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

PRELIMINARY



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

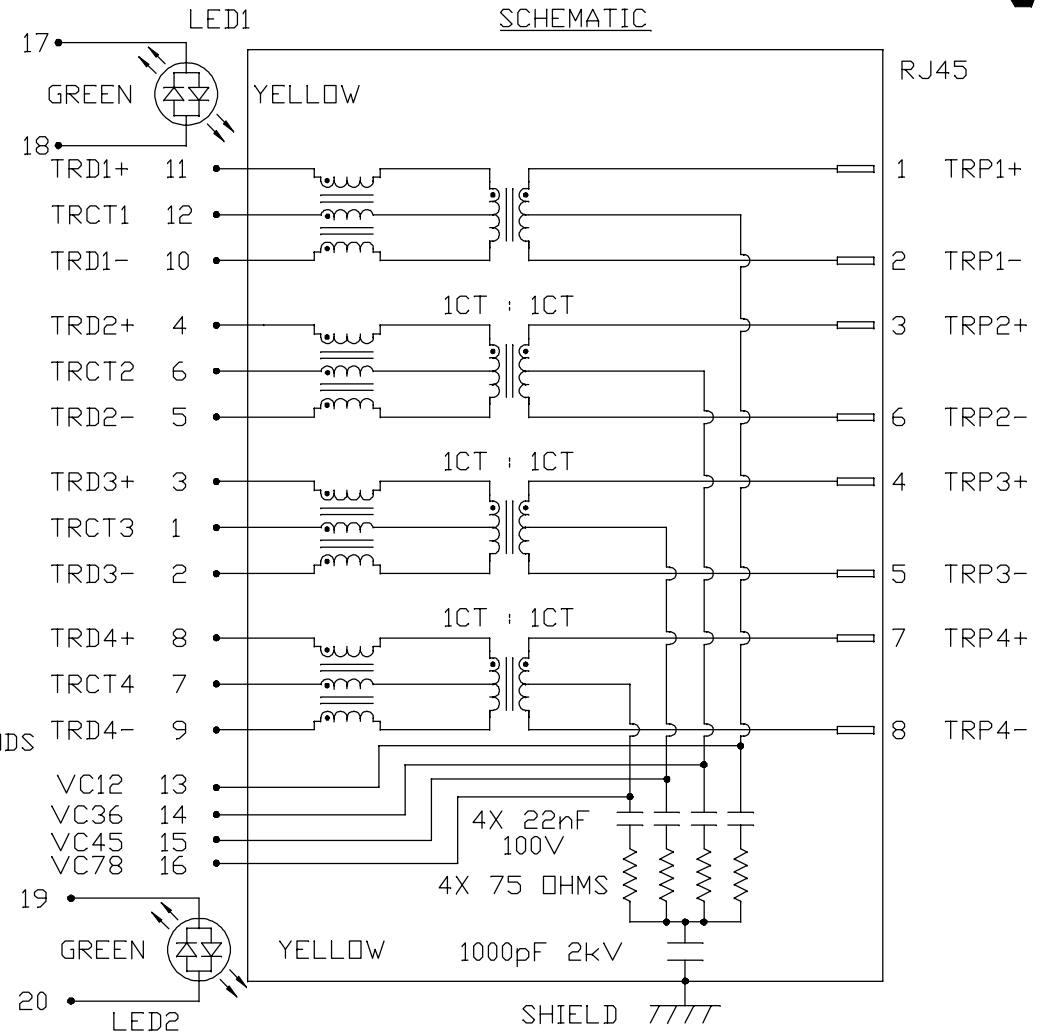
OPERATING TEMPERATURE:

-40°C TO 85°C

LED 1 & LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.
		YELLOW	590nm TYP.

