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

PRELIMINARY

RoHS



#### ELECTRICAL CHARACTERISTICS @ 25°C

##### URNS RATIO

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

##### QCL @ 100kHz/100mVRMS

8mA DC BIAS (0°C - 70°C) 180 µH MIN.

19mA DC BIAS (0°C - 70°C) 120 µH MIN.

##### INS. LOSS

1MHz TO 150MHz -0.004(fMHz)-0.4 dB MAX

##### RET. LOSS

1MHz-40MHz -20 dB MIN

40.1MHz-150MHz -20+15LOG(f/40MHz) dB MIN

##### CROSSTALK

1MHz - 40MHz -35 dB MIN

40.1MHz-150MHz -35+15LOG(f/40MHz) dB MIN

##### CM TO CM REJ

1MHz - 150MHz -25 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

1.2A MAX. @ 57 VDC FOR 200 MILLISECONDS

##### LED 1

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

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

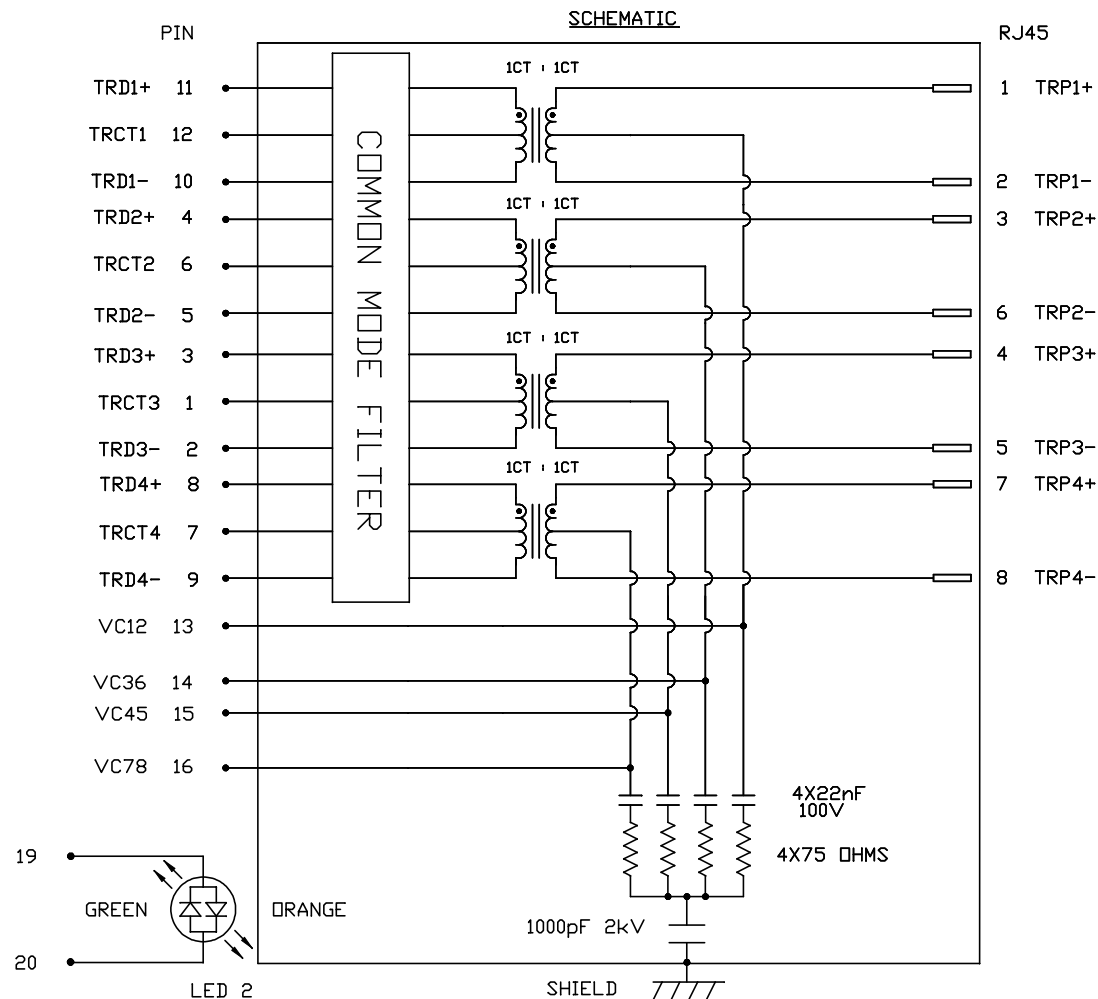
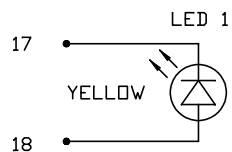
##### LED 2

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

ORANGE 2.0V TYP.

