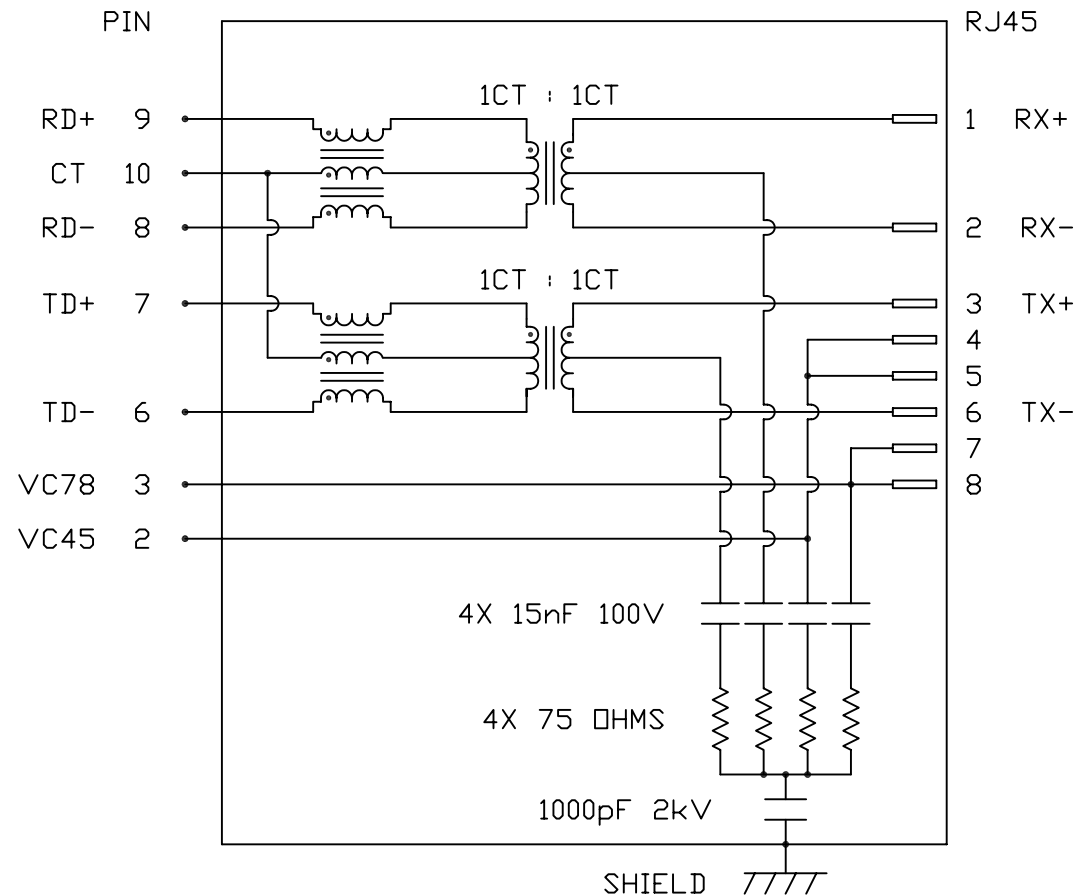


ELECTRICAL CHARACTERISTICS @ 25°C

| | |
|--|--|
| TURNS RATIO □CL @ 0.1V, 100KHz 8mA DC BIAS | 1CT : 1CT ±2% 350μ H MIN. |
| INSERTION LOSS 100KHz TO 100MHz | -1.5 dB MAX. |
| RETURN LOSS (MIN.) 2MHz-30MHz 60MHz-80MHz | -16 dB MIN. -10 dB MIN. |
| D.C. RESISTANCE (9-8)=(7-6) (RJ1-RJ2)=(RJ3-RJ6) | 1.40 ΩHM MAX. 1.0 ΩHM MAX. |
| INTERWINDING CAPACITANCE PER CHANNEL (PRI. to SEC.) | 40 pF MAX. |
| XTALK 100KHz TO 100MHz | -30 dB MIN. |
| HIPOT (Isolation Voltage): 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENT | 2250 VDC |
| BALANCED DC LINE CURRENT | 350 mA MAX. @ 57 VDC CONTINUOUS 500 mA MAX. @ 57 VDC FOR 200 MILLISECONDS |

