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LED 1 POLARITY			LED 2 POLARITY		
PIN 17	PIN 18	COLOR	PIN 19	PIN 20	COLOR
-	+	YELLOW	+	-	ORANGE
			-	+	GREEN

RoHS



**ELECTRICAL CHARACTERISTICS @ 25°C**

**URNS RATIO**

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

**OCL @ 100kHz/100mVRMS (4CHANNEL)**

11mA DC BIAS 350µH MIN.

Compliant to IEEE 802.3at specification

**INS. LOSS**

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.8 dB MAX
65MHz TO 100MHz	-1.0 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):**

2250 VDC

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENTS

**BALANCED DC LINE CURRENT 720 mA MAX. @ 57 VDC CONTINUOUS**

1.2 A MAX. @ 57 VDC FOR 200 MILLISECONDS

**OPERATING TEMPERATURE:**

-40°C TO 85°C

**LED 1**

VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

**LED 2**

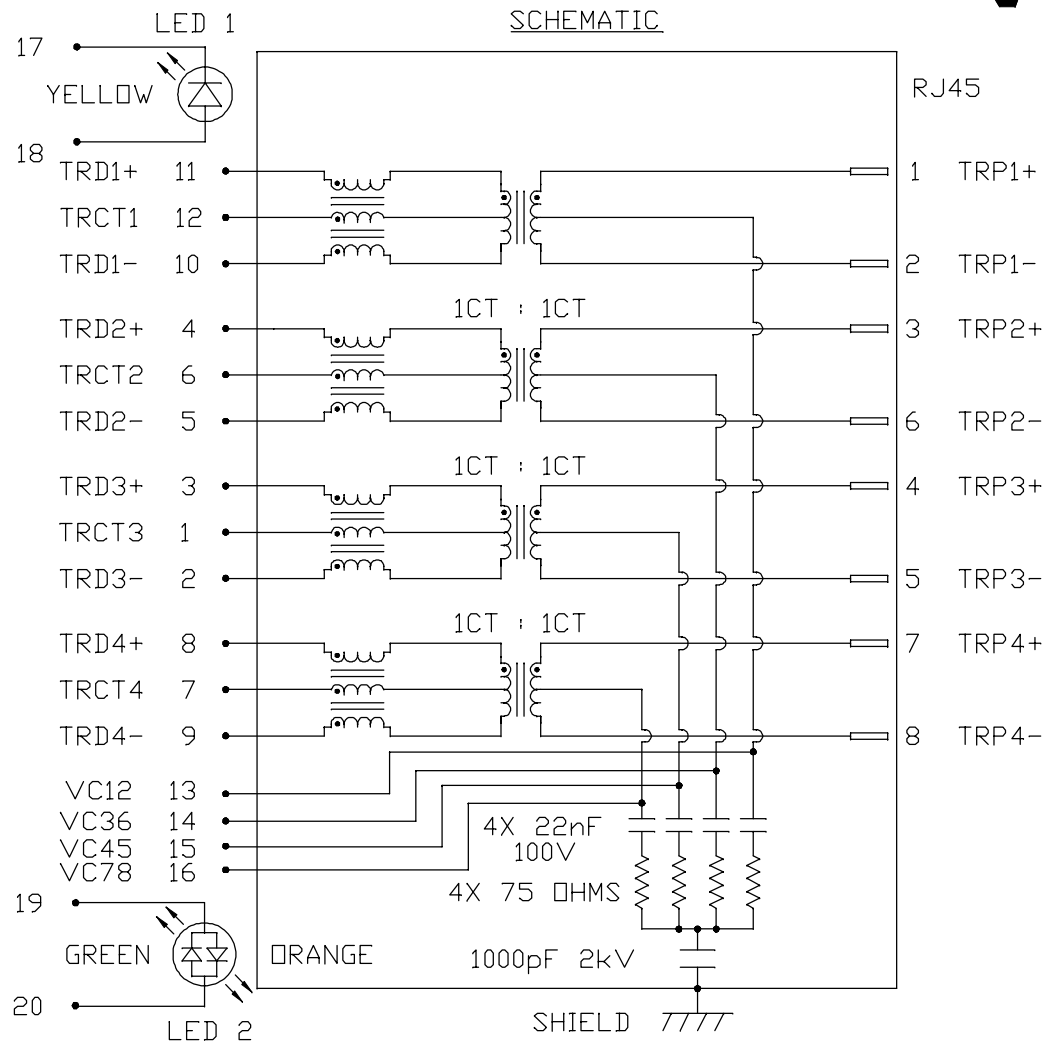
VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.

