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RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

OCL @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN.

INS. LOSS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX

RET. LOSS (MIN) @ 100ΩHMS ±15%

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

CM TO DM REJ

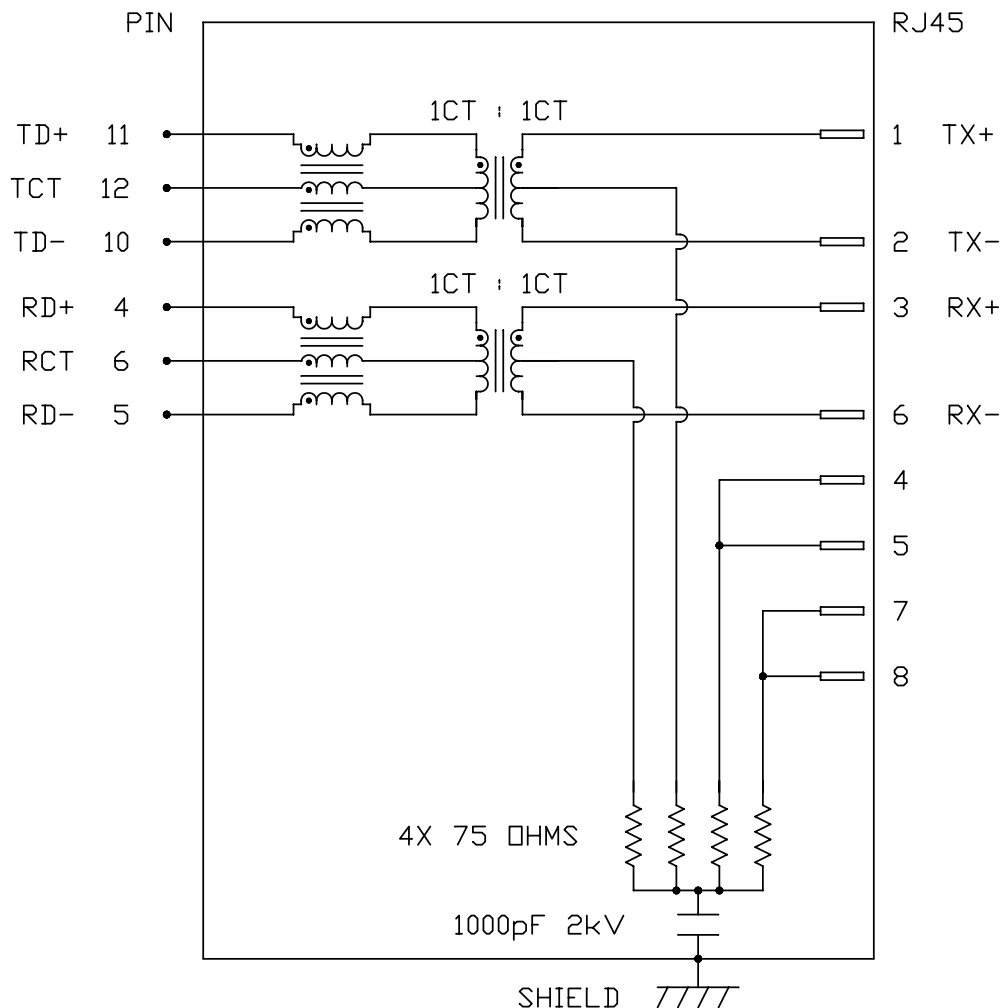
100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE: -40 TO +85°C