OPERATING TEMPERATURE: -40 TO +85°C



REV. : PB PAGE : 2

ORIGINATED BY
CHOW WANCHUNG
DATE 2017-02-22
DRAWN BY
XIE YIMING
DATE 2017-02-22

TITLE
1X4 gigabit MagJack®
(PoE, Extended Temperature)
0826-1C4T-GH-F
PATENTED

PART NO. / DRAWING NO.
08261C4TGH-F
FILE NAME
08261C4TGH-F_PB.DWG

STANDARD DIM.
TOL. IN INCH
[] METRIC DIM.
AS REF.
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4



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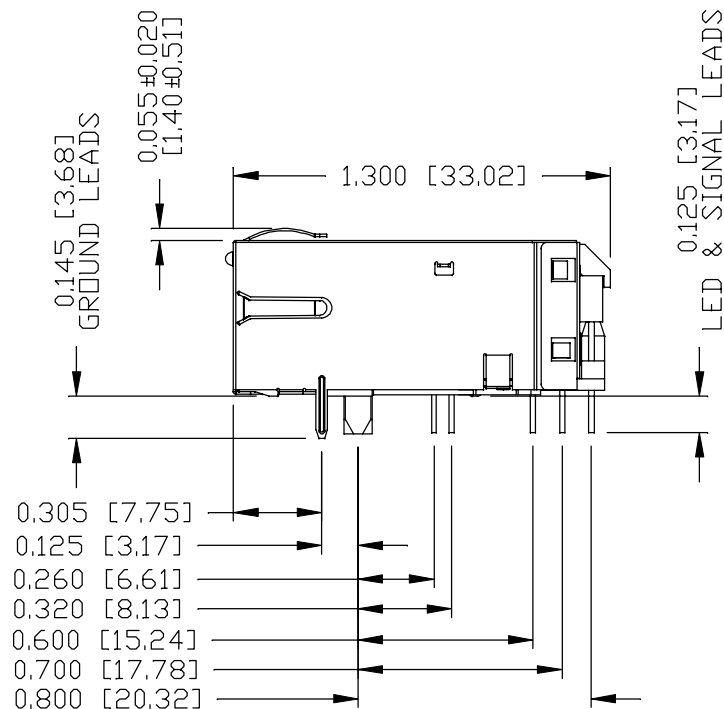
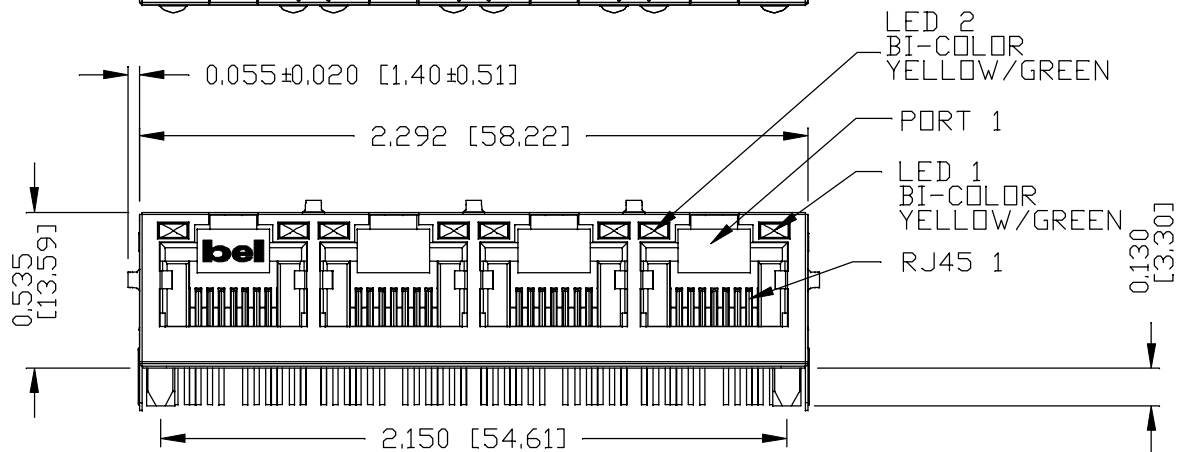
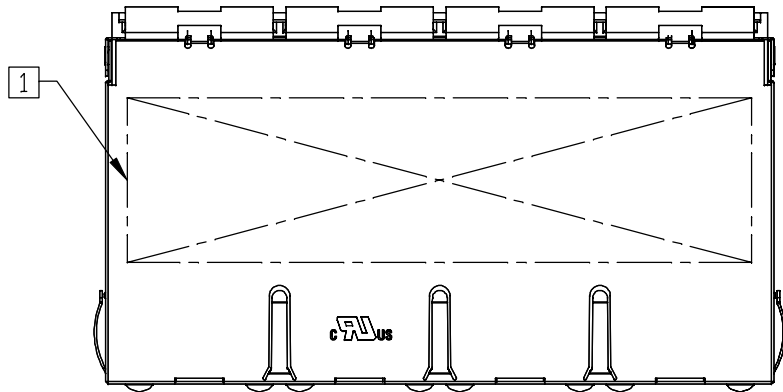
PRELIMINARY



