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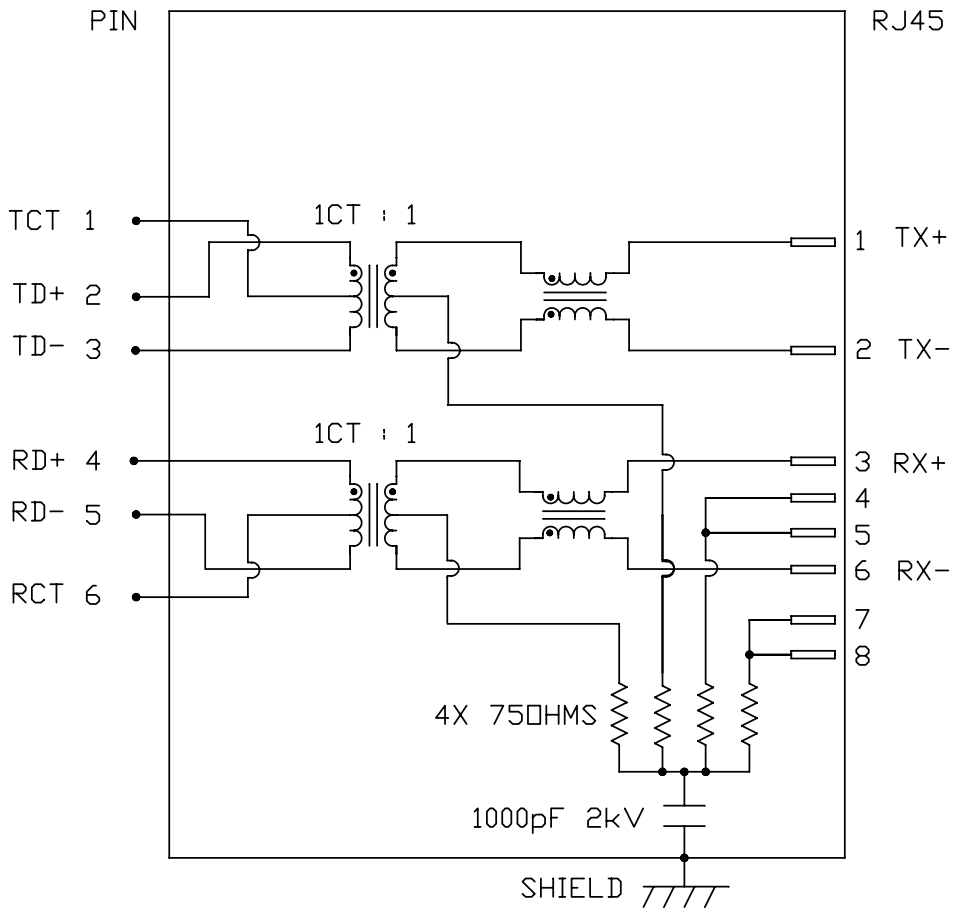
RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

|                                                                             |                       |
|-----------------------------------------------------------------------------|-----------------------|
| TURNS RATIO                                                                 |                       |
| TX                                                                          | 1CT : 1               |
| RX                                                                          | 1CT : 1               |
| OCL @ 100kHz/100mVRMS                                                       |                       |
| 8mA DC BIAS                                                                 | 350µH MIN.            |
| INS. LOSS                                                                   |                       |
| 1MHz TO 100MHz                                                              | -1.0 dB MAX           |
| RET. LOSS (MIN)                                                             |                       |
| 1MHz-30MHz                                                                  | -18 dB                |
| 30MHz-60MHz                                                                 | -18+20LOG(F/30MHz) dB |
| 60MHz-80MHz                                                                 | -12 dB                |
| CROSS TALK (TX - RX)                                                        |                       |
| 500kHz-100MHz                                                               | -35 dB MIN            |
| CM TO CM REJ                                                                |                       |
| 100kHz-100MHz                                                               | -30 dB MIN            |
| CM TO DM REJ                                                                |                       |
| 100kHz-100MHz                                                               | -40 dB MIN            |
| HIPOT (Isolation Voltage):                                                  |                       |
| 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS. | 1500 Vrms             |
| OPERATING TEMPERATURE:                                                      |                       |
|                                                                             | -40 TO +85°C          |