ORANGE 2.0V TYP.

ORANGE 605nm TYP.

OPERATING TEMPERATURE: -40°C TO 85°C



REV. : B PAGE : 2

<b>ORIGINATED BY</b> CHOW WANCHUNG	<b>TITLE</b> 1X4 glgabit MagJack® (PoEp, Extended Temperature)	<b>PART NO. / DRAWING NO.</b> 08261X4TGH-F	<b>STANDARD DIM.</b> TOL. IN INCH	[ ] METRIC DIM. AS REF.
<b>DATE</b> 2017-04-03				
<b>DRAWN BY</b> XIE YIMING	0826-1X4T-GH-F PATENTED	<b>FILE NAME</b> 08261X4TGH-F_B.DWG	.X	UNIT : INCH [mm]
<b>DATE</b> 2017-04-03			.XX	SCALE : N/A
			.XXX	SIZE : A4



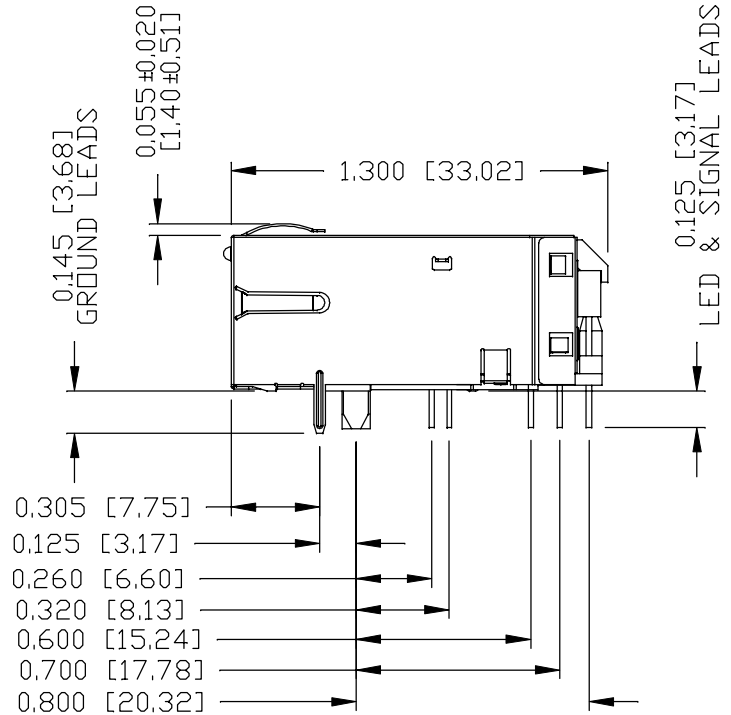
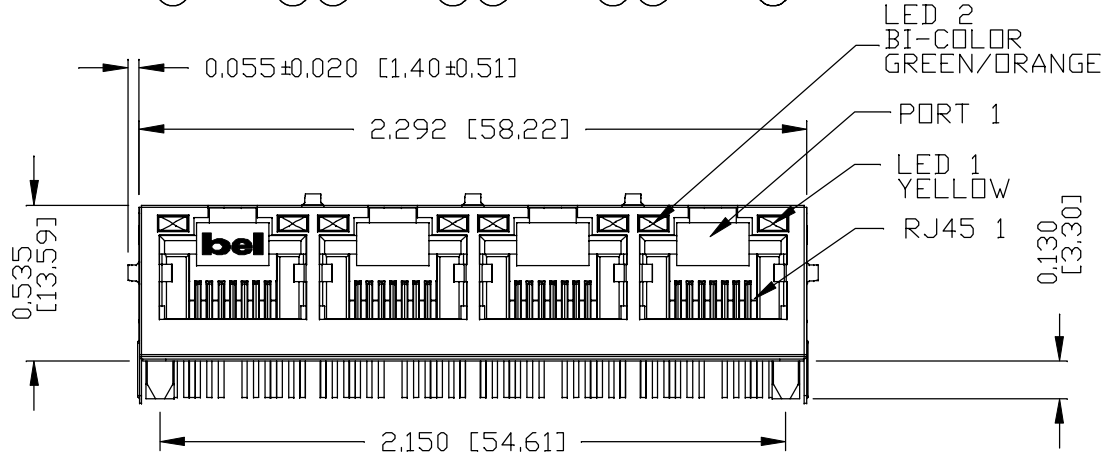
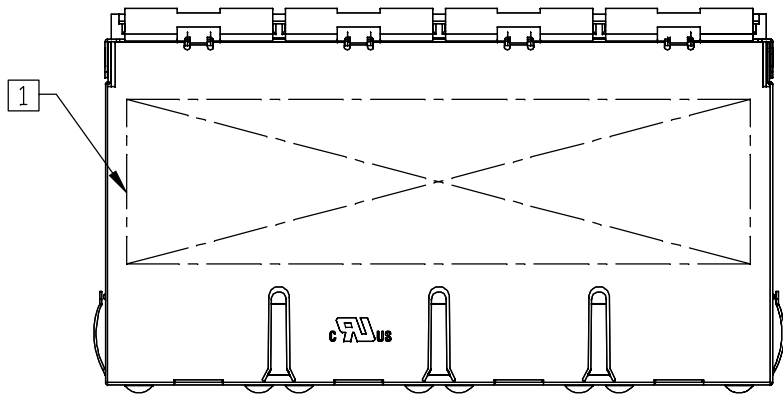
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NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK  
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
- PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.  
100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.  
(ALL GROUND LEADS ARE SOLDER DIPPED)
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 7,123,117.
- [1] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER  
DATE CODE AND PATENTED.