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT,
30 MICRO-INCH MIN NICKEL UNDERPLATE.
- 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)

- MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER
DATE CODE AND PATENTED.
- THE PRODUCT IS RoHS COMPLIANT.



- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 7,123,117.

UL UL RECOGNIZED - FILE #E196366 AND E169987.

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

ORIGINATED BY
ANTON LIAD
DATE 2017-02-22

DRAWN BY
JESSE LI
DATE 2017-02-22

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0826-1C4T-GH-F
PATENTED

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08261C4TGH-F
FILE NAME
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STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX ±0.010	SIZE : A4

REV. : PB PAGE : 3

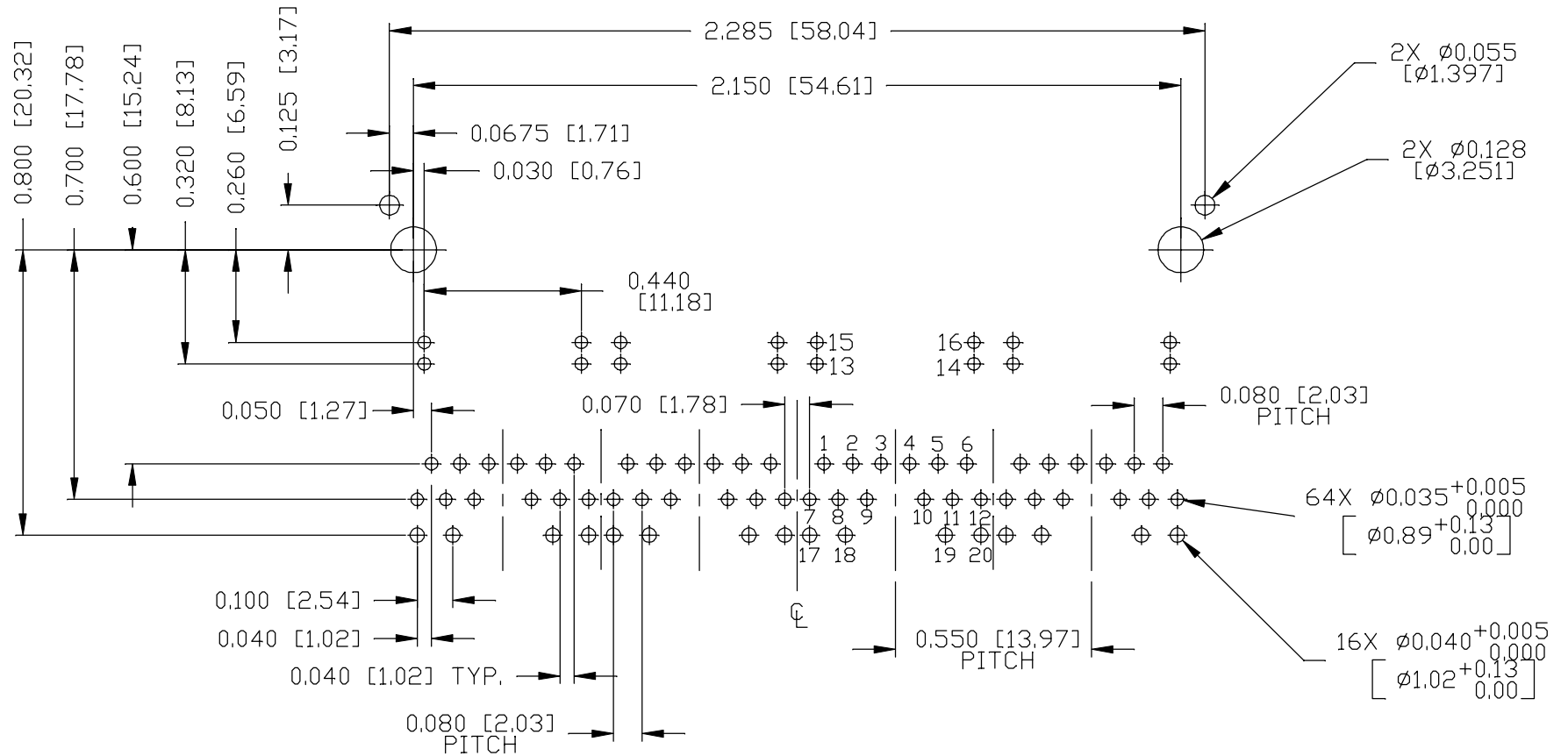
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PRELIMINARY