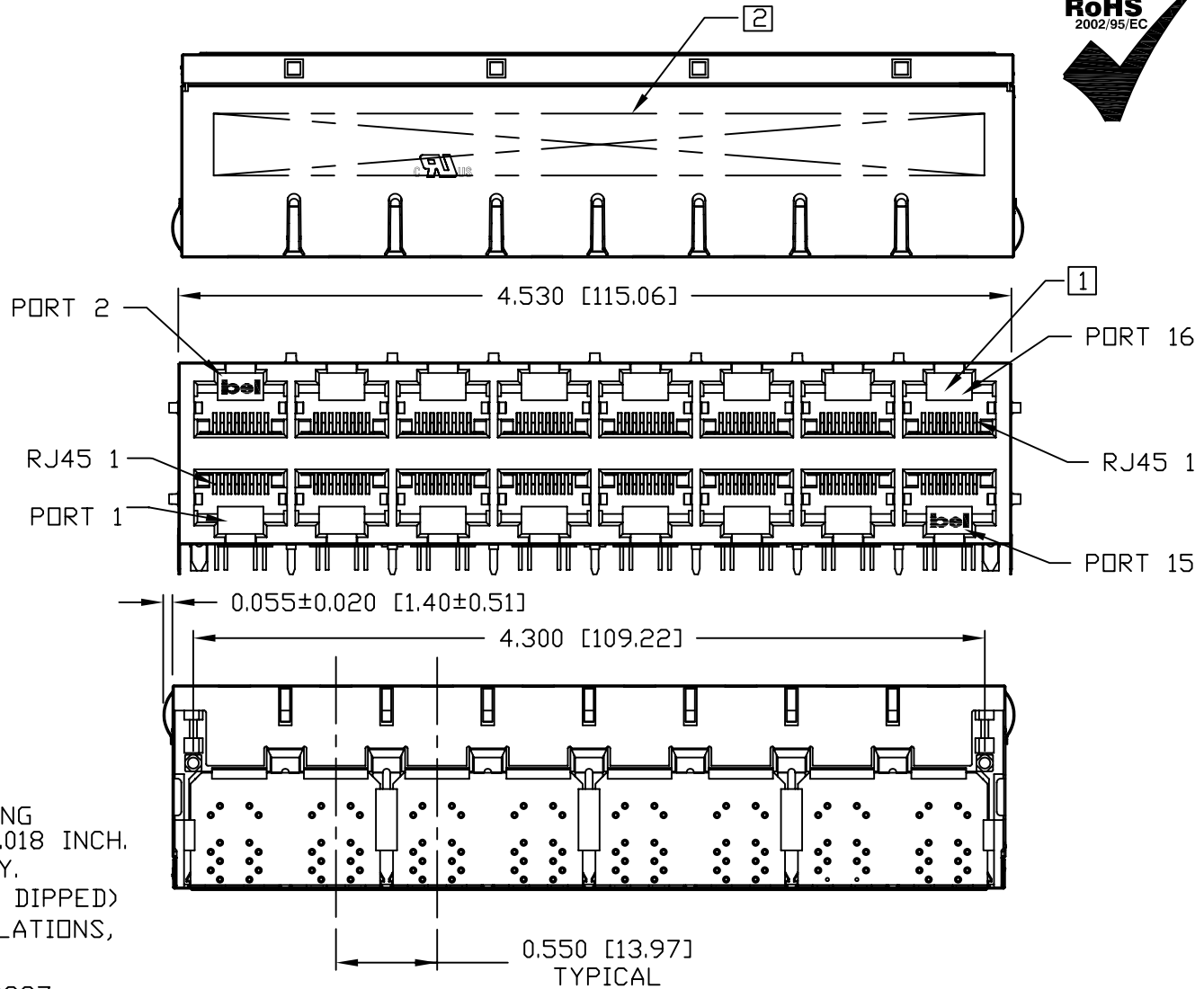
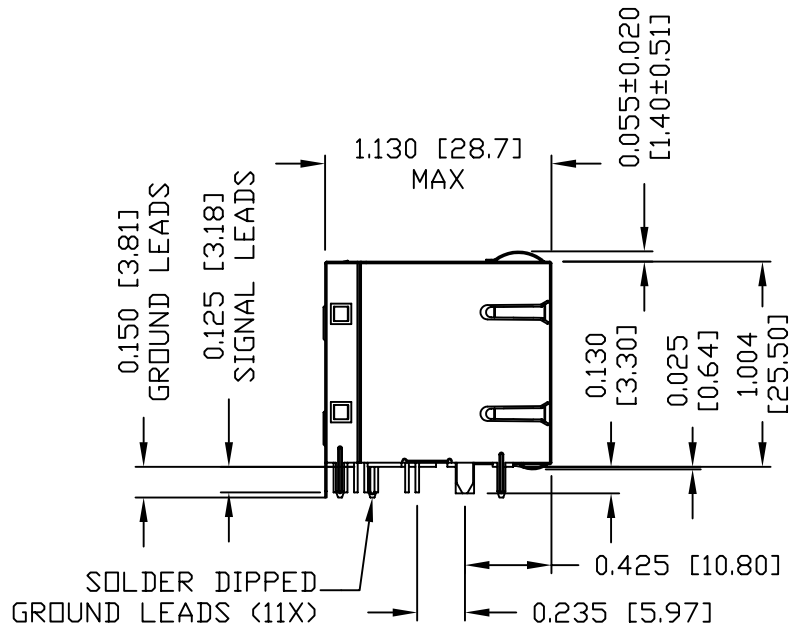
SCHEMATIC