SCHEMATIC



ORIGINATED BY	DATE
CHOW WANGCHUNG	06-22-10
DRAWN BY	DATE
LEE WEIDE	06-22-10

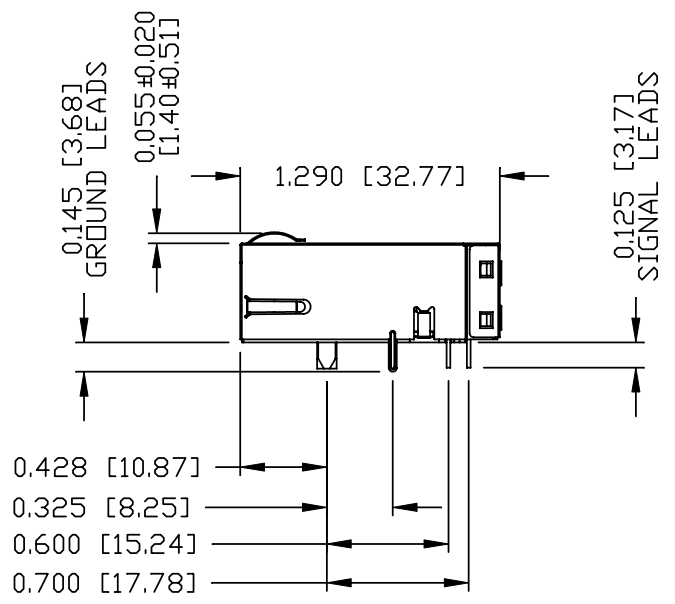
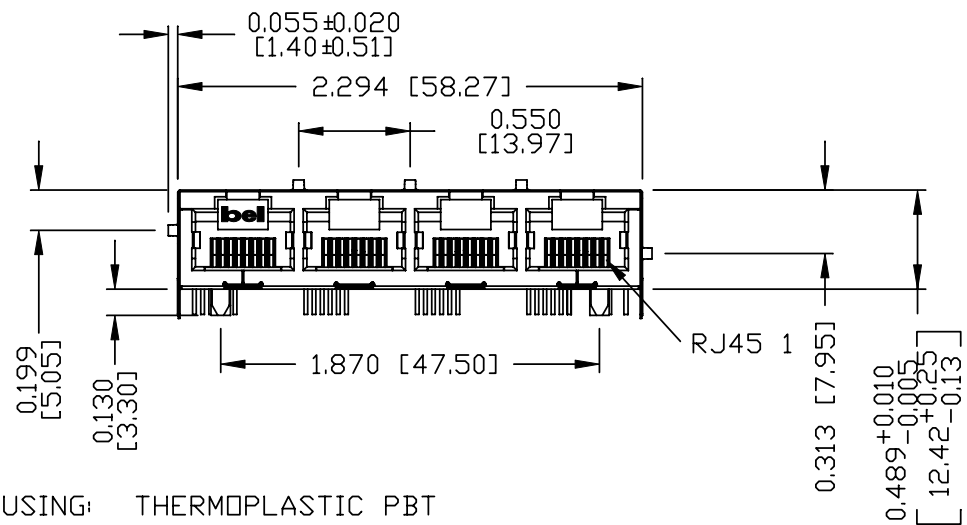
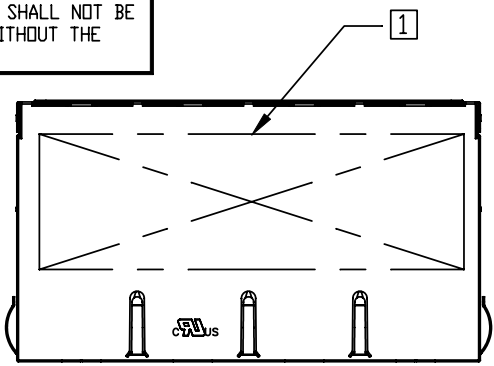
TITLE
1X4 MagJack® (Extended temperature of -M3)
FILE NAME
L816-1X4T-FJ-F PATENTED L8161X4TFJ-F_B.DWG

PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH
L8161X4TFJ-F	.X .XX .XXX

[] METRIC DIM. AS REFERENCE	REV. : B
UNIT : INCH [mm]	SIZE : A4
SCALE : N/A	PAGE : 2



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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 DIPPING)

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

- 1. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
- 2. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- 3. THE PRODUCT IS PATENT PRODUCT, THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117.