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



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ANTON LIAO
DATE 2017-02-22
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DATE 2017-02-22

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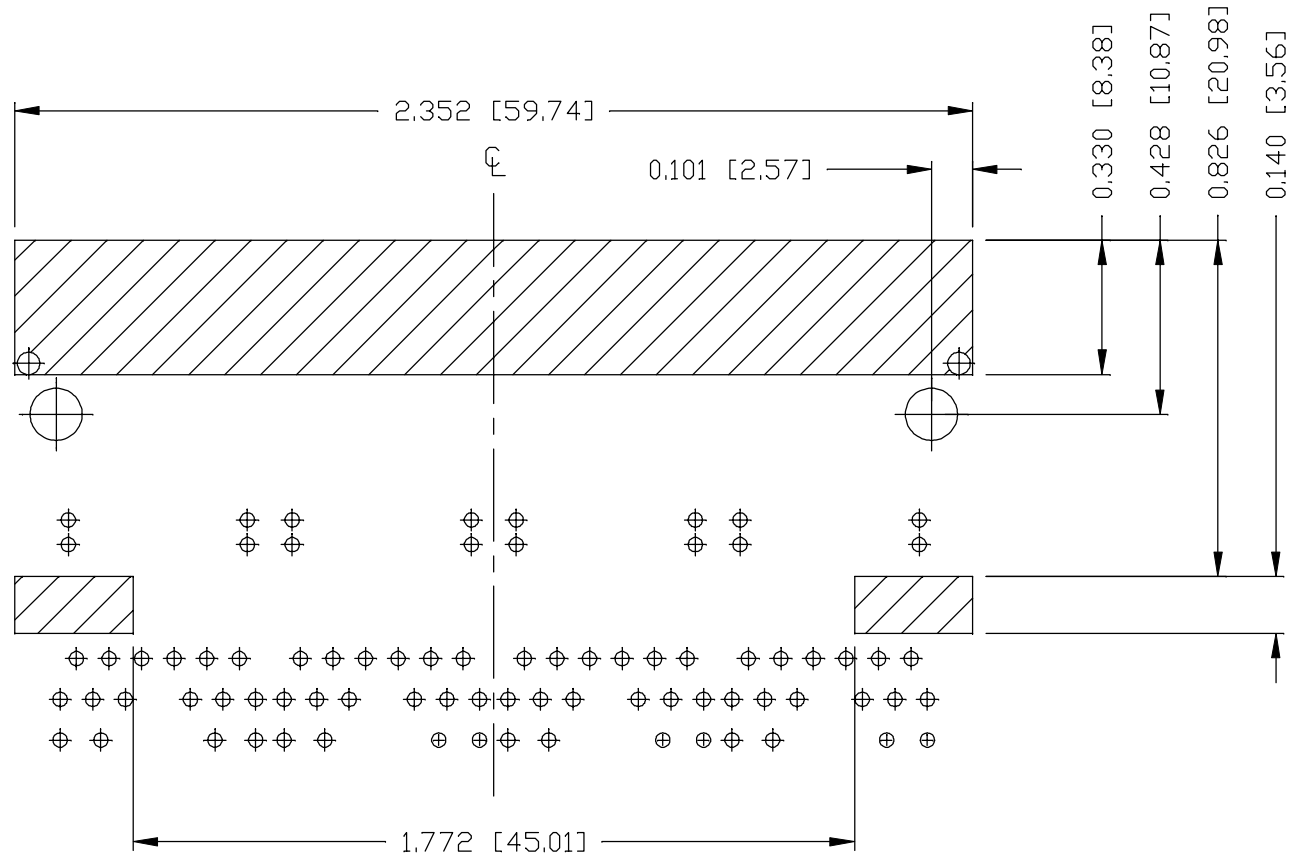
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.X		UNIT : INCH [mm]	
.XX		SCALE : N/A	
.XXX	±0.004		SIZE : A4

