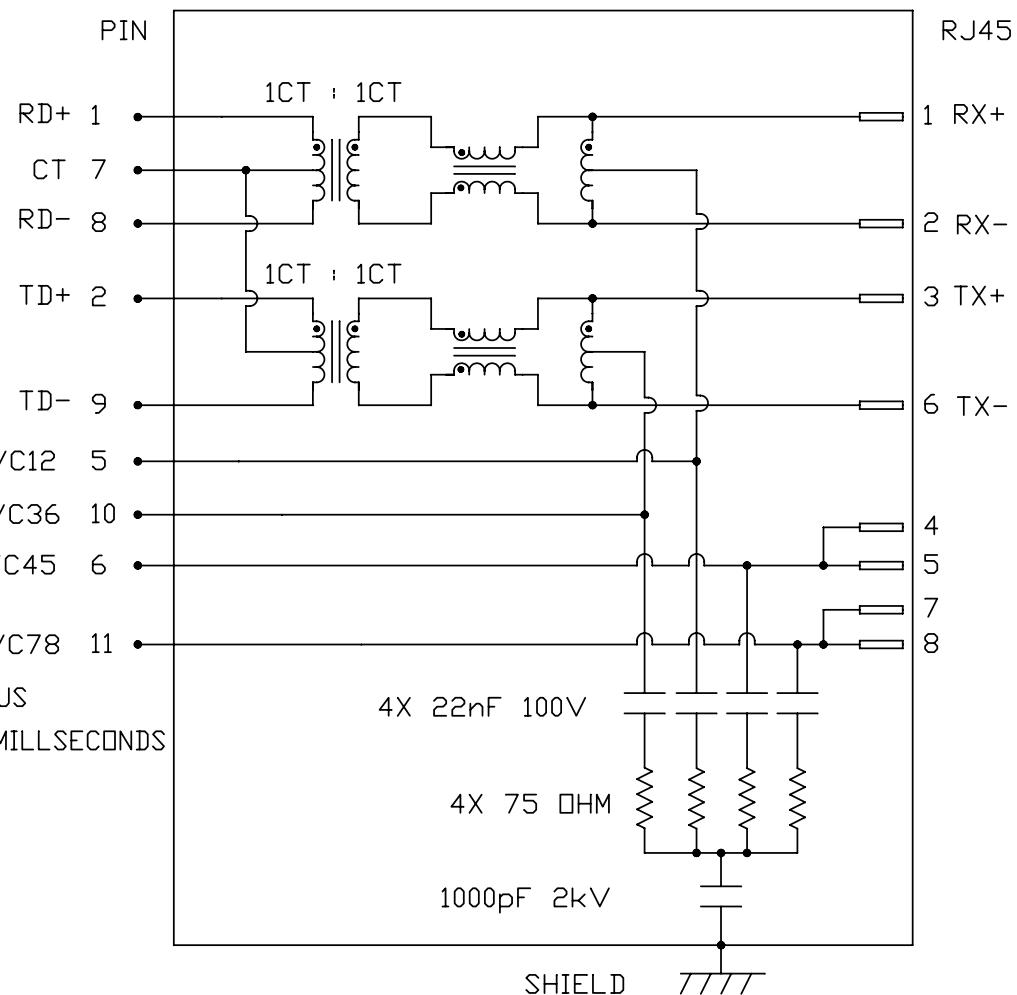


ELECTRICAL CHARACTERISTICS @ 25°C

TURNS 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) 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

SCHEMATIC

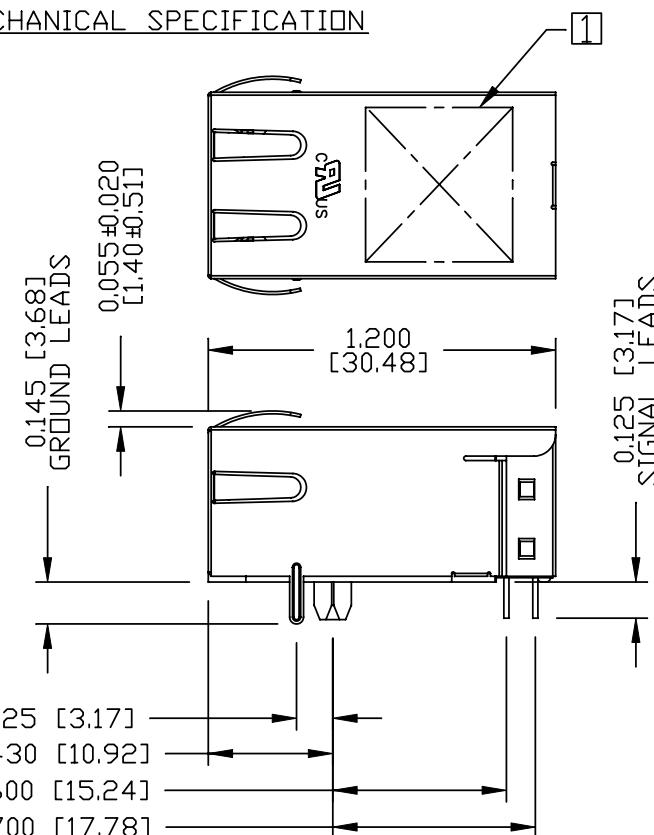
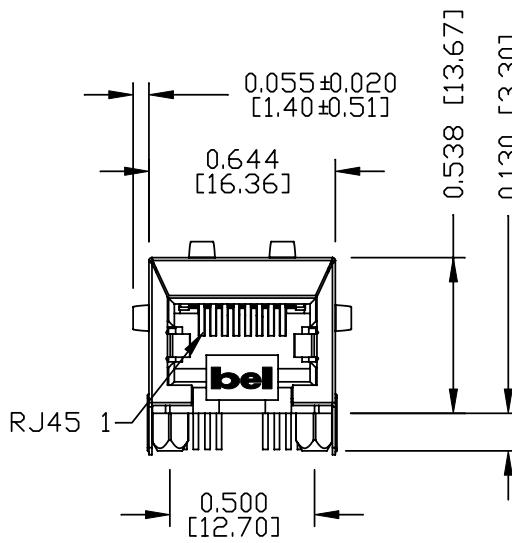


