

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY

RoHS
2002/95/EC



| LED1 POLARITY | | | LED2 POLARITY | | |
|---------------|--------|-------|---------------|--------|-------|
| PIN 15 | PIN 16 | COLOR | PIN 17 | PIN 18 | COLOR |
| - | + | GREEN | - | + | GREEN |

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO 1CT : 1CT ±2%

QCL @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN.

INSERTION LOSS

100KHz TO 100MHz -1.5 dB MAX.

RETURN LOSS (MIN.)

2MHz-30MHz -16 dB MIN.

60MHz-80MHz -10 dB MIN.

CROSS TALK

100KHz - 100MHz -30 dB MIN.

HIPOT (ISOLATION VOLTAGE)

2250 VDC

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENTS

BALANCED DC LINE CURRENT

350mA MAX. @ 57 VDC CONTINUOUS

500mA MAX. @ 57 VDC FOR 200 MILLSECONDS

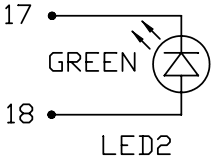
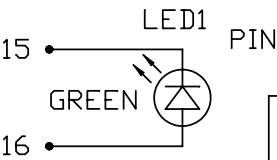
LED 1 & 2

VF (FORWARD VOLTAGE)

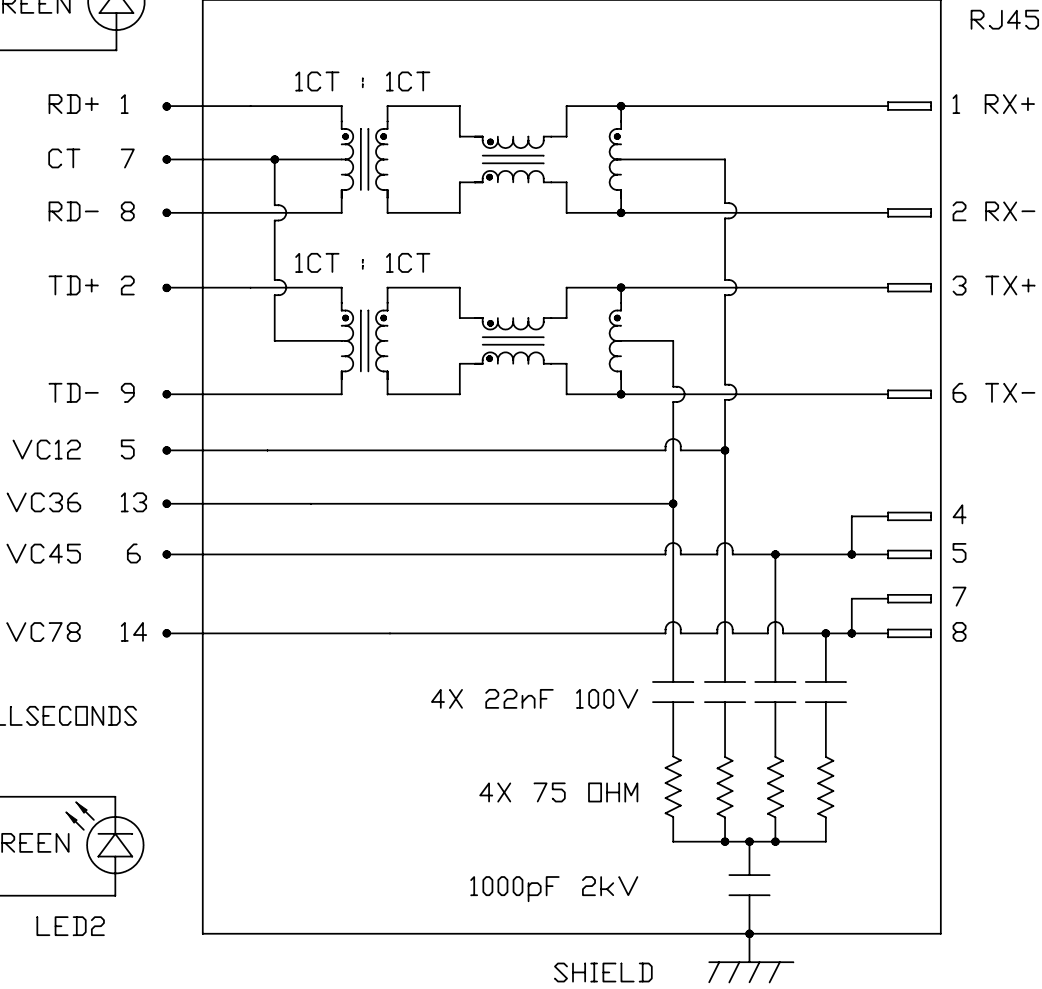
IF=20mA GREEN 2.2V TYP.