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PRELIMINARY



NOTES:

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

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DATE 2017-02-22

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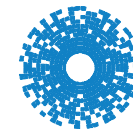
FILE NAME
08261C4TGH-F_PB.DWG

STANDARD DIM.
TOL. IN INCH

.X	
.XX	
.XXX	±0.004

[] METRIC DIM.
AS REF.

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



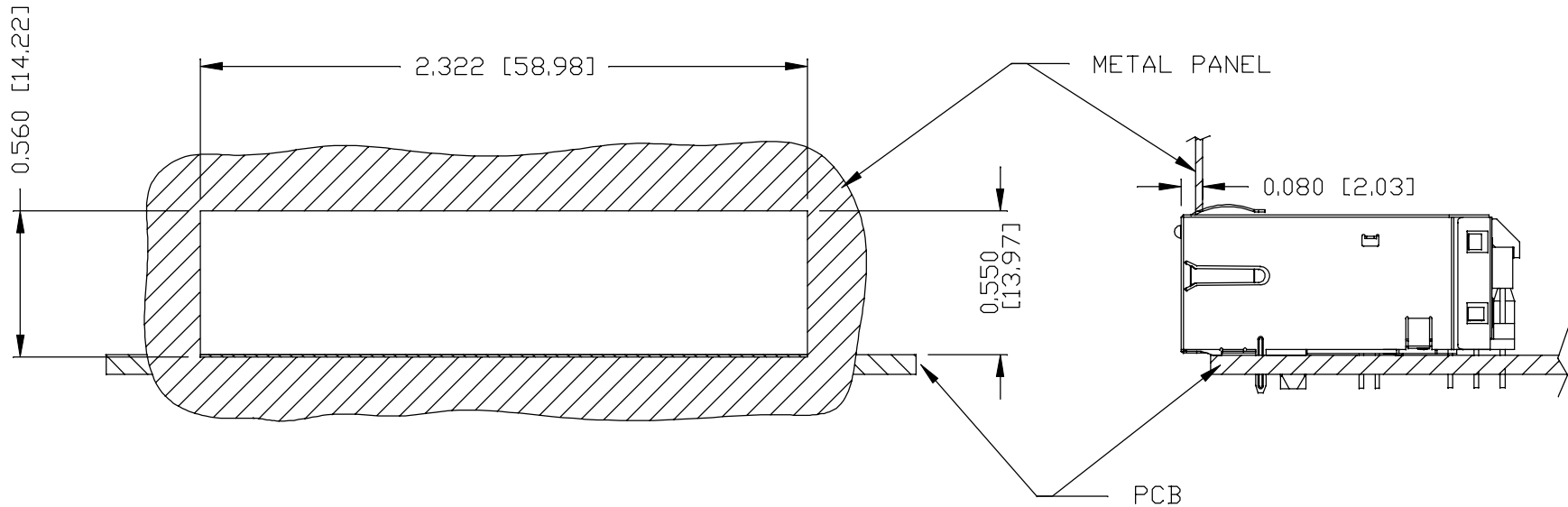
bel MAGNETIC SOLUTIONS
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PRELIMINARY



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)

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ORIGINATED BY ANTON LIAO DATE 2017-02-22	TITLE 1X4 gigabit MagJack® (PoE _p , Extended Temperature)	PART NO. / DRAWING NO. 08261C4TGH-F	STANDARD DIM.		[] METRIC DIM.
			TOL. IN INCH		AS REF.
			.X		UNIT : INCH [mm]
DRAWN BY JESSE LI DATE 2017-02-22	0826-1C4T-GH-F PATENTED	FILE NAME 08261C4TGH-F_PB.DWG	.XX		SCALE : N/A
			.XXX	±0.004	SIZE : A4