| | | | | | | |
|--|-------------------------|--|---|--------------------------------------|-------------------------------------|-----------------------------------|
| ORIGINATED BY CHOW WANGCHUNG | DATE 09-02-09 | TITLE 2X8 10/100 MagJack® PoE 0833-2X8R-59-F PATENTED | PART NO. / DRAWING NO. 08332X8R59-F | STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REFERENCE | |
| DRAWN BY LEE WEIDE | DATE 09-02-09 | | FILE NAME 08332X8R59-F_A.DWG | .X .XX .XXX | UNIT : INCH [mm] SCALE : N/A | REV. : A SIZE : A4 PAGE : 2 |

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RoHS
2002/95/EC



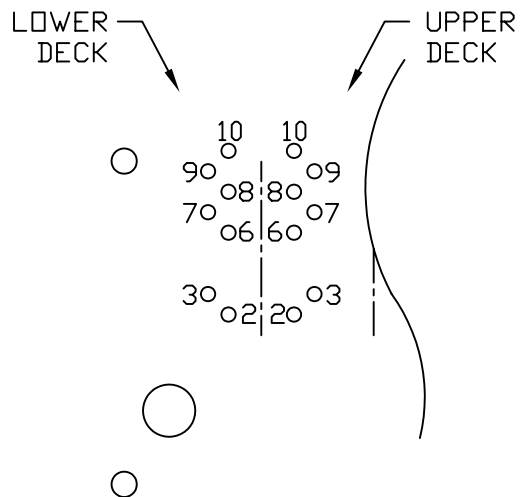
- NOTES:**
 PLASTIC HOUSING: THERMOPLASTIC PBT
 FLAMMABILITY RATING UL 94V-0
 CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
 OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
 METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
 (ALL GROUND LEADS ARE SOLDER DIPPED)

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
 UL RECOGNIZED - FILE #E196366 AND E169987.
2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC
4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