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

ORANGE 605nm TYP.



ORIGINATED BY  
CHOW WANCHUNG  
DATE 2015-12-17

DRAWN BY  
MURPHY LEE  
DATE 2015-12-17

TITLE  
1X4 2.5 Gigabit MagJack®  
4PPoE  
0826-1X4T-HT-F  
PATENTED

PART NO. / DRAWING NO.  
08261X4THT-F

FILE NAME  
08261X4THT-F\_PA.DWG

STANDARD DIM.  
TOL. IN INCH

.X  
.XX  
.XXX

[ ] METRIC DIM.  
AS REF.

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

REV. : PA

PAGE : 2



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#### NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT  
FLAMMABILITY RATING UL 94V-0

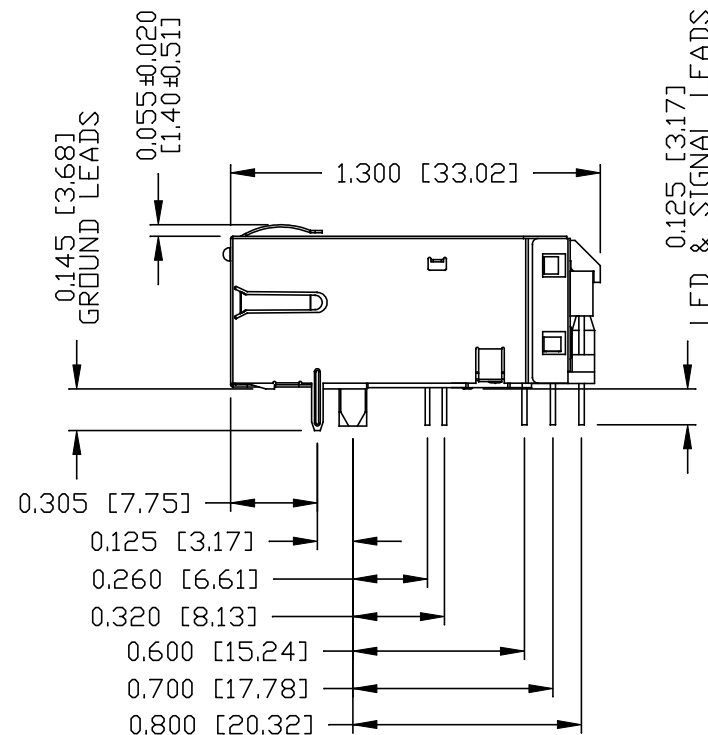
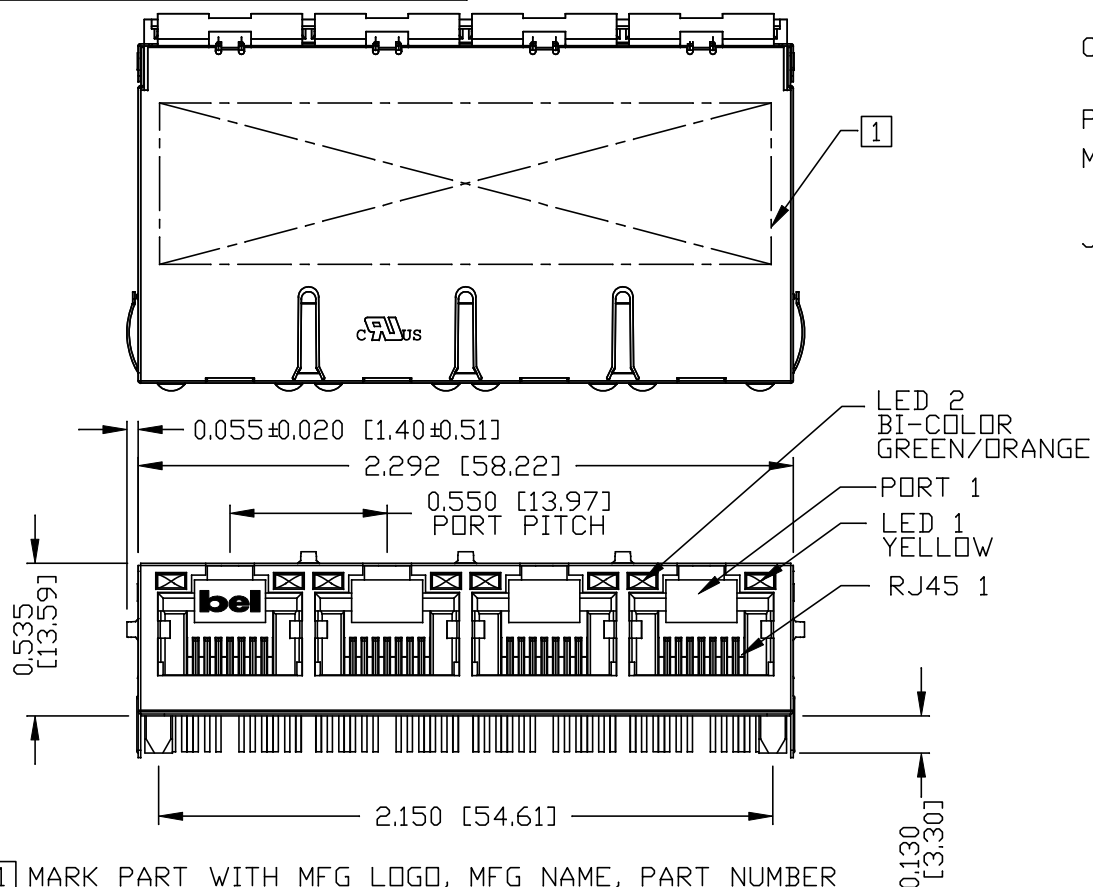
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.  
(ALL GROUND LEADS ARE SOLDER DIPPED)


JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

RoHS



- MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER DATE CODE AND PATENTED.
- THE PRODUCT IS RoHS COMPLIANT.
- THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 7,123,117.

**bel** USUL RECOGNIZED - FILE #E196366 AND E169987.

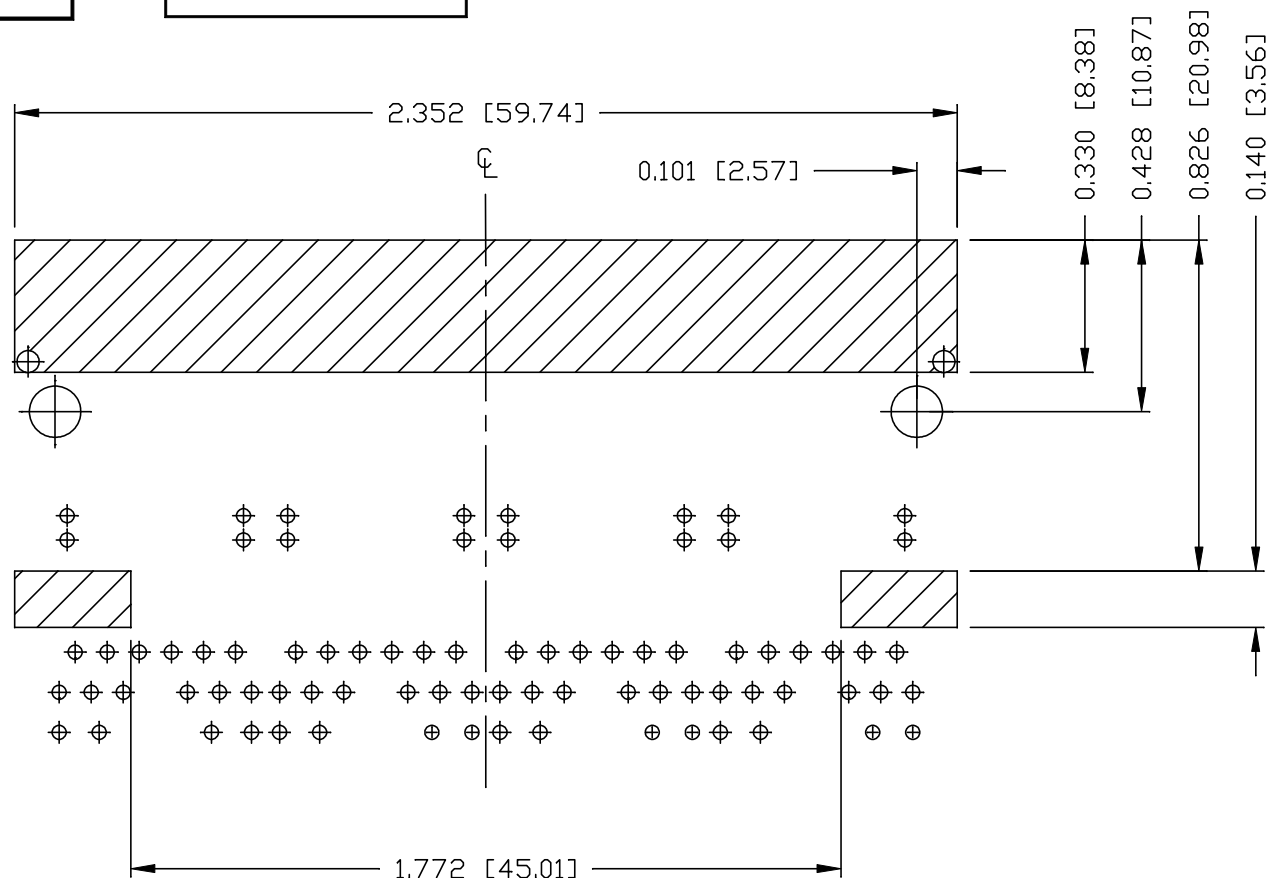
<b>ORIGINATED BY</b> ANTON LIAO <b>DATE</b> 2015-12-17	<b>TITLE</b> 1X4 2.5 Gigabit MagJack® 4PPoE 0826-1X4T-HT-F PATENTED	<b>PART NO. / DRAWING NO.</b> 08261X4THT-F	<b>STANDARD DIM.</b> TOL. IN INCH	<b>[ ] METRIC DIM.</b> AS REF.	<div data-bbox="1657 1324 2150 1468">  <b>bel</b> MAGNETIC SOLUTIONS a bel group         </div>
<b>DRAWN BY</b> SANDY LIN <b>DATE</b> 2015-12-17		<b>FILE NAME</b> 08261X4THT-F_PA.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4	



