

ELECTRICAL CHARACTERISTICS @ 25°C

Turns Ratio 1CT : 1CT ±2%

□CL @ 100mV, 100KHz
 8mA DC BIAS

350μH MIN.

Insertion Loss
 100KHz TO 100MHz

-1.5 dB MAX.

Return Loss (MIN.)

2MHz-30MHz

-16 dB MIN.

60MHz-80MHz

-10 dB MIN.

D.C. RESISTANCE

(9-8)=(7-6)

1.4 ΩHM.

(RJ1-RJ2)=(RJ3-RJ6)

1.0 ΩHM.

Interwinding Capacitance

PER CHANNEL (PRI. to SEC.)

40 pF MAX.

XTALK

100KHz TO 100MHz

-30 dB MIN.

HIPOT (Isolation Voltage):

2250 VDC

100% OF PRODUCTION TESTED TO COMPLY WITH

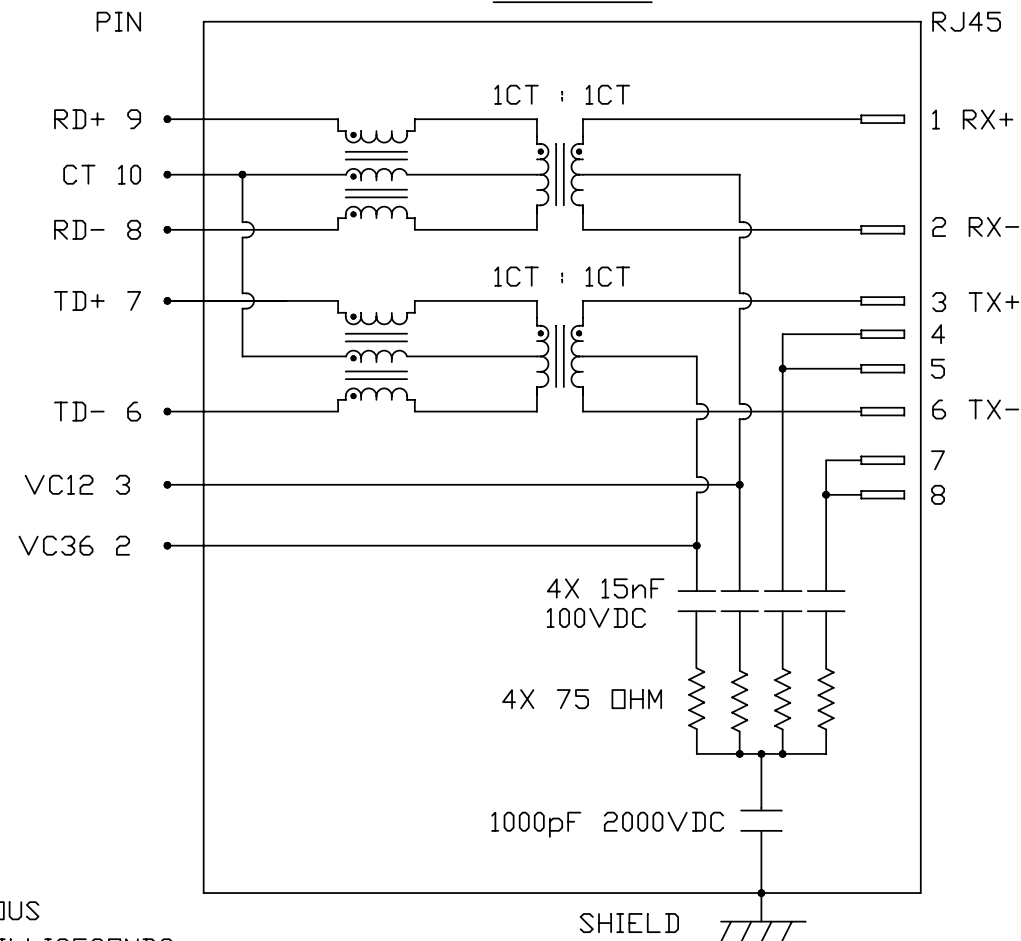
IEEE 802.3 ISOLATION REQUIREMENTS.