SCHEMATIC



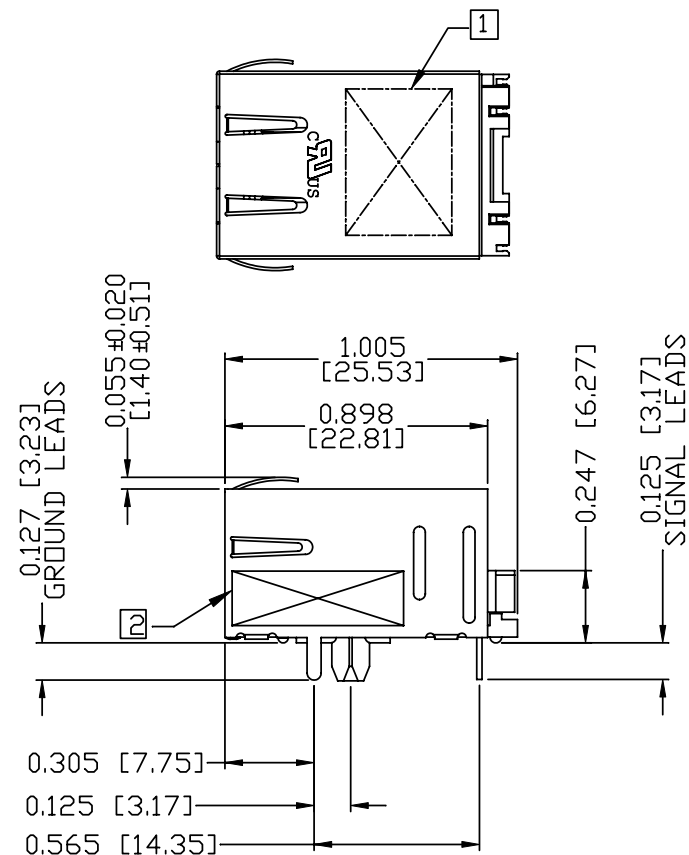
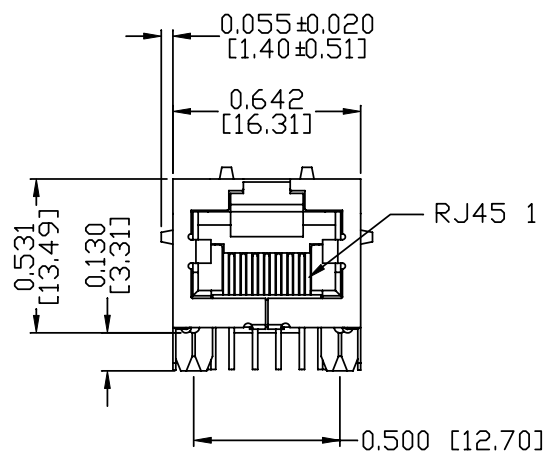
|               |            |                                                                                                    |                        |               |                                                                                       |                                                                                       |           |                                                                                                                                  |
|---------------|------------|----------------------------------------------------------------------------------------------------|------------------------|---------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| ORIGINATED BY | DATE       | TITLE<br>MagJack®<br>( Extend Temp. AND 4 CORE<br>WITH CM terminal )<br>08B1-1X1T-36-F<br>PATENTED | PART NO. / DRAWING NO. | STANDARD DIM. |                                                                                       | [ ] METRIC DIM. AS REFERENCE                                                          |           | <br>COMPONENTS FOR A<br>CONNECTED<br>PLANET |
| CHOW WANCHUNG | 2012-08-03 |                                                                                                    | 08B11X1T36-F           | TOL. IN INCH  |                                                                                       | UNIT : INCH [mm]                                                                      | REV. : D  |                                                                                                                                  |
| DRAWN BY      | DATE       |                                                                                                    | FILE NAME              | .X            |  | SCALE : N/A                                                                           | SIZE : A4 |                                                                                                                                  |
| TAN QIGUANG   | 2012-08-03 |                                                                                                    | 08B11X1T36-F_D.DWG     | .XX           |                                                                                       |                                                                                       |           |                                                                                                                                  |
|               |            |                                                                                                    | .XXX                   |               |                                                                                       |  | PAGE : 2  |                                                                                                                                  |



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## MECHANICAL SPECIFICATION

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### NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT  
FLAMMABILITY RATING UL 94V-0  
CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.  
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.  
METAL SHIELD: PRE-PLATED NICKEL ON COPPER ALLOY.  
(ALL GROUND LEADS ARE SOLDER DIPPED)

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

☒ "PATENTED" MARKING.