λD (DOMINANT WAVELENGTH)

IF=20mA GREEN 565nm TYP.



SCHEMATIC



| | |
|----------------|----------|
| ORIGINATED BY | DATE |
| CHOW WANGCHUNG | 05-19-11 |
| DRAWN BY | DATE |
| LEE WEIDE | 05-19-11 |

| | |
|-----------|----------------------------------|
| TITLE | 10/100 MagJack® (PoE, Tab Up) |
| FILE NAME | 0826-1G4T-57-F PATENTED |

| | |
|------------------------|---------------------|
| PART NO. / DRAWING NO. | 08261G4T57-F |
| FILE NAME | 08261G4T57-F_PC.DWG |

| | |
|---------------|--------------|
| STANDARD DIM. | TOL. IN INCH |
| .X | |
| .XX | |
| .XXX | |

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



THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

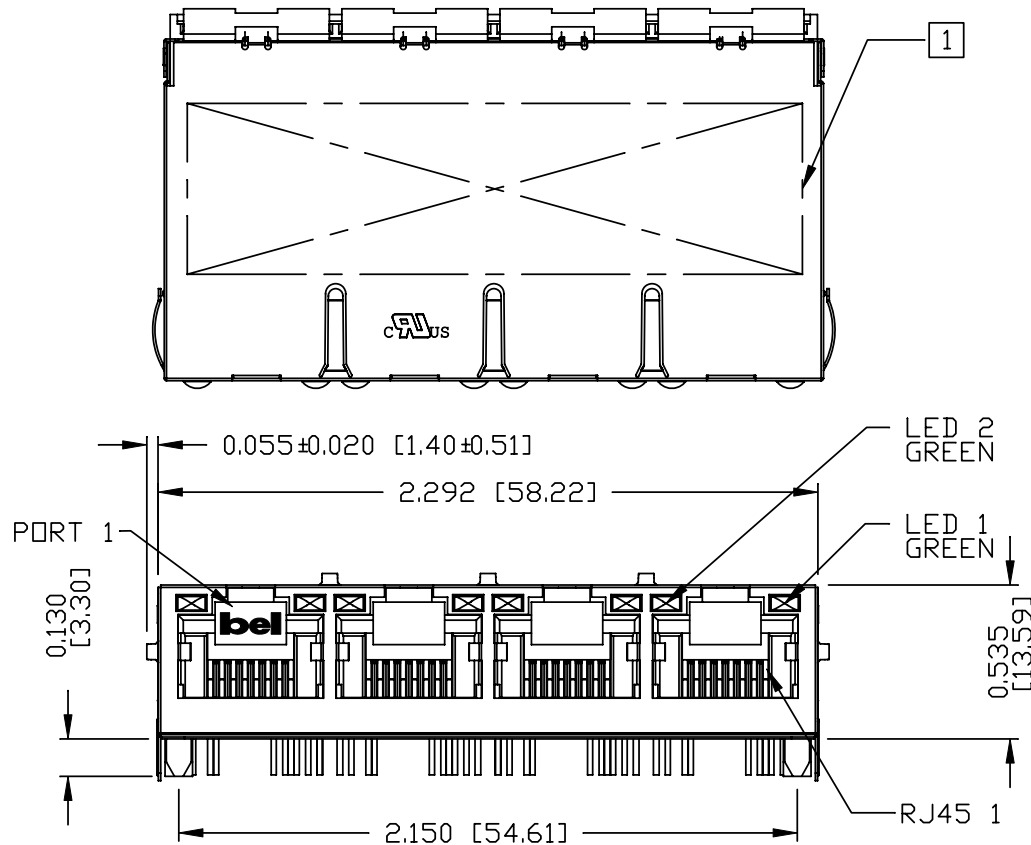
PRELIMINARY

RoHS
2002/95/EC



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 DIPPED)

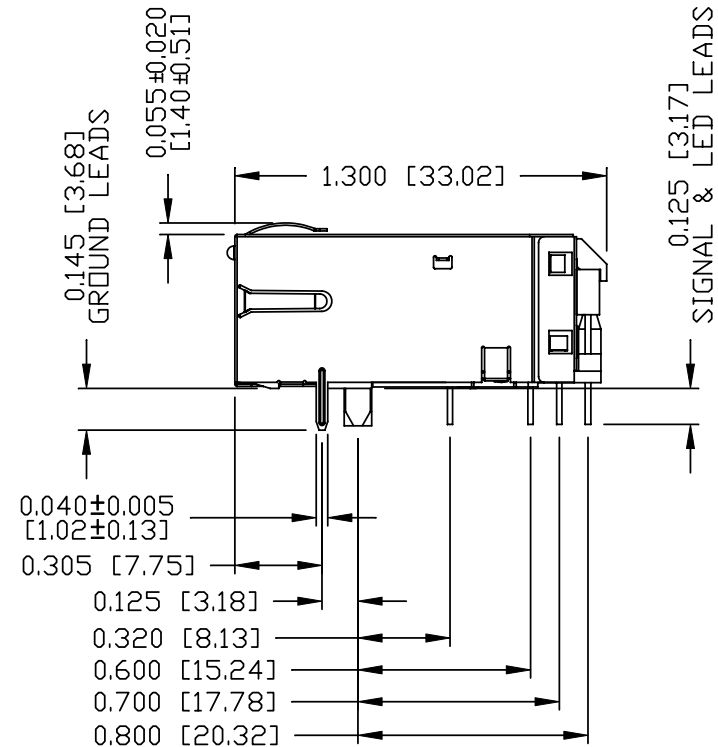


1. MARK PART WITH MFG. LOGO; MFG. NAME; PART NUMBER; DATE CODE AND PATENTED.

UL UL RECOGNIZED - FILE #E196366 AND E169987.