BALANCED DC LINE CURRENT

720 mA MAX. @ 57 VDC CONTINUOUS

1.2 A MAX. @ 57 VDC for 200 MILLISECONDS

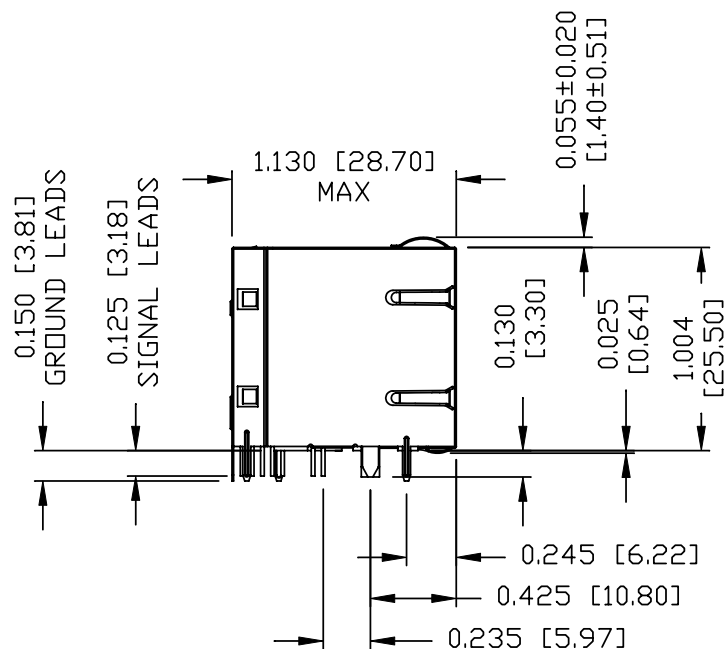
SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
CHOW WANGCHUNG	03-20-09	10/100 MagJack® (PoEp) 0833-2X4R-BU-F	08332X4RBU-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 2
LEE WEIDE	03-20-09			.XXX			

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RoHS
2002/95/EC



NOTES:

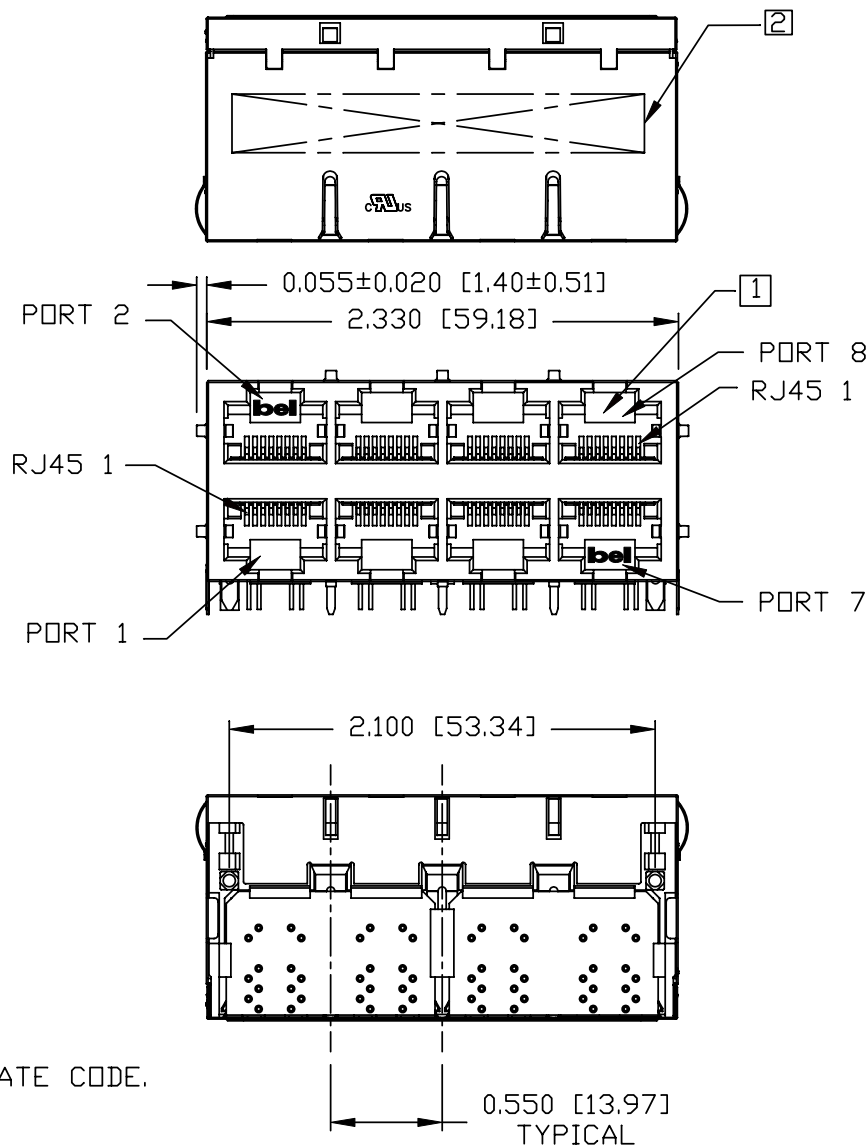
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.