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	UNIT : INCH [mm]	REV. : D
DRAWN BY	DATE			.X	.XX			
CHOW WANGCHUNG	05-19-11	10/100 MagJack® PoE 0813-1X1T-57-F	08131X1T57-F					
LEE WEIDE	05-19-11	PATENTED	08131X1T57-F_D.DWG	.XX	.XXX		SCALE : N/A	SIZE : A4

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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.

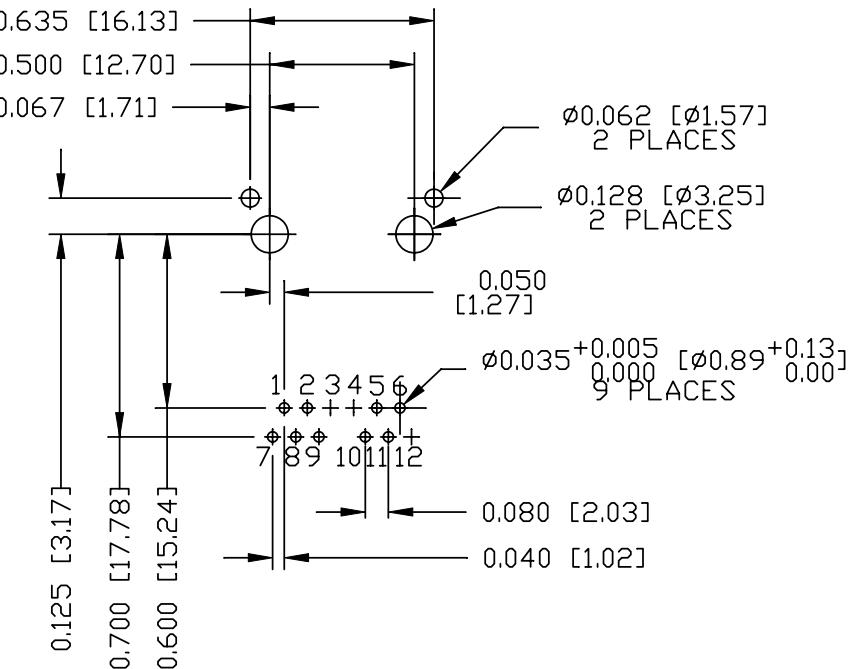
(ALL GROUND LEAD ARE SOLDER DIPPED)

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

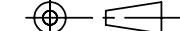
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER,
DATE CODE AND PATENTED.