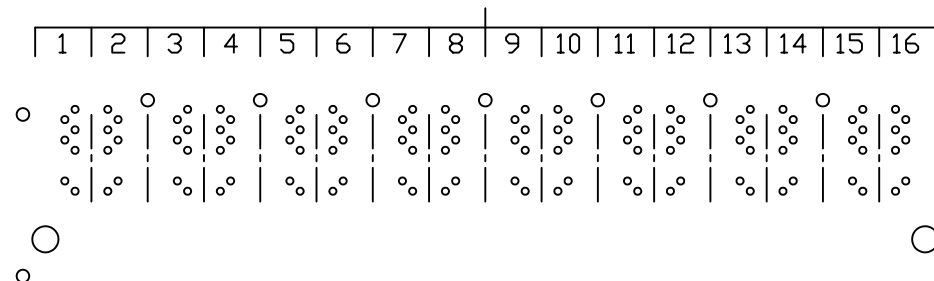
| | | | | | | |
|---------------------------------|-------------------------|--|---|---|-------------------------------------|-----------|
| ORIGINATED BY LIU QIN | DATE 09-02-09 | TITLE 2X8 10/100 MagJack® PoE 0833-2X8R-59-F PATENTED | PART NO. / DRAWING NO. 08332X8R59-F | STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.010 | [] METRIC DIM. AS REFERENCE | |
| DRAWN BY XIAN JIAXIN | DATE 09-02-09 | | FILE NAME 08332X8R59-F_A.DWG | | UNIT : INCH [mm] | REV. : A |
| | | | | | SCALE : N/A | SIZE : A4 |
| | | | | | | PAGE : 3 |



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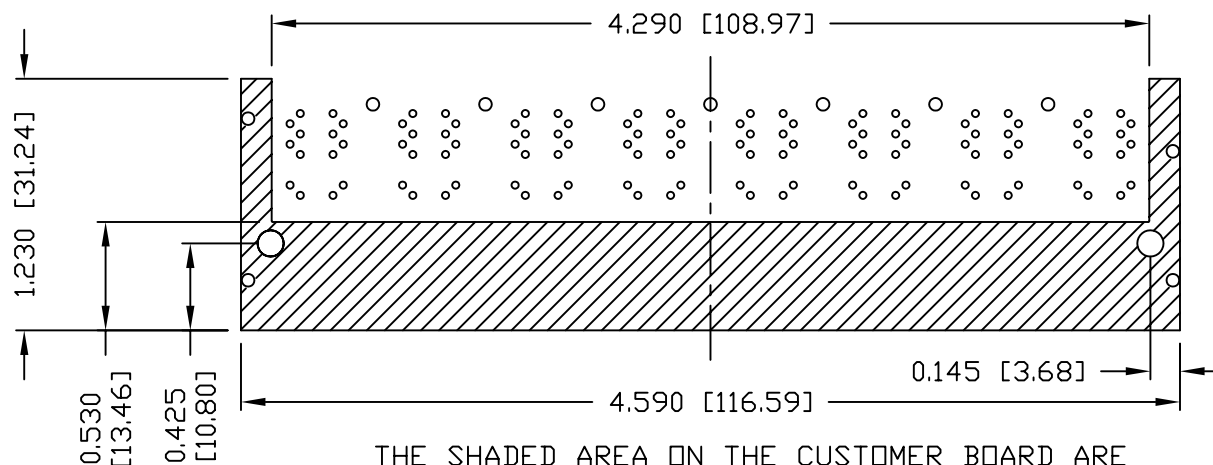
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

| | |
|----|-----------|
| 10 | COMMON CT |
| 9 | RD+ |
| 8 | RD- |
| 7 | TD+ |
| 6 | TD- |
| 5 | NO PIN |
| 4 | NO PIN |
| 3 | VC78 |
| 2 | VC45 |
| 1 | NO PIN |