UL RECOGNIZED - FILE #E196366 AND E169987.

3. THE PRODUCT IS RoHS COMPLIANT.

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

5. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

|                             |                    |                                                                                                     |                                        |                               |                                     |                                   |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|-------------------------------------|-----------------------------------|
| ORIGINATED BY<br>ANTON LIAO | DATE<br>2012-08-03 | TITLE<br>MagJack ®<br>( Extend Temp. AND 4 CORE<br>WITH CM terminal )<br>08B1-1X1T-36-F<br>PATENTED | PART NO. / DRAWING NO.<br>08B11X1T36-F | STANDARD DIM.<br>TOL. IN INCH | [ ] METRIC DIM. AS REFERENCE        |                                   |
|                             |                    |                                                                                                     | FILE NAME<br>08B11X1T36-F_D.DWG        | .X<br>.XX<br>.XXX ±0.010      | UNIT : INCH [mm]<br>SCALE : N/A<br> | REV. : D<br>SIZE : A4<br>PAGE : 3 |

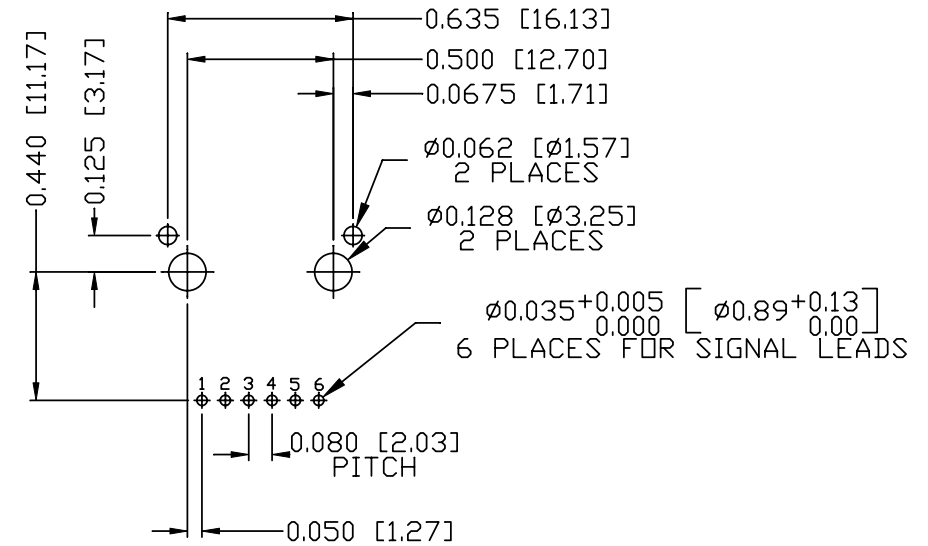
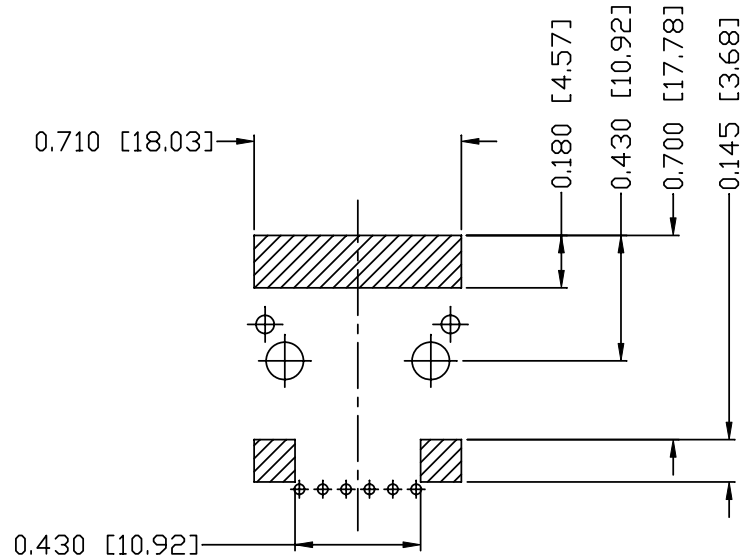
**bel**  
COMPONENTS FOR A  
CONNECTED  
PLANET

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RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW



NOTES:

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

| ORIGINATED BY | DATE       | TITLE                                                                                      | PART NO. / DRAWING NO. | STANDARD DIM. | [ ] METRIC DIM. AS REFERENCE |           |                                                                                                                                  |
|---------------|------------|--------------------------------------------------------------------------------------------|------------------------|---------------|------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| ANTON LIAO    | 2012-08-03 | MagJack ®<br>( Extend Temp. AND 4 CORE<br>WITH CM terminal )<br>08B1-1X1T-36-F<br>PATENTED | 08B11X1T36-F           | TOL. IN INCH  | UNIT : INCH [mm]             | REV. : D  | <br>COMPONENTS FOR A<br>CONNECTED<br>PLANET |
| DRAWN BY      | DATE       |                                                                                            | FILE NAME              | .X            | SCALE : N/A                  | SIZE : A4 |                                                                                                                                  |
| HE ZHEN       | 2012-08-03 |                                                                                            | 08B11X1T36-F_D.DWG     | .XX           | ±0.004                       | PAGE : 4  |                                                                                                                                  |

DC002(2)081111

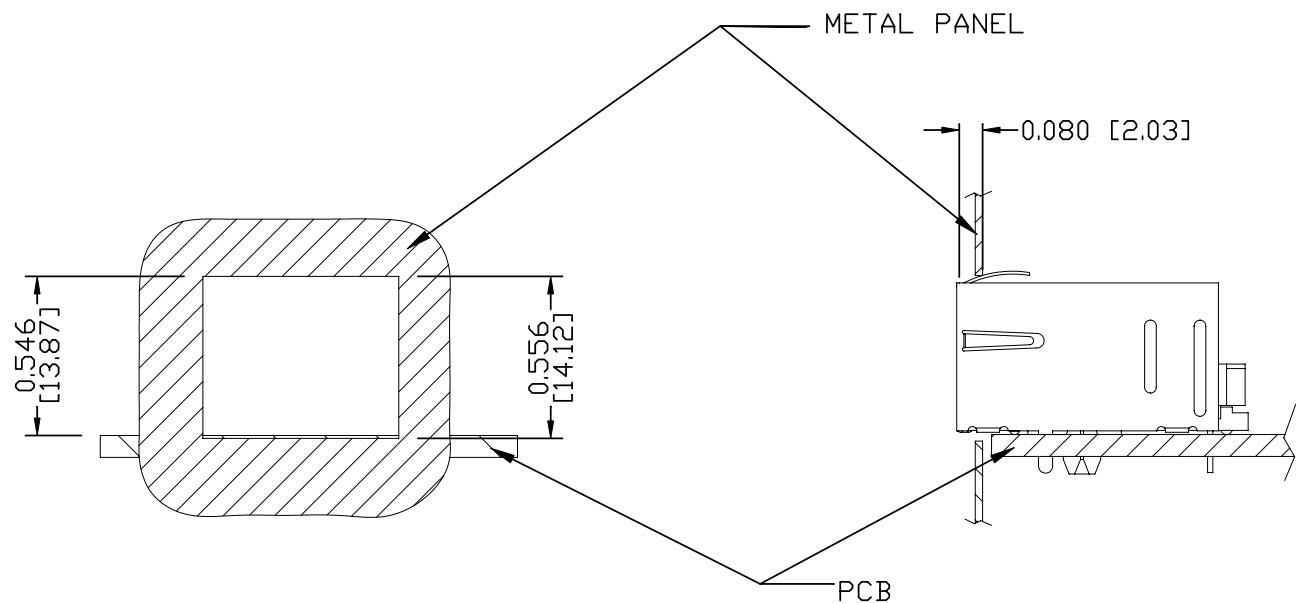
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SUGGESTED PANEL OPENING



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

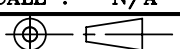
PACKING TRAY : 0200-9999-D4(TOP)

0200-9999-D5(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)

| ORIGINATED BY | DATE       | TITLE                                                                                      | PART NO. / DRAWING NO. | STANDARD DIM. |        | [ ] METRIC DIM. AS REFERENCE                                                          |           | <br>COMPONENTS FOR A<br>CONNECTED<br>PLANET |
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| HE ZHEN       | 2012-08-03 |                                                                                            | 08B11X1T36-F_D.DWG     | .XX           |        |  | PAGE : 5  |                                                                                                                                  |
|               |            |                                                                                            |                        | .XXX          | ±0.004 |                                                                                       |           |                                                                                                                                  |