2. THE PRODUCT IS RoHS COMPLIANT.

**UL** UL RECOGNIZED - FILE #E196366 AND E169987.

3. THE PART IS RECOMMENDED FOR WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

ORIGINATED BY  
ANTON LIAO  
DATE 2017-04-03

DRAWN BY  
JESSE LI  
DATE 2017-04-03

TITLE  
1X4 glgabit MagJack®  
(PoEp, Extended Temperature)

0826-1X4T-GH-F  
PATENTED

PART NO. / DRAWING NO.  
08261X4TGH-F

FILE NAME  
08261X4TGH-F\_B.DWG

STANDARD DIM.  
TOL. IN INCH

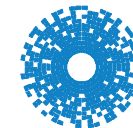
.X	
.XX	
.XXX	±0.010

[ ] METRIC DIM.  
AS REF.

UNIT : INCH [mm]  
SCALE : N/A  
SIZE : A4

REV. : B

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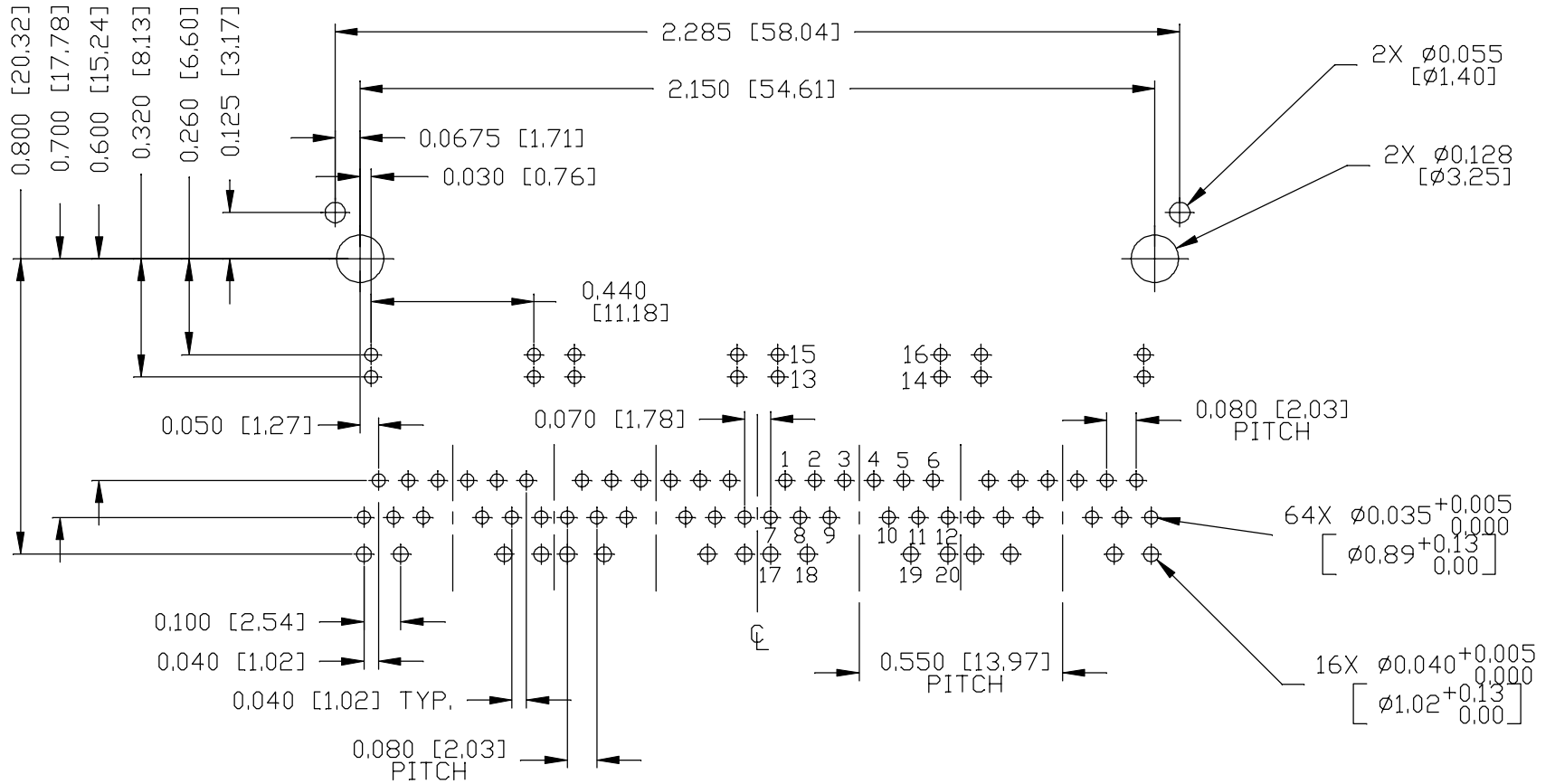
**bel** MAGNETIC SOLUTIONS  
a bel group