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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  
ANTON LIAO  
DATE 2015-12-17

DRAWN BY  
SANDY LIN  
DATE 2015-12-17

TITLE  
1X4 2.5 Gb/s MagJack®  
4PPoE  
0826-1X4T-HT-F  
PATENTED

PART NO. / DRAWING NO.  
08261X4THT-F

FILE NAME  
08261X4THT-F\_PA.DWG

STANDARD DIM.  
TOL. IN INCH

.X  
.XX  
.XXX

[ ] METRIC DIM.  
AS REF.

UNIT : INCH [mm]  
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REV. : PA PAGE : 5



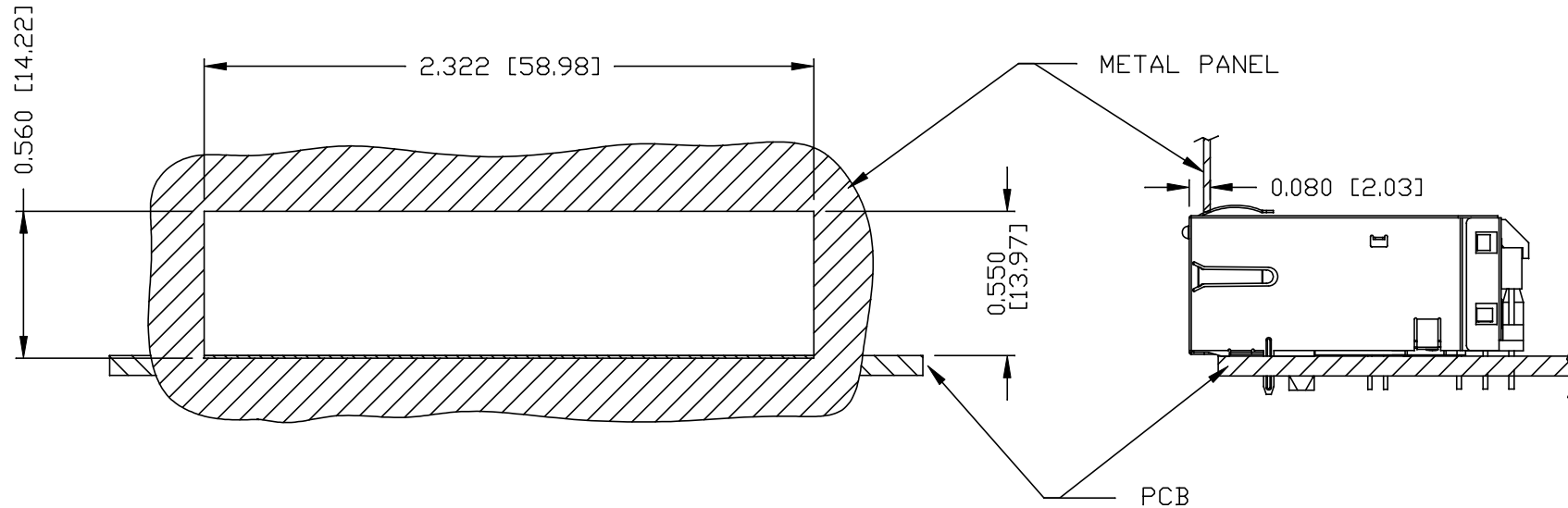
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# SUGGESTED PANEL OPENING



## 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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					.XX		SCALE : N/A		
					.XXX			SIZE : A4	