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PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1
 RX 1CT : 1

□CL @ 100kHz/100mVRMS

8mA DC BIAS (0°C - 70°C) 350μH MIN.

INS. LOSS

1MHz TO 100MHz -1.0 dB MAX

RET. LOSS (MIN)

1MHz-30MHz -18 dB
 30MHz-60MHz $-18+20\text{LOG}(F/30\text{MHz})$ dB
 60MHz-80MHz -12 dB

CROSS TALK (TX - RX)

100KHZ-100 MHz -35 dB MIN

CM TO CM REJ

100KHZ-100 MHz -30 dB MIN

CM TO DM REJ

100KHZ-100 MHz -35 dB MIN

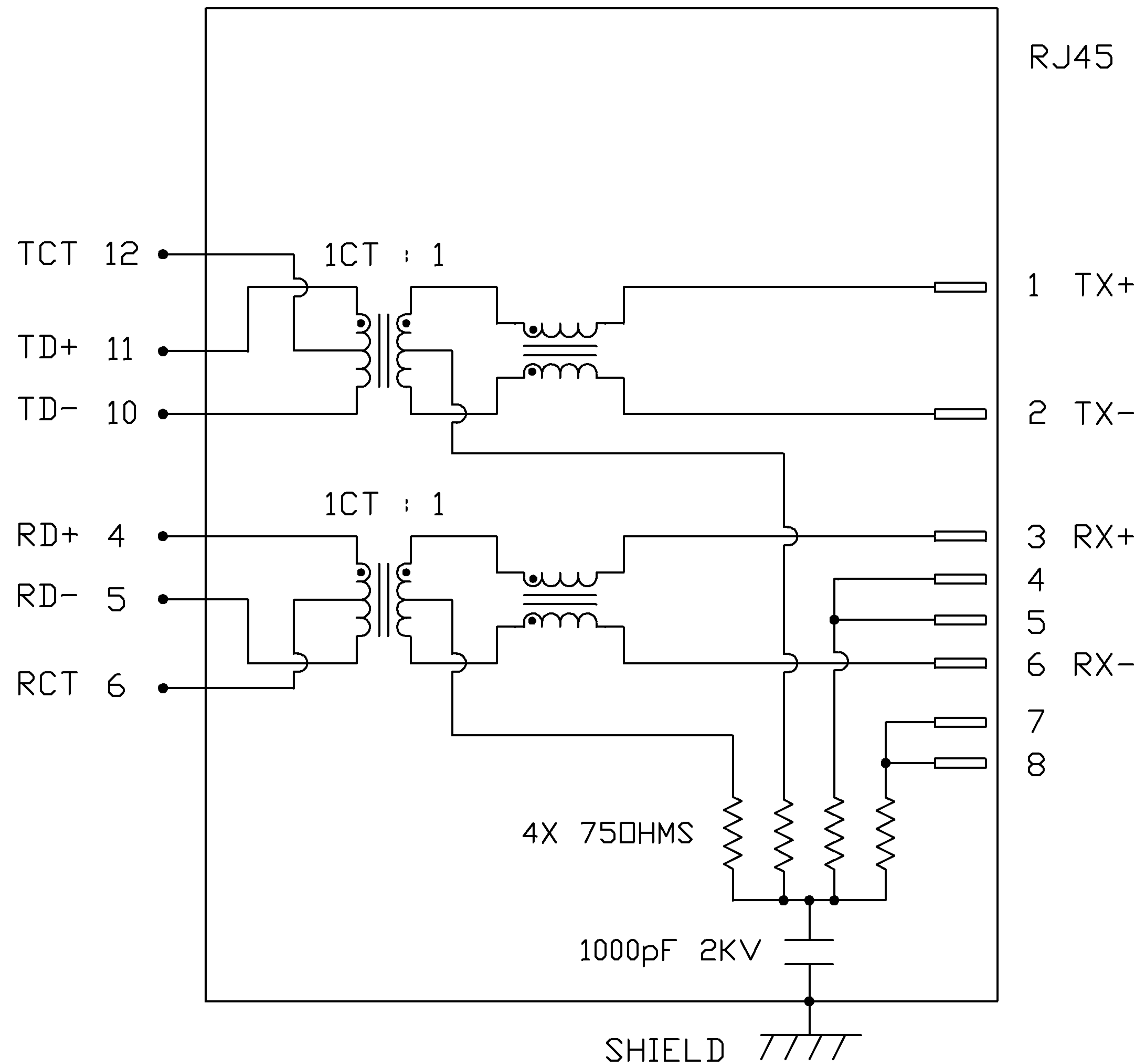
HIPOT (Isolation Voltage):