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

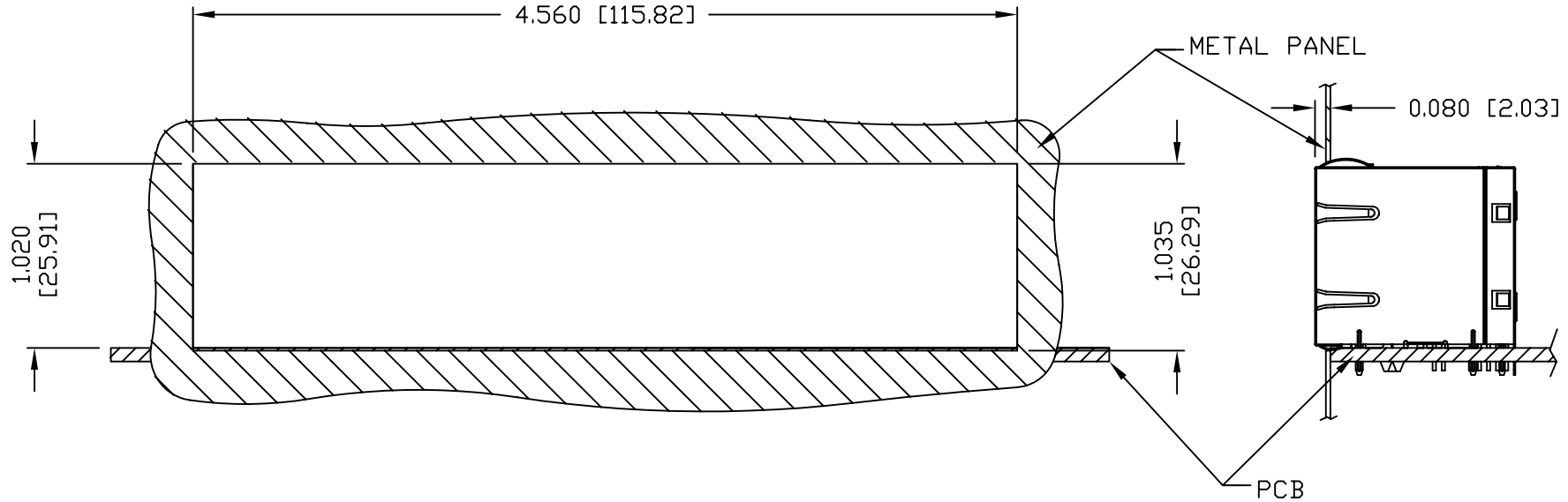


THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

| | | | | | | | | | |
|--------------------------|------------------|---|--|--|-------------------------------|--------|---------------------------------|-----------------------------------|--|
| ORIGINATED BY LIU QIN | DATE 09-02-09 | TITLE 2X8 10/100 MagJack® PoE 0833-2X8R-59-F PATENTED | PART NO. / DRAWING NO. 08332X8R59-F | | STANDARD DIM. TOL. IN INCH | | [] METRIC DIM. AS REFERENCE | | bel COMPONENTS FOR A CONNECTED PLANET |
| | | | FILE NAME 08332X8R59-F_A.DWG | | .X .XX .XXX | ±0.004 | UNIT : INCH [mm] SCALE : N/A | REV. : A SIZE : A4 PAGE : 4 | |
| DRAWN BY XIAN JIAXIN | DATE 09-02-09 | | | | | | | | |

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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-B2 (TOP)
0200-9999-B1 (BOTTOM)

PACKING QUANTITY : 10 PCS FINISHED GOODS PER TRAY
7 TRAY (70 PCS FINISHED GOODS) PER CARTON BOX

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

| | | | | | | | |
|--------------------------|------------------|---|--|----------------------------|--------|------------------------------|-----------|
| ORIGINATED BY LIU QIN | DATE 09-02-09 | TITLE 2X8 10/100 MagJack® PoE 0833-2X8R-59-F PATENTED | PART NO. / DRAWING NO. 08332X8R59-F | STANDARD DIM. TOL. IN INCH | | [] METRIC DIM. AS REFERENCE | |
| | | | | .X | | UNIT : INCH [mm] | REV. : A |
| DRAWN BY XIAN JIAXIN | DATE 09-02-09 | | FILE NAME 08332X8R59-F_A.DWG | .XX | | SCALE : N/A | SIZE : A4 |
| | | | | .XXX | ±0.004 | | PAGE : 6 |