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

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

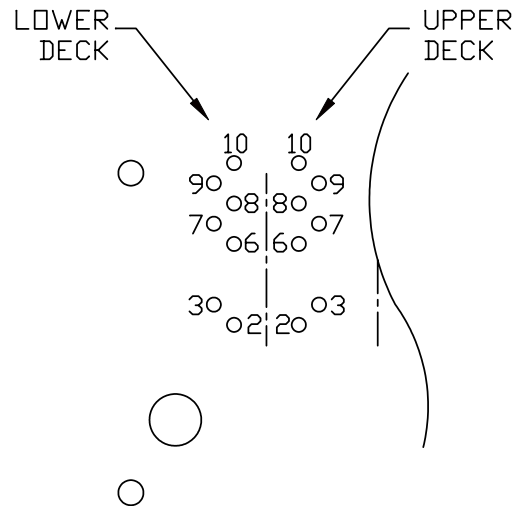
RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
LIU QIN	03-20-09	10/100 MagJack® (PoEp) 0833-2X4R-BU-F	08332X4RBU-F FILE NAME 08332X4RBU-F_A.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 3
XIAN JIAXIN	03-20-09			.XXX	±0.010		



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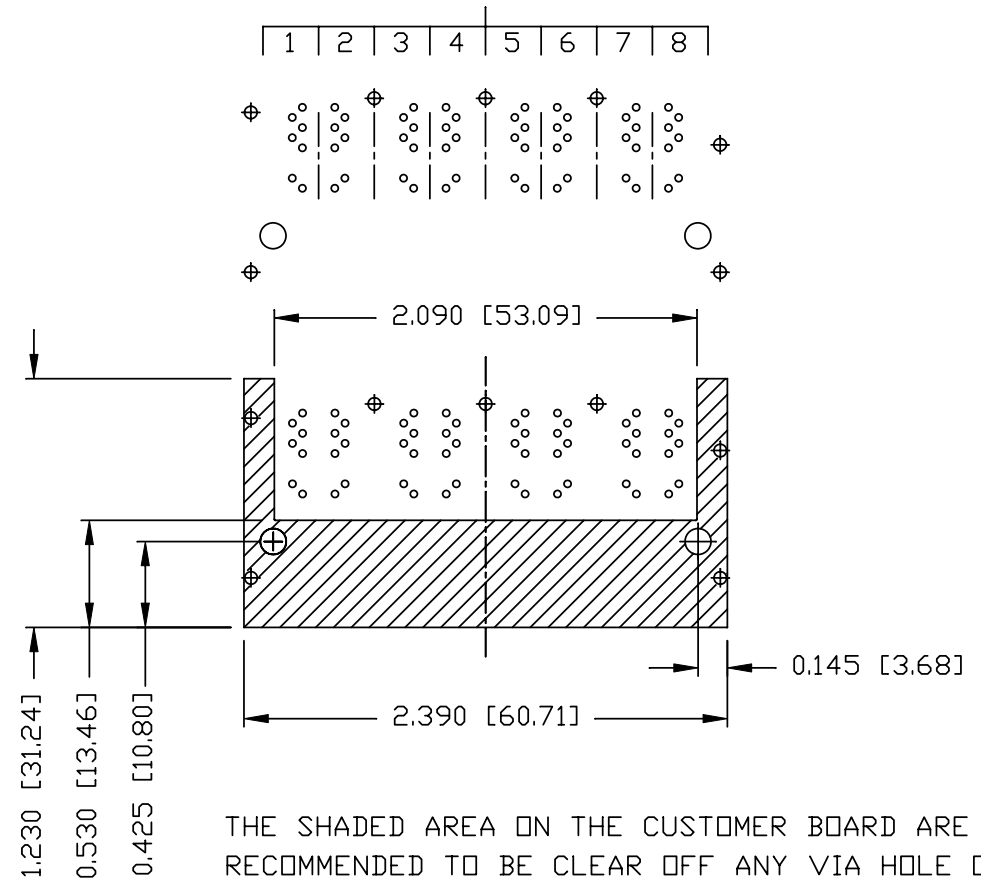


PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	COMMON CT
9	RD+
8	RD-
7	TD+
6	TD-
5	NO PIN
4	NO PIN
3	Vc12
2	Vc36
1	NO PIN

UNUSED PIN LOCATIONS MUST BE REMOVED TO ENSURE 2KV ISOLATION.

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



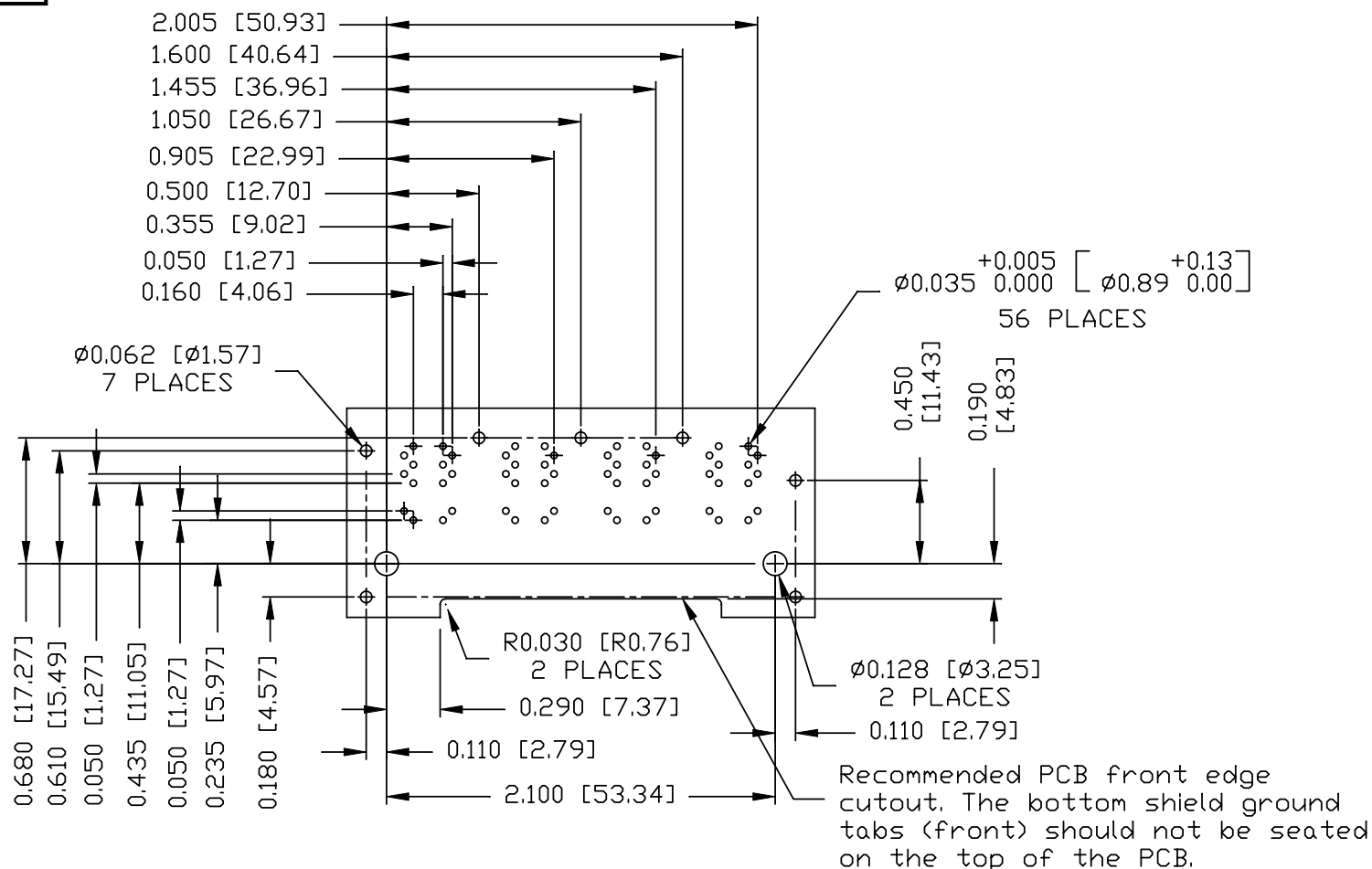
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