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

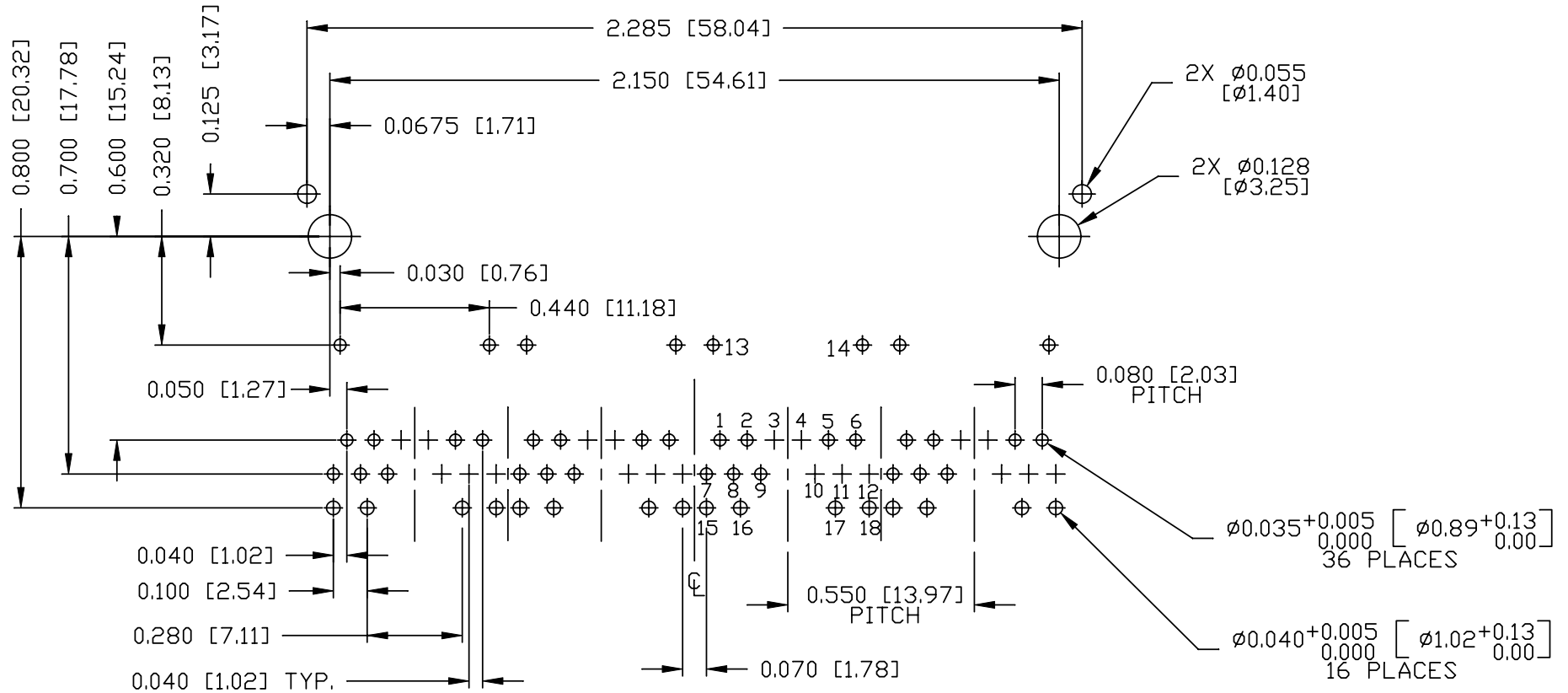
2. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS
3. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.



| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. | | [] METRIC DIM. AS REFERENCE | |
|---------------|----------|---|--|---------------|--------|------------------------------|-----------|
| | | | | TOL. IN INCH | | UNIT : INCH [mm] | REV. : PC |
| CHEN BILL | 05-19-11 | 10/100 MagJack © (PoE, Tab Up) 0826-1G4T-57-F PATENTED | 08261G4T57-F FILE NAME 08261G4T57-F_PC.DWG | .X | | SCALE : N/A | SIZE : A4 |
| DRAWN BY | DATE | | | .XX | | | PAGE : 3 |
| HE ZHEN | 05-19-11 | | | .XXX | ±0.010 | | |