1500 Vrms

100% OF PRODUCTION TESTED

TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

SCHEMATIC

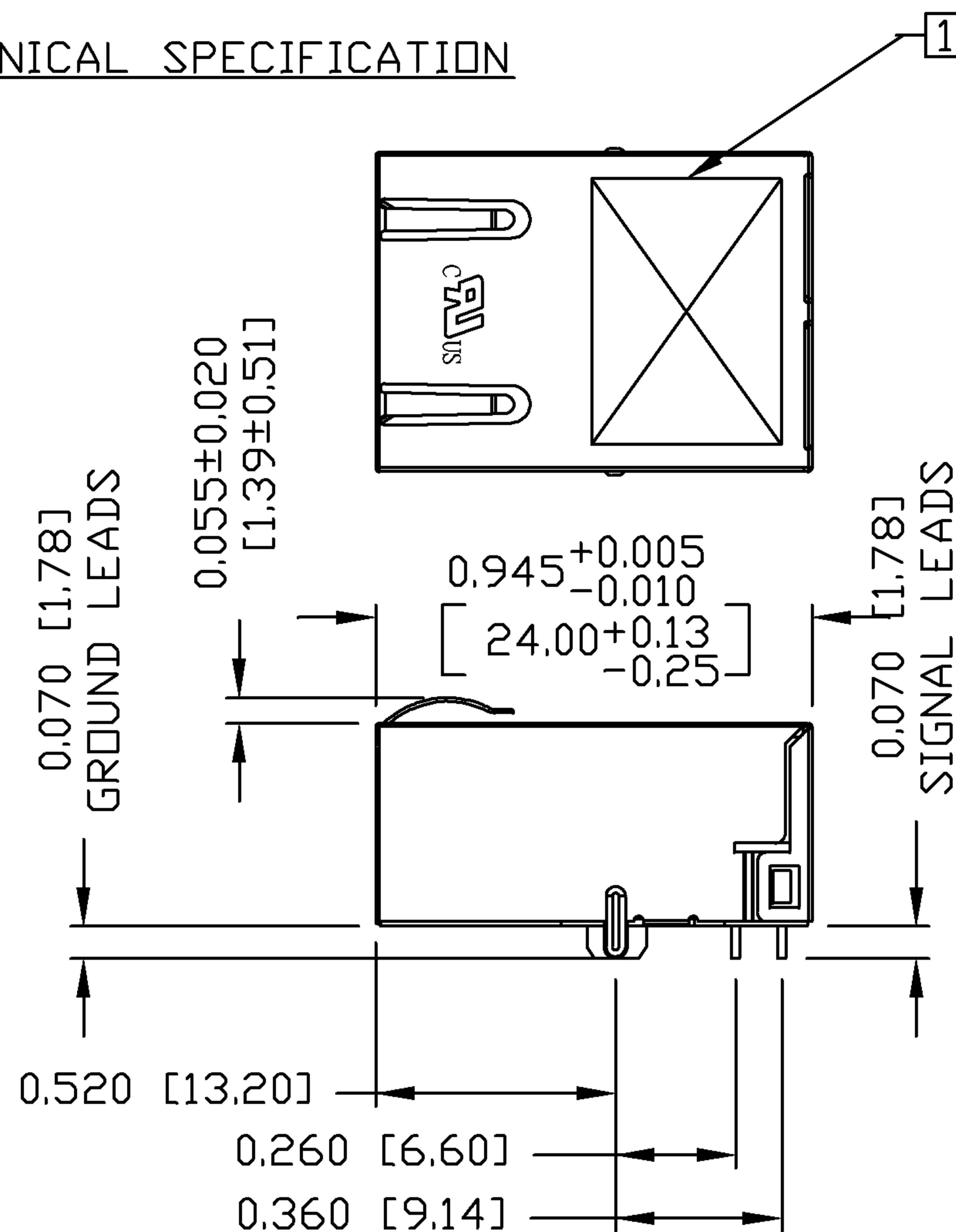
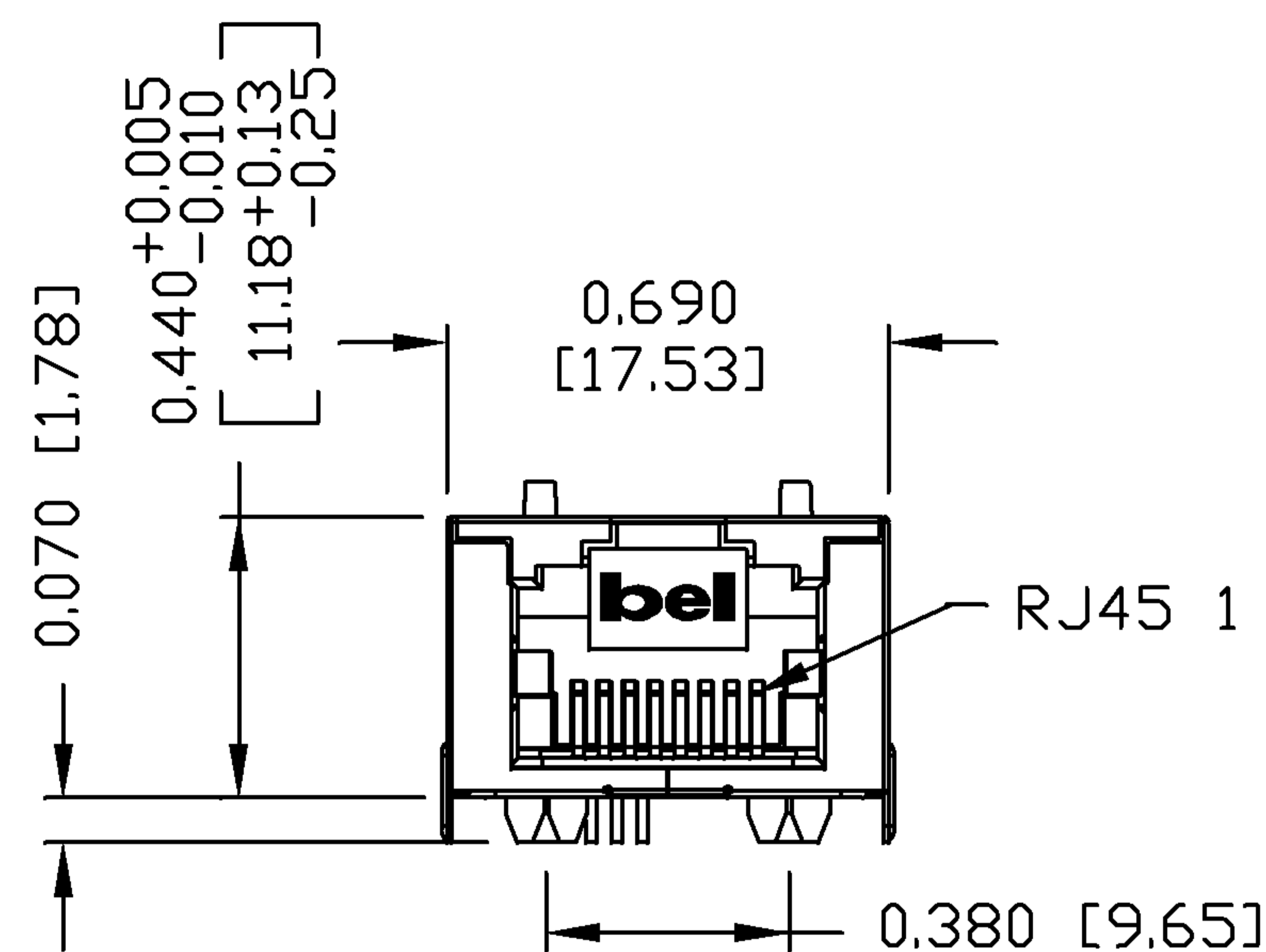