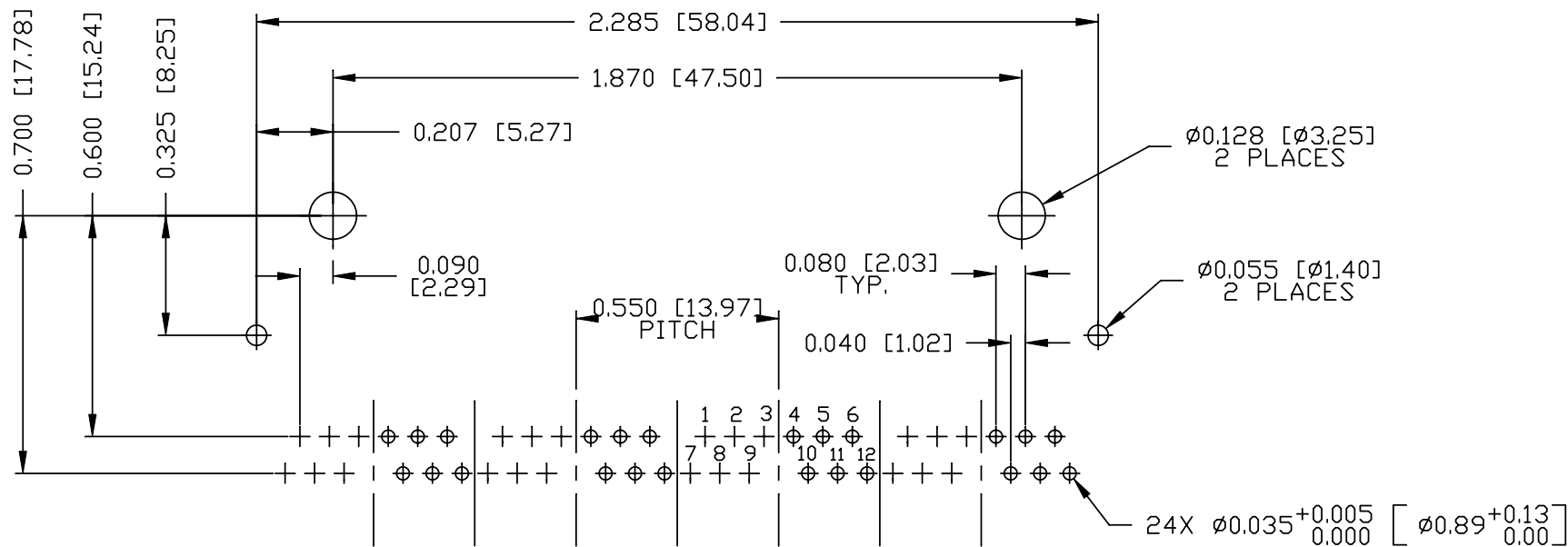
ORIGINATED BY ANTON LIAO	DATE 06-22-10	TITLE 1X4 MagJack® (Extended temperature of -M3)	PART NO. / DRAWING NO. L8161X4TFJ-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
				.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY SHAWN FENG	DATE 06-22-10	L816-1X4T-FJ-F PATENTED	FILE NAME L8161X4TFJ-F_B.DWG	.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.010		PAGE : 3	

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RECOMMENDED PCB FOOTPRINT
(COMPONENT SIDE VIEW)

