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| LED POLARITY | | | |
|--------------|--------|--------|--------|
| PIN 12 | PIN 11 | PIN 10 | COLOR |
| - | + | / | GREEN |
| / | + | - | ORANGE |

ELECTRICAL CHARACTERISTICS @ 25°C

TRANSFORMER RATIO

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

CL @ 100kHz/100mVRMS

| | |
|-------------|-------------|
| 8mA DC BIAS | 350μ H 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)

| | |
|--------------|-----------------------|
| 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):

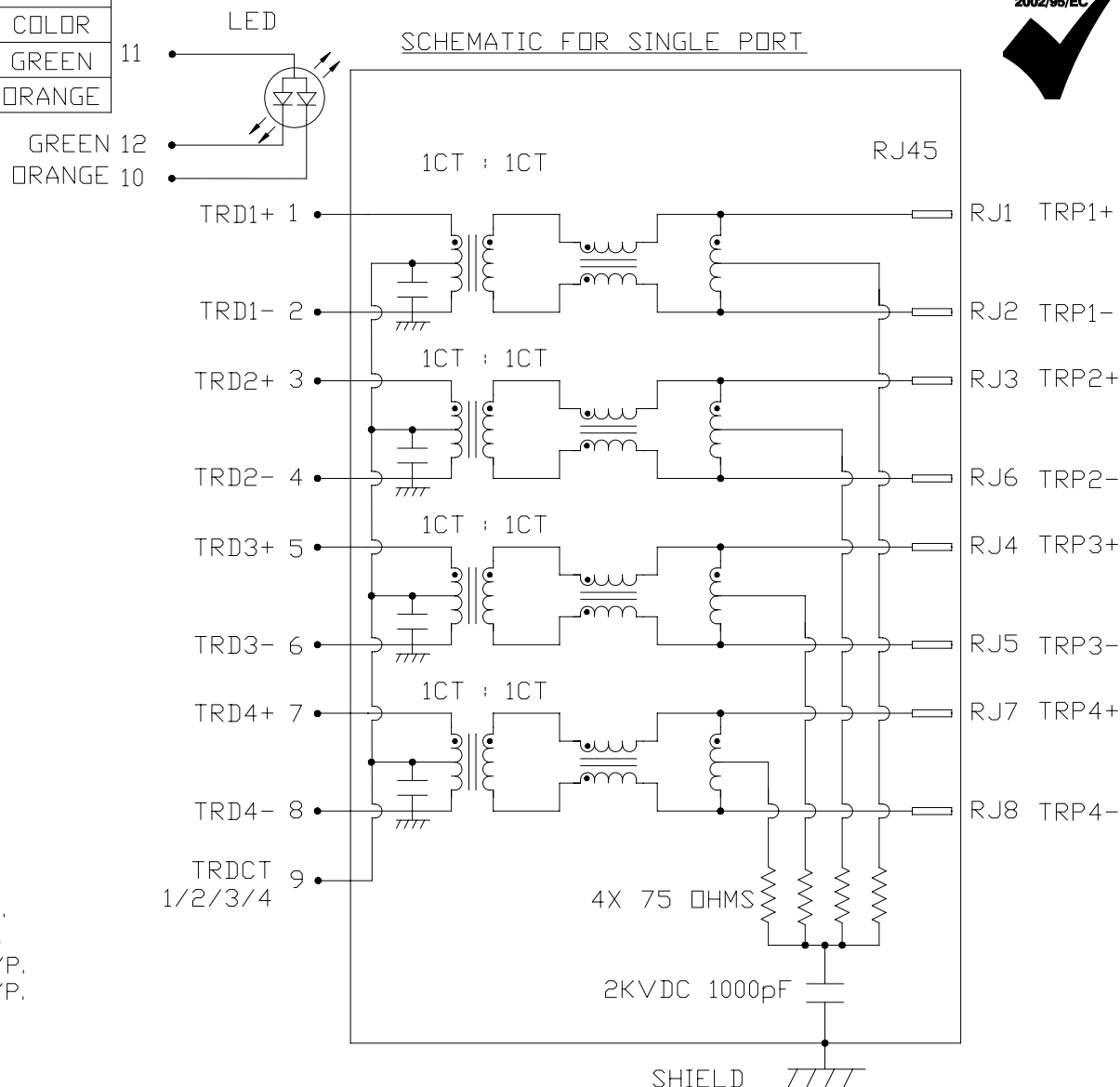
| |
|---|
| 1500 Vrms |
| 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENT |

LED

| | | | |
|---------------------------|---------|--------|------------|
| VF (FORWARD VOLTAGE) | IF=20mA | GREEN | 2.2V TYP. |
| | | ORANGE | 2.1V TYP. |
| λ D (DOMINANT WAVELENGTH) | IF=20mA | GREEN | 570nm TYP. |
| | | ORANGE | 607nm TYP. |

NOTES:

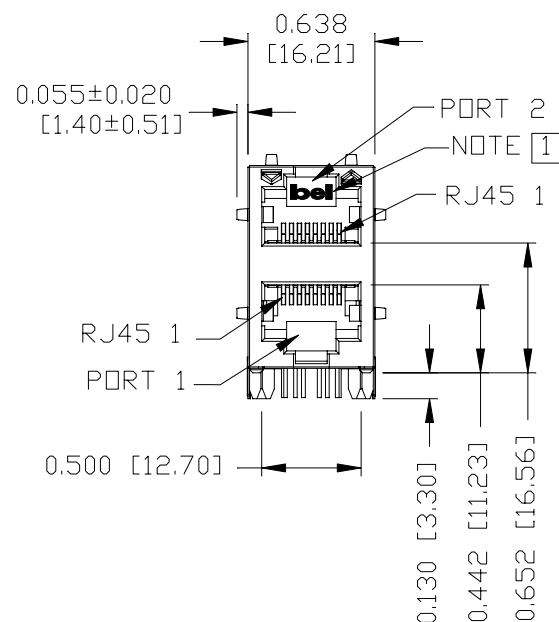
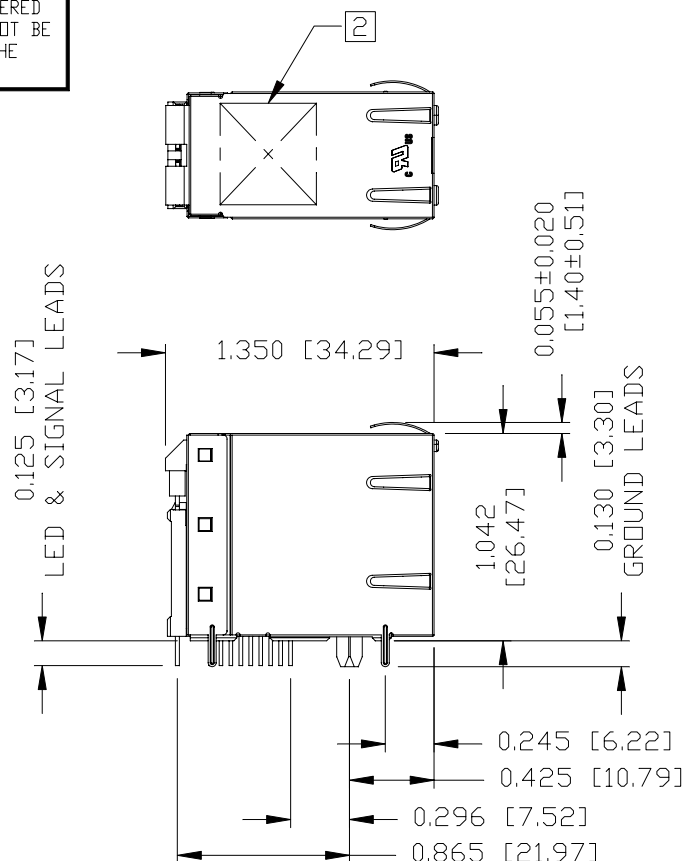
SCHEMATIC & ELECTRICAL CHARACTERISTICS ARE IDENTICAL FOR PORT 1 & PORT 2.



| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. | | [] METRIC DIM. AS REFERENCE | |
|----------------|----------|--|------------------------|---------------|--|------------------------------|-----------|
| | | | | TOL. IN INCH | | UNIT : INCH [mm] | REV. : B |
| CHOW WANGCHUNG | 08-07-10 | 2X1 gigabit MagJack® (with LED) 0843-2B1T-33-F PATENTED | 08432B1T33-F | .X | | SCALE : N/A | SIZE : A4 |
| DRAWN BY | DATE | | | .XX | | PAGE : 2 | |
| LEE WEIDE | 08-07-10 | | | .XXX | | | |



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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 OR TIN PLATED COPPER ALLOY.
(ALL NICKEL PLATED GROUND LEADS ARE SOLDER DIPPED)

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

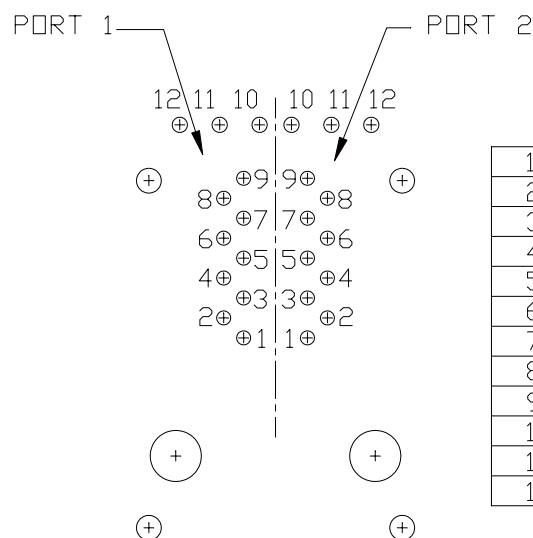
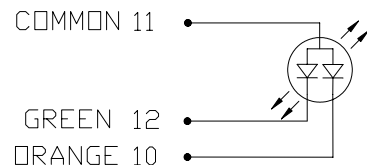
UL US UL RECOGNIZED - FILE #E196366 AND E169987.

- [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 ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817.

| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. | [] METRIC DIM. AS REFERENCE | |
|---------------|----------|--|---|---------------|------------------------------|-----------|
| CHEN BILL | 08-07-10 | 2X1 gigabit MagJack® (with LED) 0843-2B1T-33-F PATENTED | 08432B1T33-F FILE NAME 08432B1T33-F_B.DWG | TOL. IN INCH | UNIT : INCH [mm] | REV. : B |
| DRAWN BY | DATE | | | .X | SCALE : N/A | SIZE : A4 |
| XIAN JIAXIN | 08-07-10 | | | .XX | | PAGE : 3 |
| | | | | .XXX | | |