| | | | | | | | | |
|---------------|----------|---------------------|------------------------|--|--------------|------------------------------|-------------|---------------------------------------|
| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. | | [] METRIC DIM. AS REFERENCE | | COMPONENTS FOR A CONNECTED PLANET |
| CHOW WANCHUNG | 04-23-08 | | | 10/100 MagJack® (Ultra Low Profile) | L837-1X1C-06 | TOL. IN INCH | | |
| DRAWN BY | DATE | FILE NAME | .X | | | / | SCALE : N/A | |
| WEIDE LEE | 04-23-08 | L837-1X1C-06_PA.DWG | .XX | .XXX | | | PAGE : 2 | |

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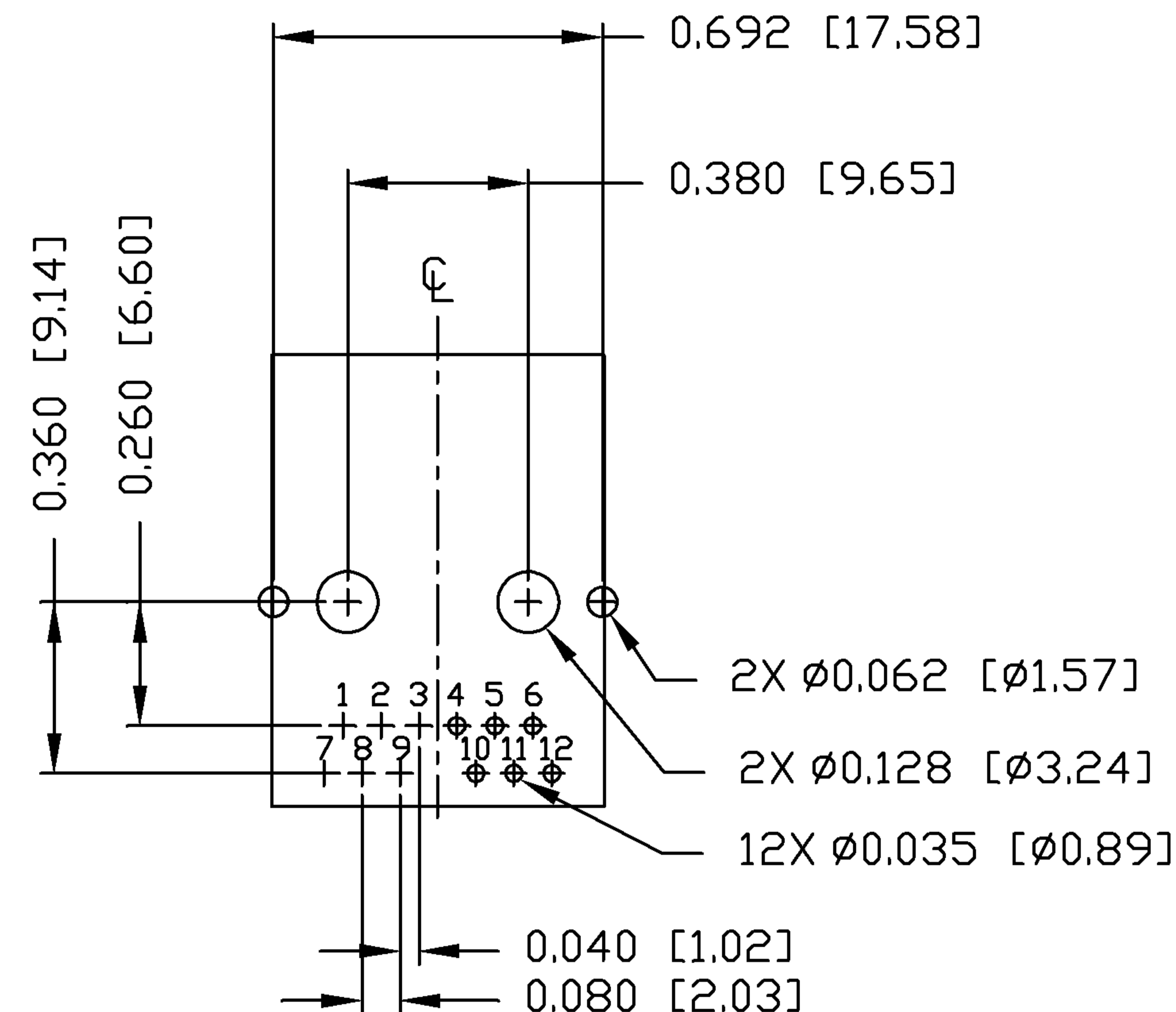
MECHANICAL SPECIFICATION