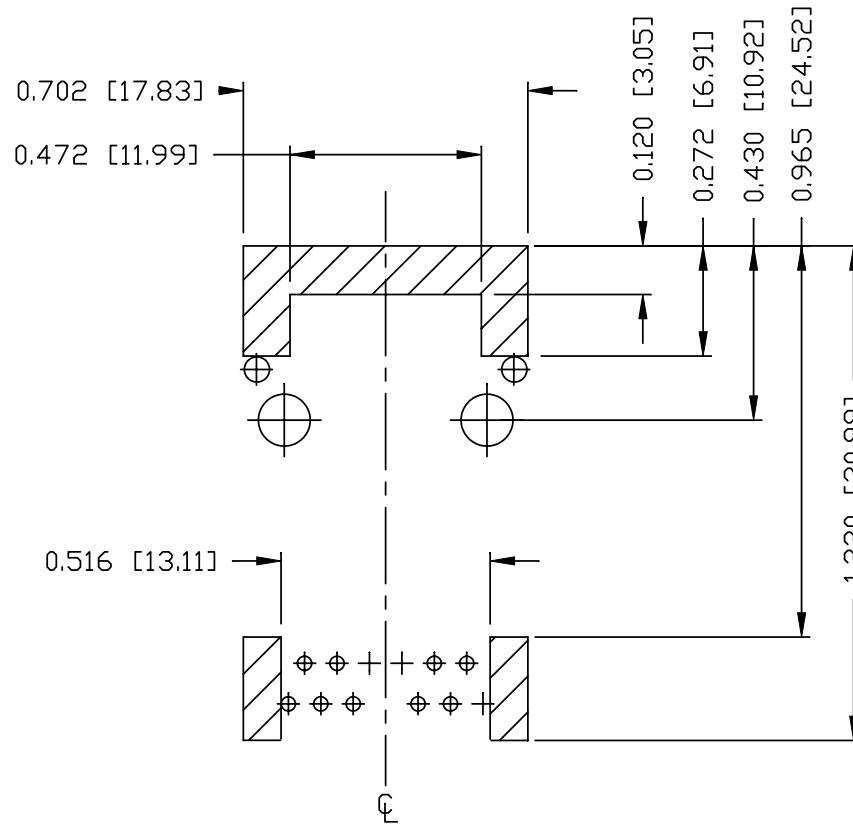
 UL RECOGNIZED - FILE #E196366 AND E169987.

RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
3. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE
U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE		FILE NAME	.X	UNIT : INCH [mm]	REV. : D
CHEN BILL	05-19-11	10/100 MagJack® PoE 0813-1X1T-57-F PATENTED	08131X1T57-F	.XX	SCALE : N/A	SIZE : A4
HE ZHEN	05-19-11		08131X1T57-F_D.DWG	.XXX	±0.010	 PAGE : 3



NOTES

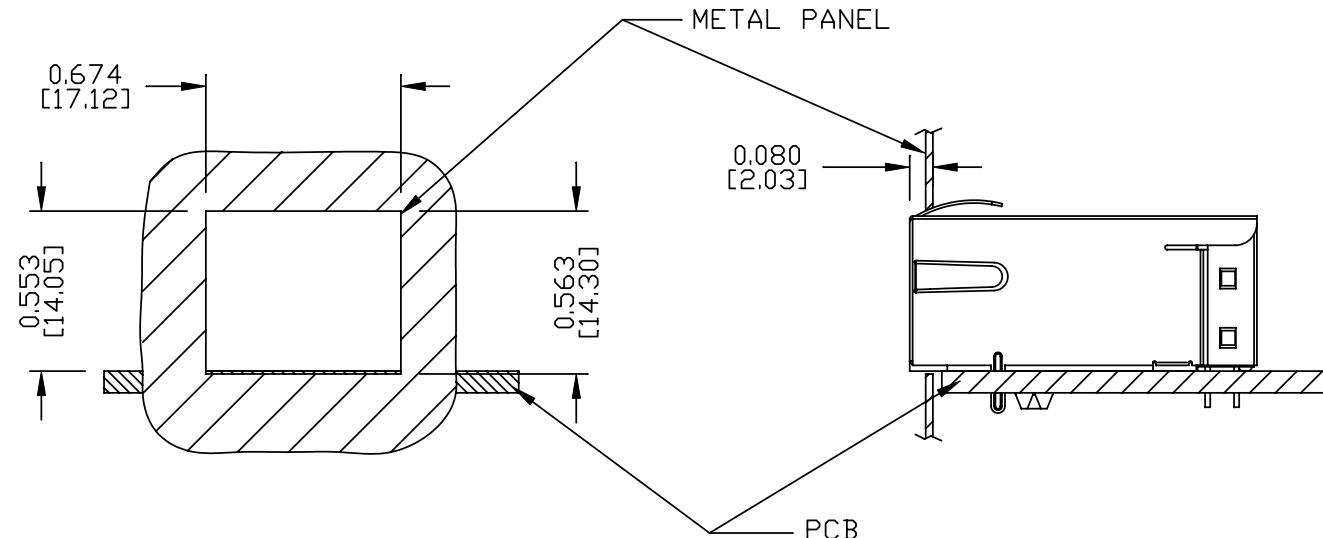
THE SHADED AREA ON THE CUSTOMER BOARD ARE
 RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
 COMPONENT PAD.

ORIGINATED BY CHEN BILL	DATE 05-19-11	TITLE 10/100 MagJack® PoE 08131X1T-57-F PATENTED	PART NO. / DRAWING NO. 08131X1T57-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY HE ZHEN	DATE 05-19-11		FILE NAME 08131X1T57-F_D.DWG	.X	UNIT : INCH [mm]	REV. : D
				.XX	SCALE : N/A	SIZE : A4
				.XXX	±0.004	PAGE : 4





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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				.XX	SCALE : N/A	SIZE : A4
				.XXX	±0.004	PAGE : 5
bel COMPONENTS FOR A CONNECTED PLANET						