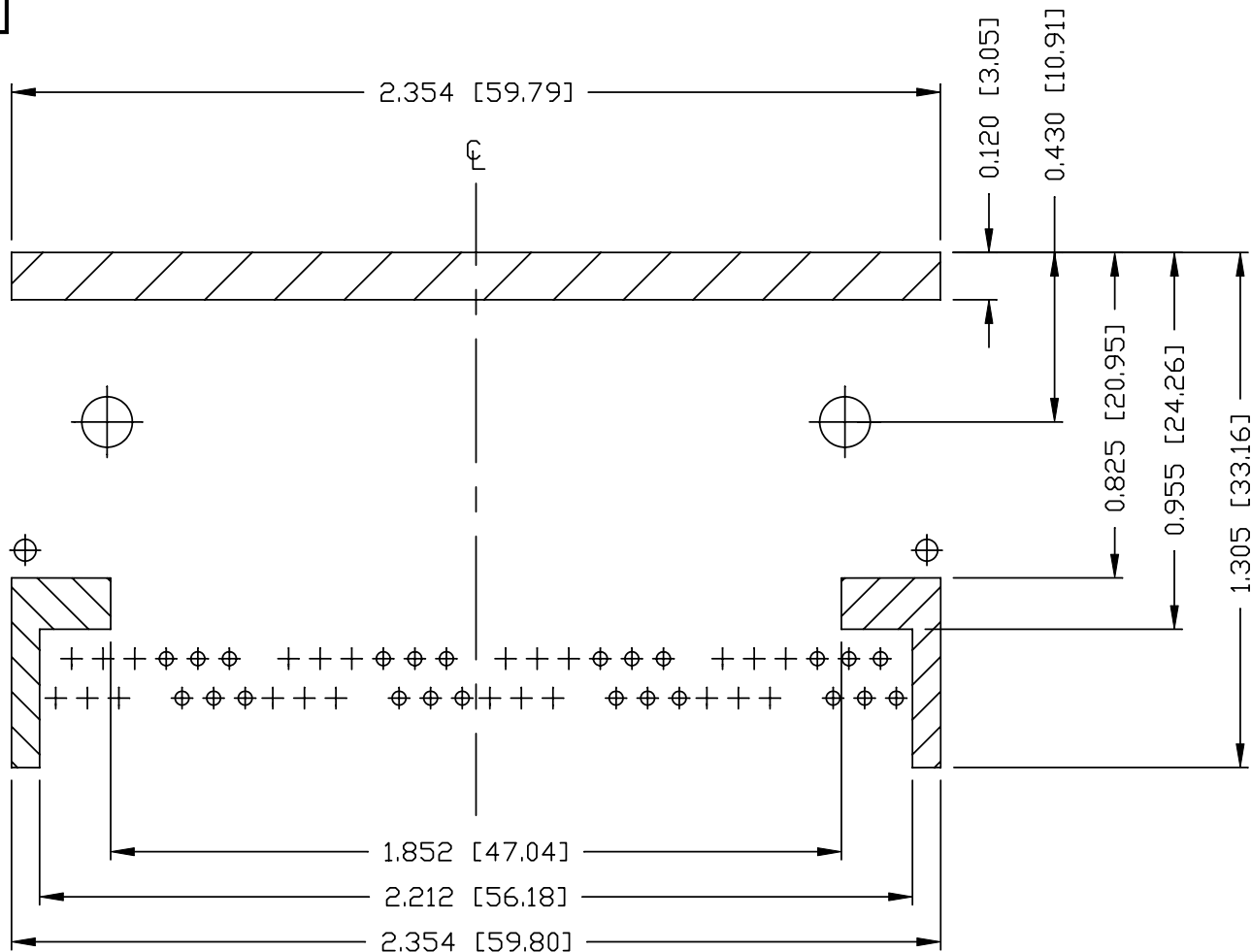


ORIGINATED BY ANTON LIAD	DATE 06-22-10	TITLE 1X4 MagJack® (Extended temperature of -M3)	PART NO. / DRAWING NO. L8161X4TFJ-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : B
DRAWN BY SHAWN FENG	DATE 06-22-10	L816-1X4T-FJ-F PATENTED	FILE NAME L8161X4TFJ-F_B.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 4



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NOTES

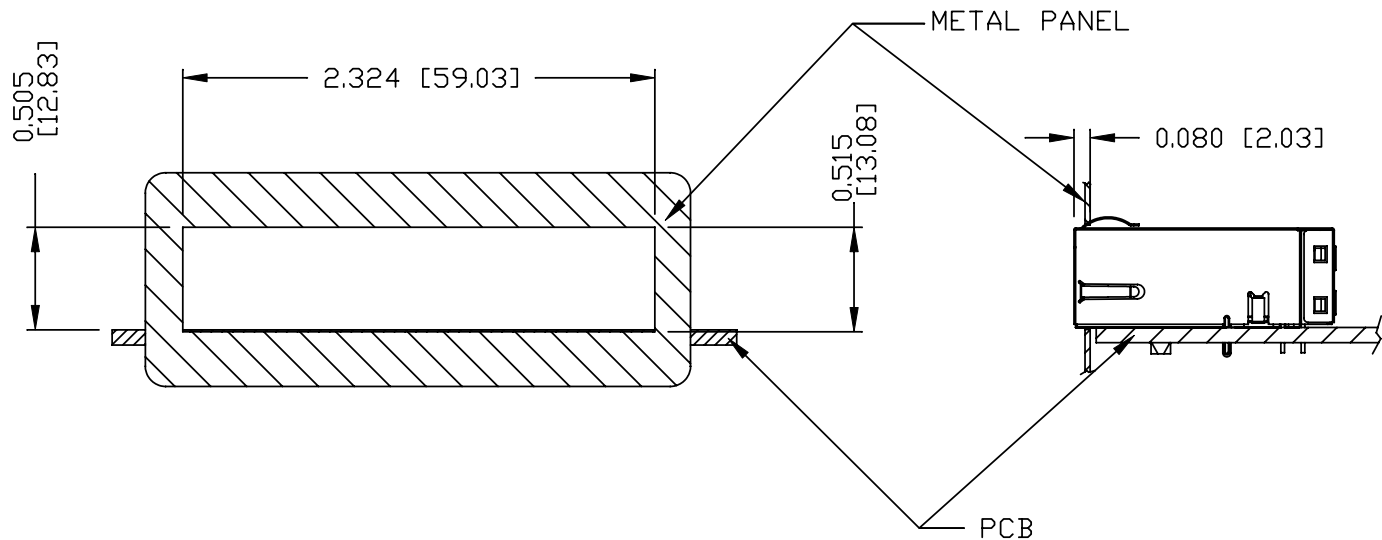
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY ANTON LIAO	DATE 06-22-10	TITLE 1X4 MagJack® (Extended temperature of -M3)	PART NO. / DRAWING NO. L8161X4TFJ-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS OF A CONNECTED PLANET
				.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY SHAWN FENG	DATE 06-22-10	L816-1X4T-FJ-F PATENTED	FILE NAME L8161X4TFJ-F_B.DWG	.XX		SCALE : N/A	SIZE : A4	PAGE : 5
				.XXX	±0.004			

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SUGGESTED PANEL OPENING



NOTE:

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-D3 (TOP)

0200-9999-B5 (BOTTOM)

PACKING QUANTITY: 24 PCS FINISHED GOODS PER TRAY

10 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX

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

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				.XXX	±0.004	⊕	PAGE : 6	