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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%

DCL @ 100kHz/100mVRMS (4CHANNEL)

8mA DC BIAS	350μH MIN.
23mA DC BIAS	120μH MIN.

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
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage):

2250 VDC

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS

BALANCED DC LINE CURRENT 1A MAX CONTINUOUS

1.2 A MAX, FOR 200 MILLISECONDS

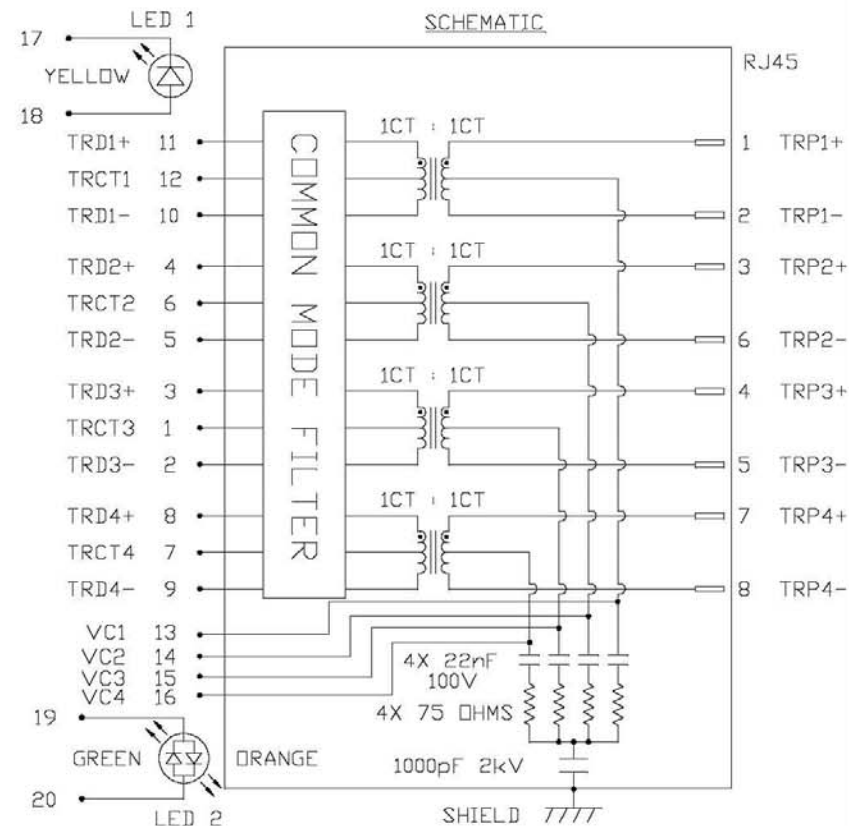
LED 1

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.

OPERATING TEMPERATURE: -40°C TO 100°C



REV. :

PA

PAGE :

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ORIGINATED BY
CHOW WANCHUNG
DATE 2018-11-19