RoHS
2002/95/EC



PRELIMINARY

RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA, FLAMMABILITY RATING UL 94V-0
- CONTACTS: 30 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)

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

[1] MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER (L837-1X1C-06), AND DATE CODE.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

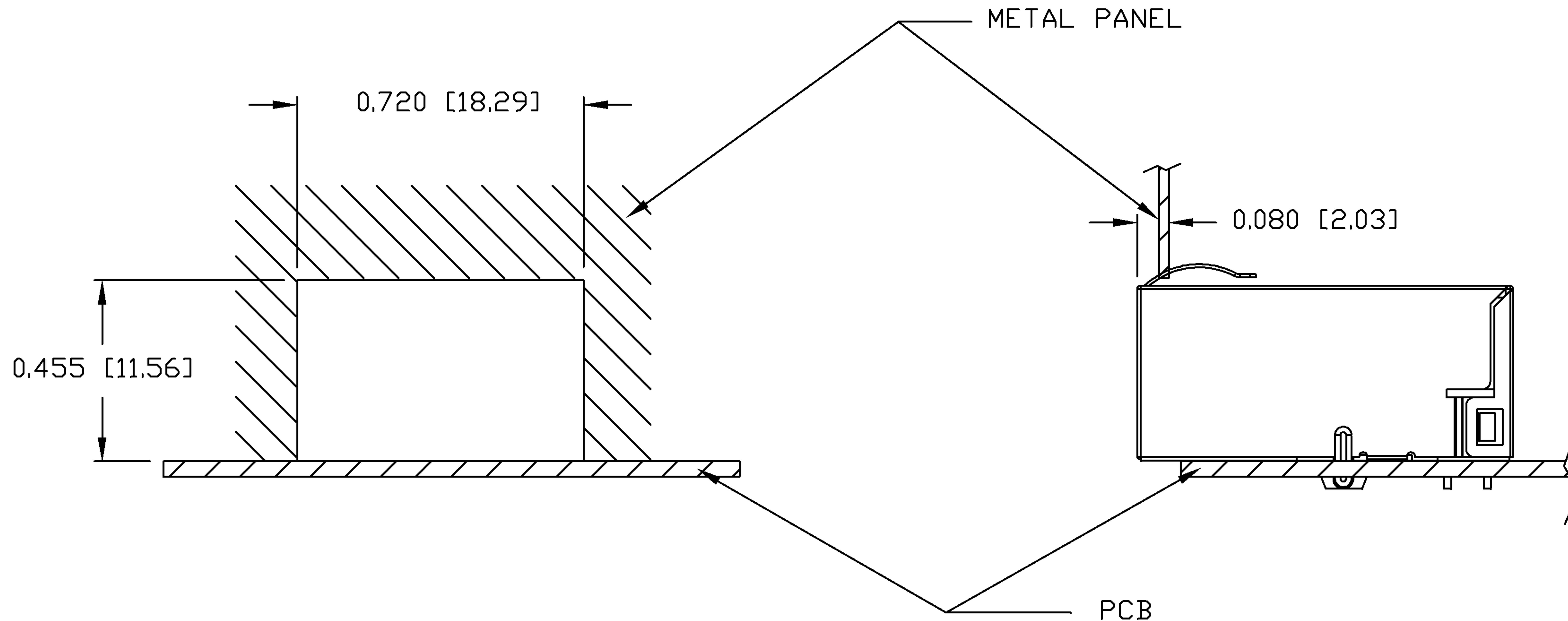
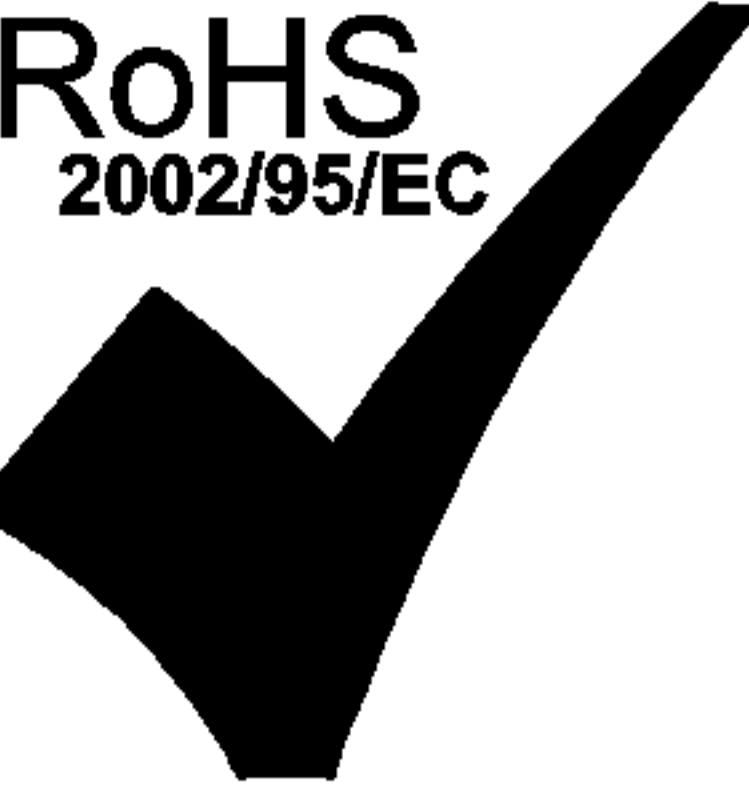
US UL RECOGNIZED - FILE #E196366 AND E169987.

| | | | | | | | |
|-----------------------------|------------------|---|--|-------------------------------|------------------------------|-----------|---|
| ORIGINATED BY ANTON LIAO | DATE 04-23-08 | TITLE 10/100 MagJack® (Ultra Low Profile) | PART NO. / DRAWING NO. L837-1X1C-06 | STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REFERENCE | | COMPONENTS FOR A CONNECTED PLANET |
| DRAWN BY CHEN TING | DATE 04-23-08 | | FILE NAME L837-1X1C-06_PA.DWG | .X | UNIT : INCH [mm] | REV. : PA | |
| | | | | .XX | SCALE : N/A | SIZE : A4 | |
| | | | .XXX | ±0.010 | PAGE : 3 | | |

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SUGGESTED PANEL OPENING

PRELIMINARY



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.

TRAY PACKING INFORMATION

PACKING TRAY : 0200-9999-E4 (TOP)

0200-9999-E5 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY

11 TRAYS (660 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 CHEN TING | DATE 04-23-08 | | FILE NAME L837-1X1C-06_PA.DWG | .X | .XX | .XXX | ±0.004 | UNIT : INCH [mm] | |
| | | | | | | | SCALE : N/A | SIZE : A4 | |
| | | | | | | | | PAGE : 4 | |