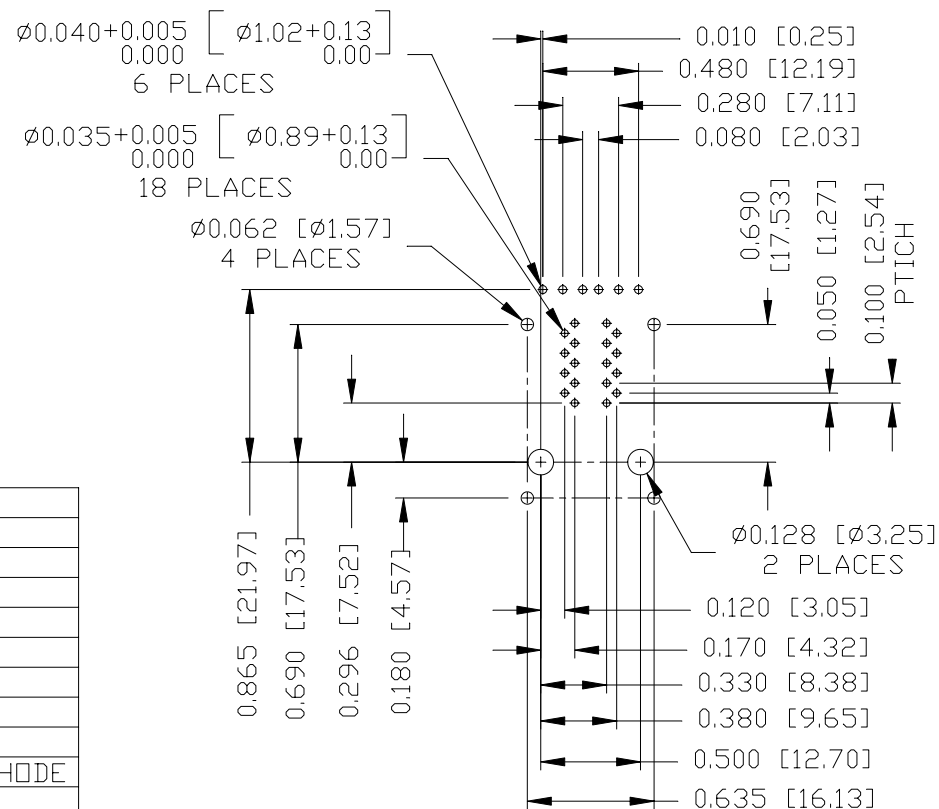
LED CONFIGURATION





| | |
|----|--------------------|
| 1 | TRD 1+ |
| 2 | TRD 1- |
| 3 | TRD 2+ |
| 4 | TRD 2- |
| 5 | TRD 3+ |
| 6 | TRD 3- |
| 7 | TRD 4+ |
| 8 | TRD 4- |
| 9 | TRCT 1/2/3/4 |
| 10 | ORANGE LED CATHODE |
| 11 | COMMON ANODE |
| 12 | GREEN LED CATHODE |

PIN-OUT INFORMATION

(COMPONENT SIDE VIEW)



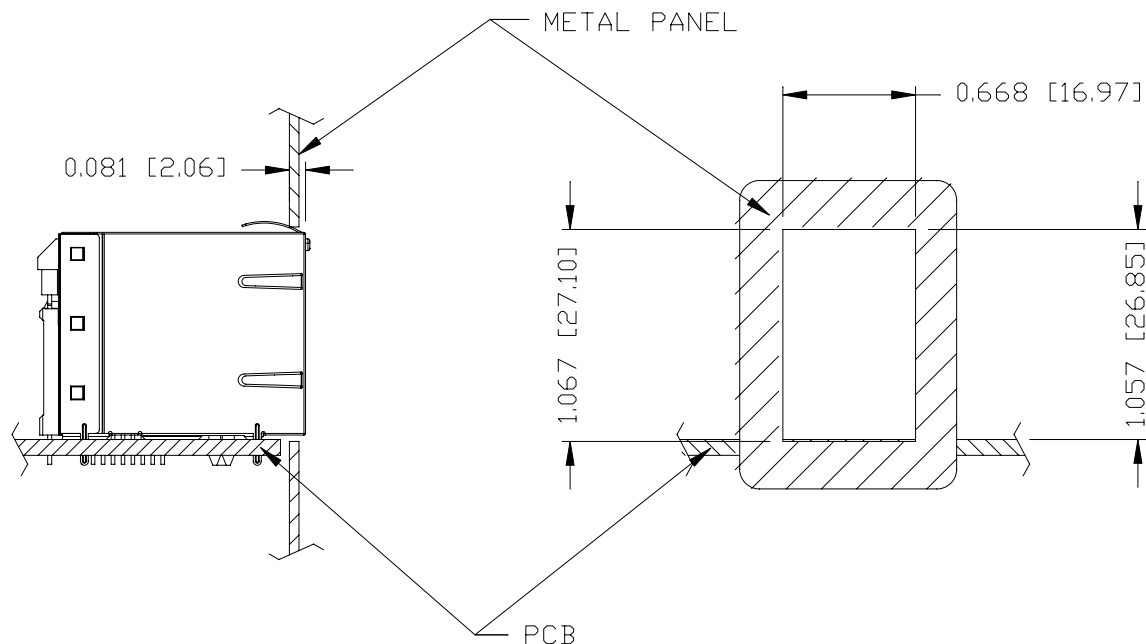
SUGGESTED FOOTPRINT (COMPONENT SIDE VIEW)