bel
COMPONENTS FOR A
CONNECTED
PLANET

PRELIMINARY



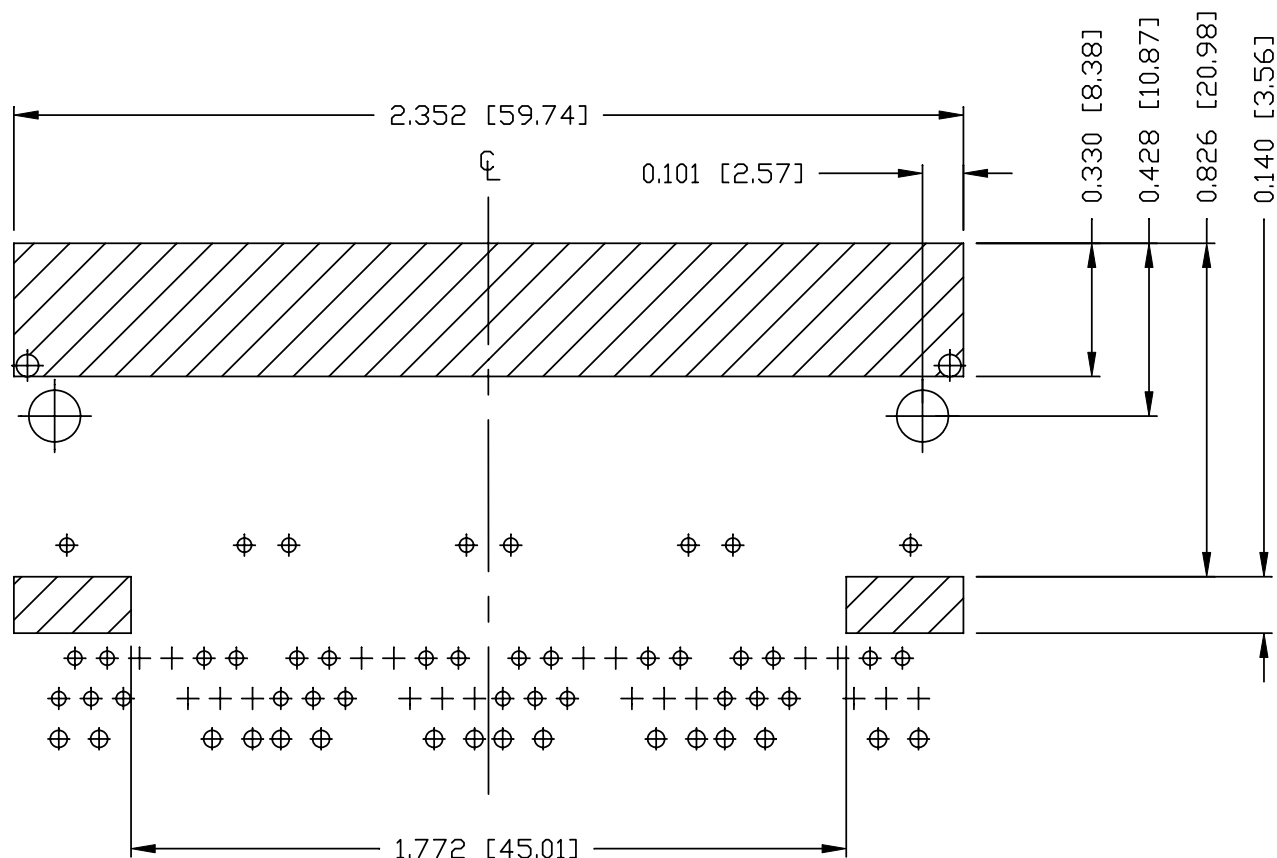
RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REFERENCE |
|---------------|----------|----------------------------------|------------------------|-------------------------------|------------------------------|
| CHEN BILL | 05-19-11 | 10/100 MagJack® (PoE, Tab Up) | 08261G4T57-F | | UNIT : INCH [mm] REV. : PC |
| DRAWN BY | DATE | | FILE NAME | | SCALE : N/A SIZE : A4 |
| HE ZHEN | 05-19-11 | 0826-1G4T-57-F PATENTED | 08261G4T57-F_PC.DWG | .X .XX .XXX ±0.004 | PAGE : 4 |