DRAWN BY
XIE YIMING
DATE 2018-11-19

TITLE
1X2 gigabit MagJack®
(4PPoE, 100W, Extended Temp.)
0826-1X4T-HS-F
PATENTED

PART NO. / DRAWING NO.
08261X4THS-F
FILE NAME
08261X4THS-F_PA.DWG

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



DC002(2)120214

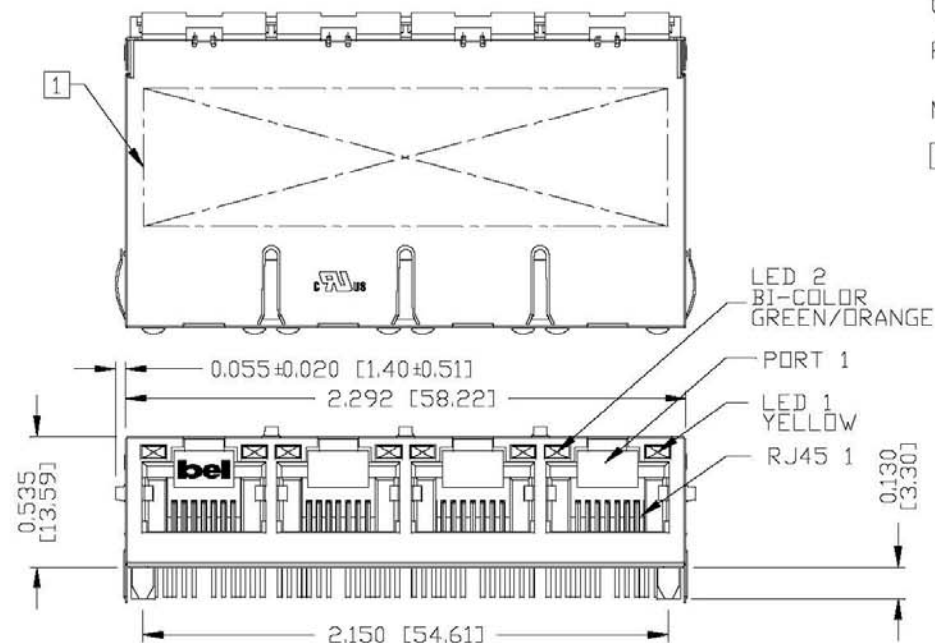
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REMARK:
CURRENTLY NOT BOTTOM PLATE TOOLING.



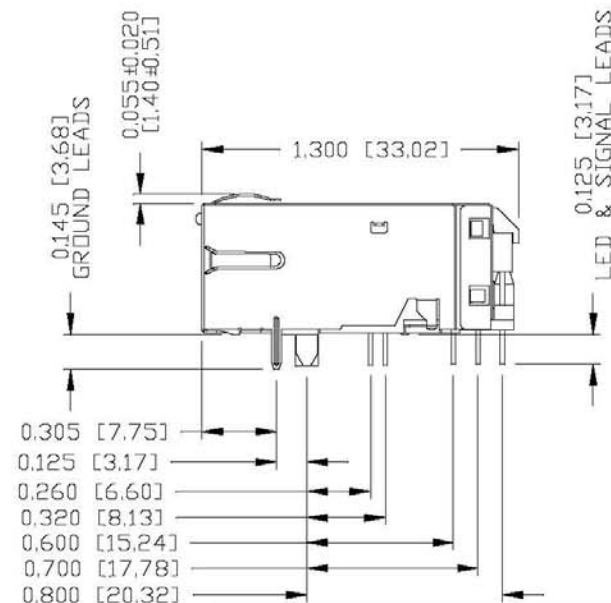
2. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS. PART 68 SUBPART F.
4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 7,123,117.
5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

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)

[1] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

cUL US UL RECOGNIZED - FILE #E196366 AND E169987.



ORIGINATED BY LI QUANKUN DATE 2018-11-19	TITLE 1X4 glgabit MagJack® (4PPoE, 100W, Extended Temp.)	PART NO. / DRAWING NO. 08261X4THS-F	STANDARD DIM. TOL. IN INCH [] METRIC DIM. AS REF.	REV. : PA PAGE : 3
DRAWN BY LV YONGDONG DATE 2018-11-19	0826-1X4T-HS-F PATENTED	FILE NAME 08261X4THS-F_PA.DWG	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