| | | | | | | | | |
|----------------------------|------------------|---|--|-------------------------------|--------|---|-----------|--|
| ORIGINATED BY CHEN BILL | DATE 08-07-10 | TITLE 2X1 gigabit MagJack® (with LED) 0843-2B1T-33-F PATENTED | PART NO. / DRAWING NO. 08432B1T33-F | STANDARD DIM. TOL. IN INCH | | [] METRIC DIM. AS REFERENCE | |  COMPONENTS-OR-A-CONNECTED PLANET |
| DRAWN BY XIAN JIAXIN | DATE 08-07-10 | | FILE NAME 08432B1T33-F_B.DWG | .X | | UNIT : INCH [mm] | REV. : B | |
| | | | | .XX | | SCALE : N/A | SIZE : A4 | |
| | | | | .XXX | ±0.004 |  | PAGE : 4 | |

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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: 0200-0148-36 (TOP)
0200-0148-34 (BOTTOM)

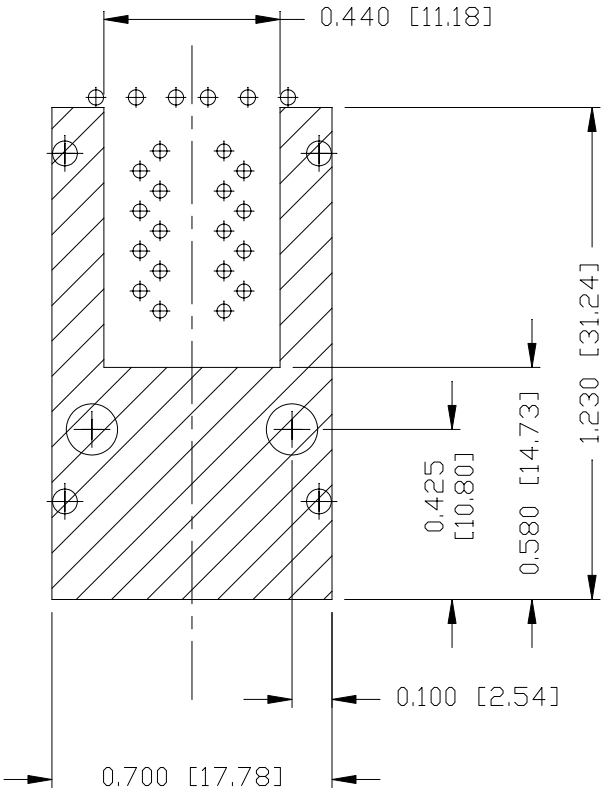
PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY
6 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. | | [] METRIC DIM. AS REFERENCE | |
|---------------|----------|--|------------------------|---------------|--------|------------------------------|-----------|
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| DRAWN BY | DATE | | | .XX | | | PAGE : 5 |
| XIAN JIAXIN | 08-07-10 | | | .XXX | ±0.004 | | |





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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 CHEN BILL | DATE 08-07-10 | TITLE 2X1 gigabit MagJack® (with LED) 0843-2B1T-33-F PATENTED | PART NO. / DRAWING NO. 08432B1T33-F | | STANDARD DIM. TOL. IN INCH | | [] METRIC DIM. AS REFERENCE | |  COMPONENTS FOR A CONNECTED PLANET |
| DRAWN BY XIAN JIAXIN | DATE 08-07-10 | | FILE NAME 08432B1T33-F_B.DWG | .X | | UNIT : INCH [mm] | | REV. : B | |
| | | | | .XX | | SCALE : N/A | | SIZE : A4 | |
| | | | | .XXX | ±0.004 |  | | PAGE : 6 | |