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY

RoHS
2002/95/EC



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 | |
|---------------|----------|---|----------------------------------|---------------|--------|------------------------------|-----------|
| CHEN BILL | 05-19-11 | | | TOL. IN INCH | | UNIT : INCH [mm] | REV. : PC |
| DRAWN BY | DATE | 10/100 MagJack ® <PoE, Tab Up> 0826-1G4T-57-F PATENTED | FILE NAME 08261G4T57-F_PC.DWG | .X | | SCALE : N/A | SIZE : A4 |
| HE ZHEN | 05-19-11 | | | .XX | | | |
| | | | | .XXX | ±0.004 | | PAGE : 5 |

bel
COMPONENTS FOR A
CONNECTED
PLANET

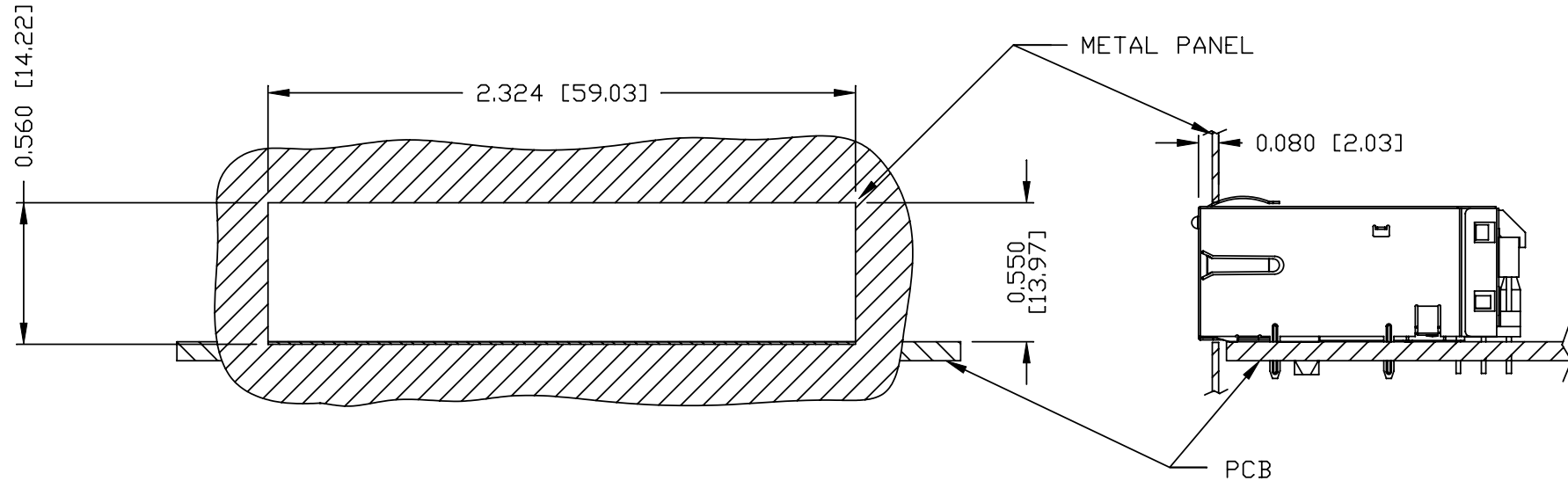
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS
2002/95/EC



PRELIMINARY

SUGGESTED PANEL OPENING



NOTES:

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-B4 (TOP)
0200-9999-B5 (BOTTOM)

PACKING QUANTITY : 24 PCS FINISHED GOODS PER TRAY
10 TRAYS (240 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. TOL. IN INCH | [] METRIC DIM. AS REFERENCE |
|---------------|----------|----------------------------------|------------------------|-------------------------------|------------------------------|
| CHEN BILL | 05-19-11 | 10/100 MagJack® (PoE, Tab Up) | 08261G4T57-F | | UNIT : INCH [mm] REV. : PC |
| DRAWN BY | DATE | | FILE NAME | .X | SCALE : N/A SIZE : A4 |
| HE ZHEN | 05-19-11 | 0826-1G4T-57-F PATENTED | 08261G4T57-F_PC.DWG | .XX | PAGE : 6 |
| | | | | .XXX ±0.004 | |

bel
COMPONENTS FOR A
CONNECTED
PLANET