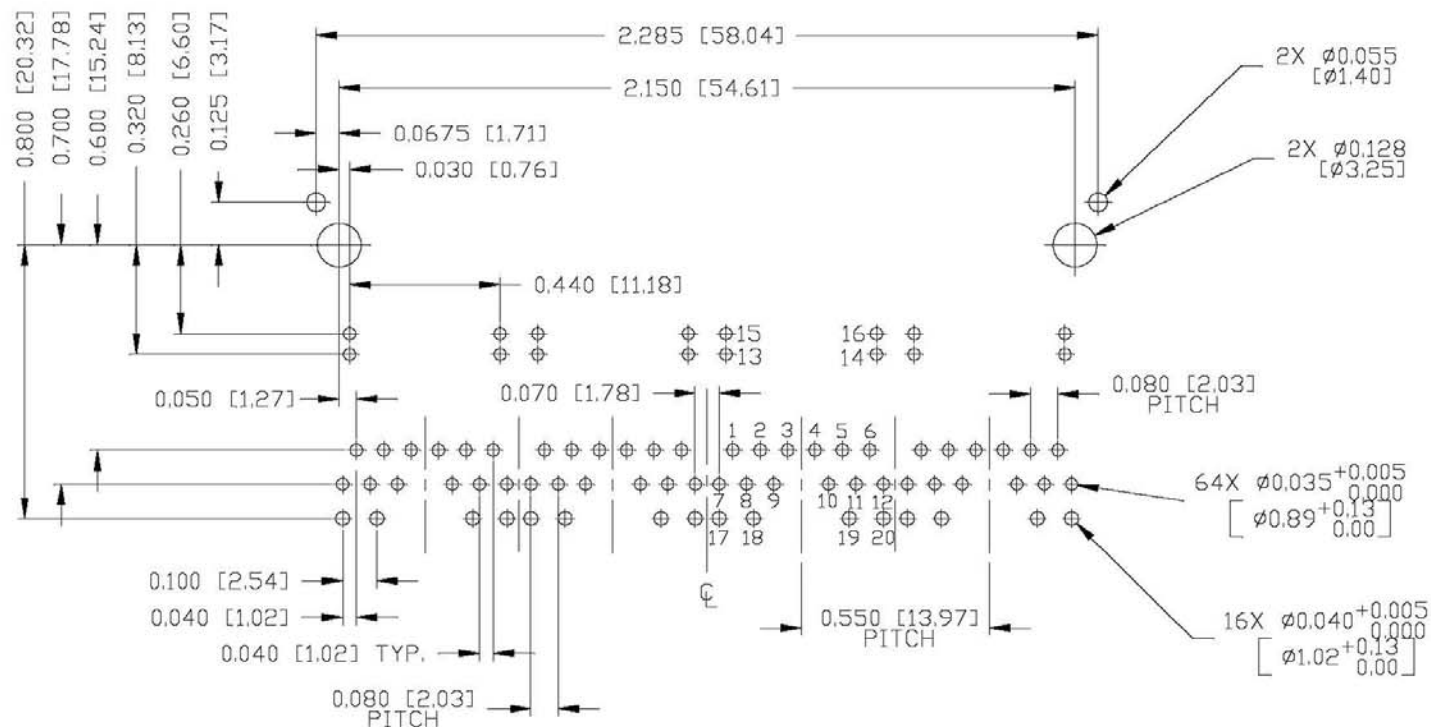
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RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW

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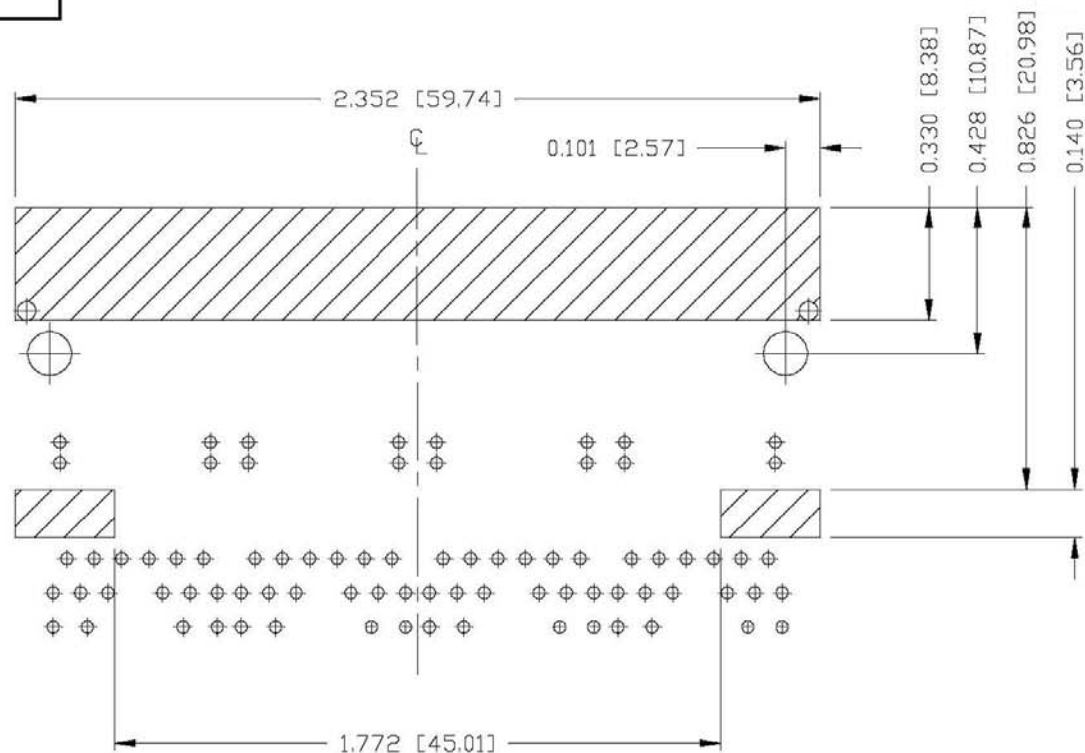
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.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	SIZE : A4

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bel MAGNETIC SOLUTIONS
a bel group

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NOTES:

THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
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.XXX	±0.004	SIZE : A4

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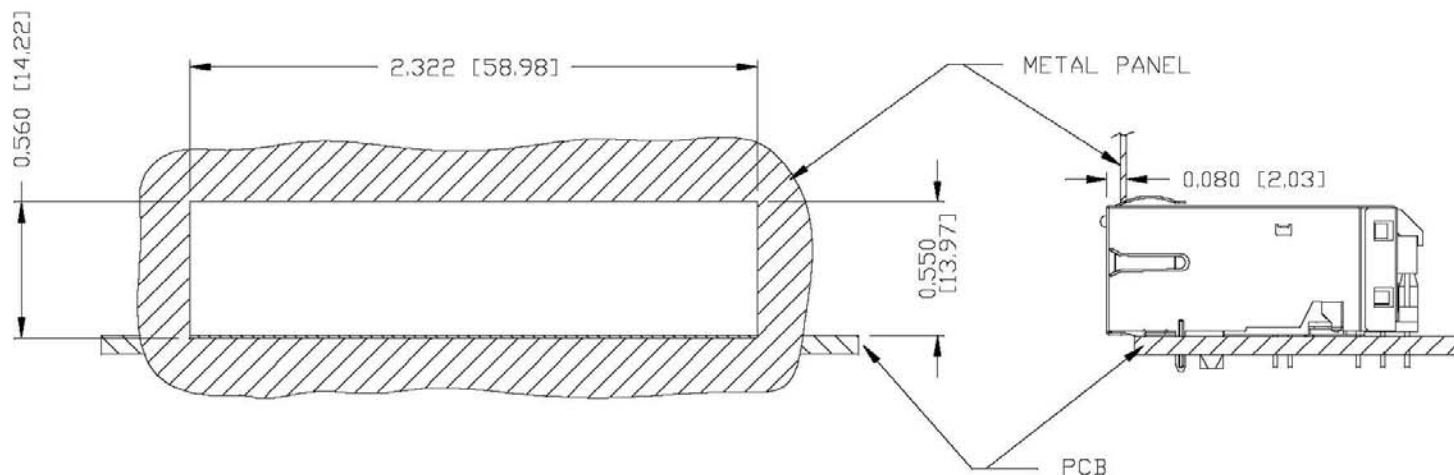

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SUGGESTED PANEL OPENING



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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