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LIU QIN	03-20-09	10/100 MagJack® (PoEp) 0833-2X4R-BU-F	08332X4RBU-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
XIAN JIAXIN	03-20-09		08332X4RBU-F_A.DWG	.XX		PAGE : 4
				.XXX	±0.004	



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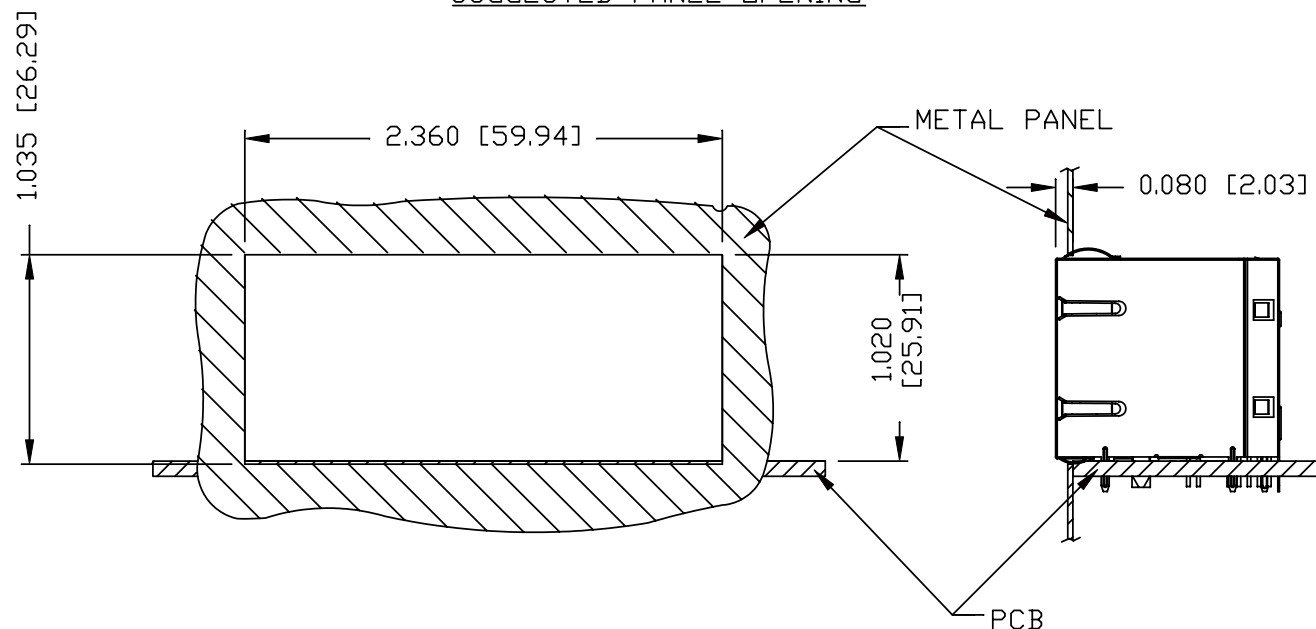
SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
LIU QIN	03-20-09	10/100 MagJack® (PoEp)	08332X4RBU-F	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	03-20-09	0833-2X4R-BU-F	08332X4RBU-F_A.DWG	.XXX ±0.004	PAGE : 5





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 : 0200-0148-46 (TOP)

0200-0148-47 (BOTTOM)

PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY.

7 TRAYS (140 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			.XX			PAGE : 6
XIAN JIAXIN	03-20-09			.XXX	±0.004		