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RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW



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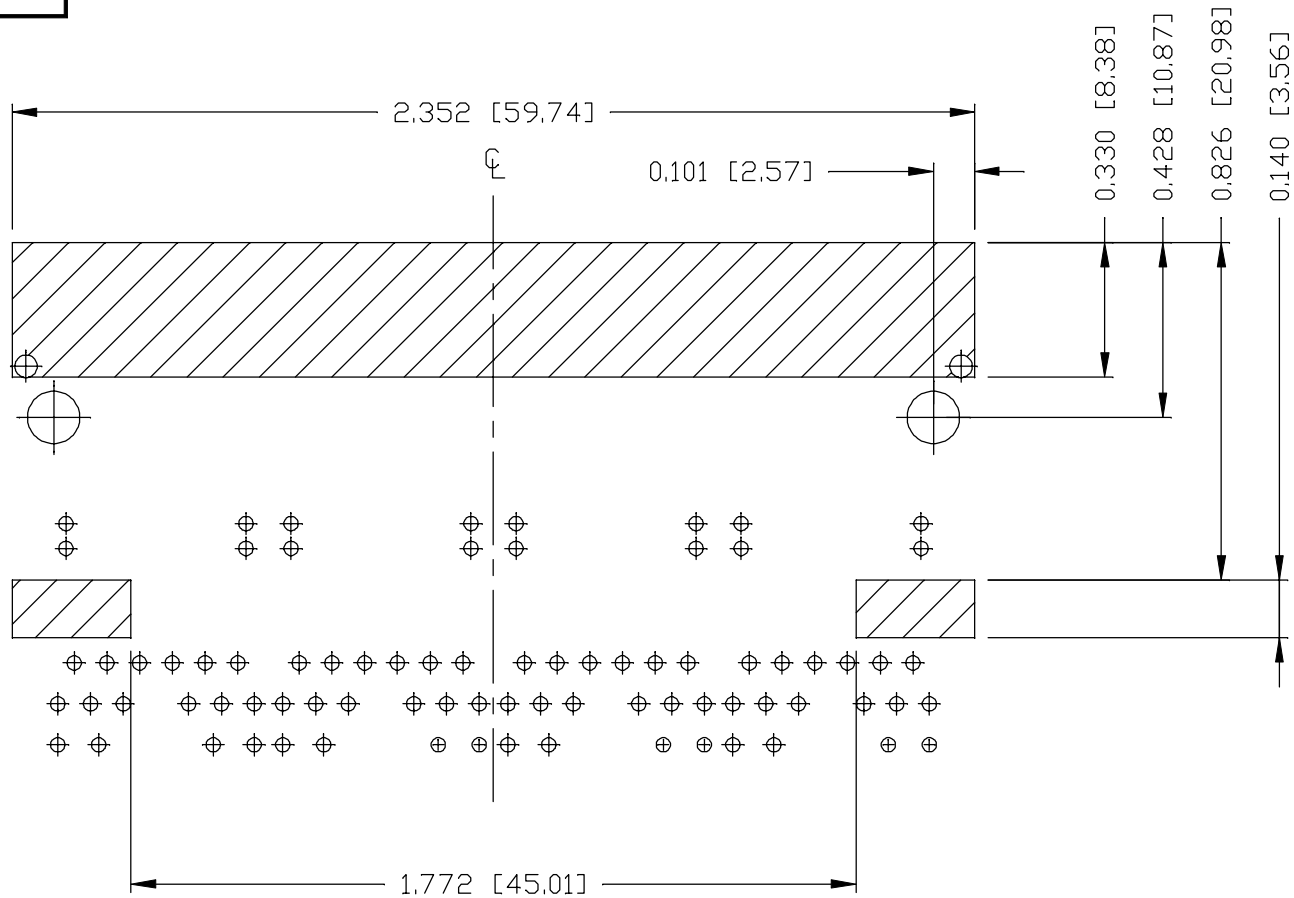
STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
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NOTES:

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

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DRAWN BY  
JESSE LI  
DATE 2017-04-03

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(PoEp, Extended Temperature)  
0826-1X4T-GH-F  
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PART NO. / DRAWING NO.  
08261X4TGH-F  
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STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	±0.004
	SIZE : A4

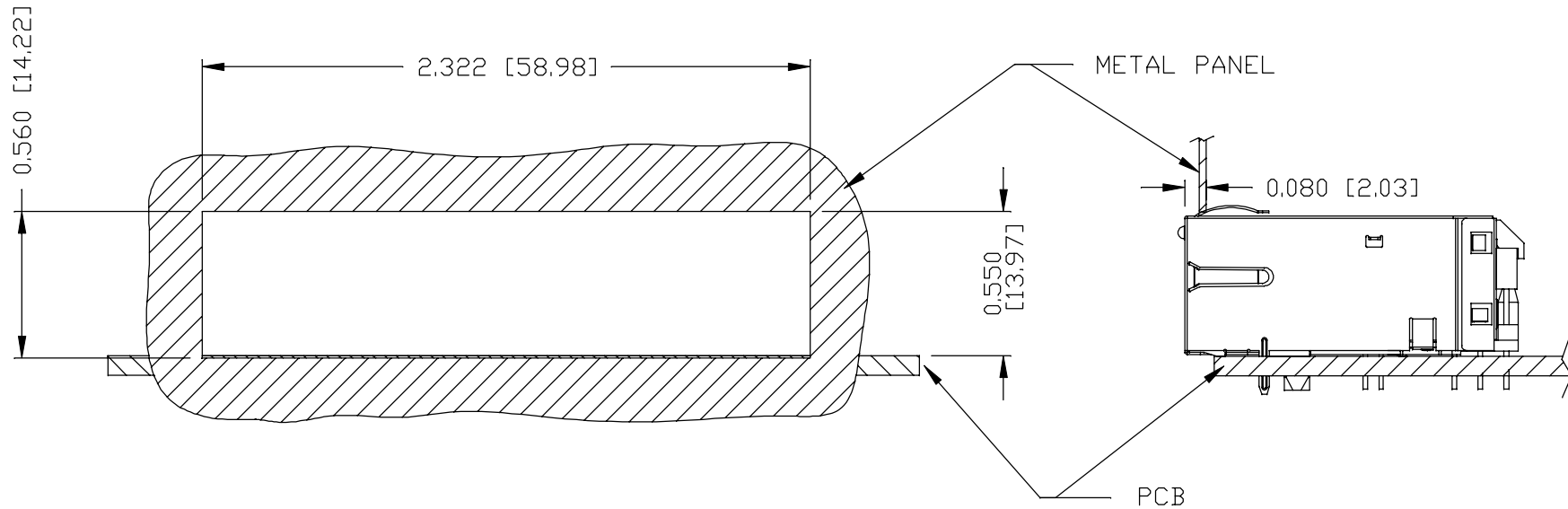


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SUGGESTED PANEL OPENING



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)

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<b>ORIGINATED BY</b> ANTON LIAO <b>DATE</b> 2017-04-03	<b>TITLE</b> 1X4 gigabit MagJack® (PoEp, Extended Temperature) 0826-1X4T-GH-F PATENTED	<b>PART NO. / DRAWING NO.</b> 08261X4TGH-F <b>FILE NAME</b> 08261X4TGH-F_B.DWG	<b>STANDARD DIM. TOL. IN INCH</b> [ ] METRIC DIM. AS REF.			
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