

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.

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

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
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RET. LOSS

1MHZ-40MHZ	-20 dB MIN
40.1MHZ-150MHZ	-20+15LOG(f/40MHZ) dB MIN

CROSS TALK

1MHZ - 40MHZ	-35 dB MIN
40.1MHZ-150MHZ	-35+15LOG(f/40MHZ) dB MIN

CM TO CM REJ

1MHZ - 150MHZ	-25 dB MIN
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HIPOT (Isolation Voltage): 2250 VDC

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

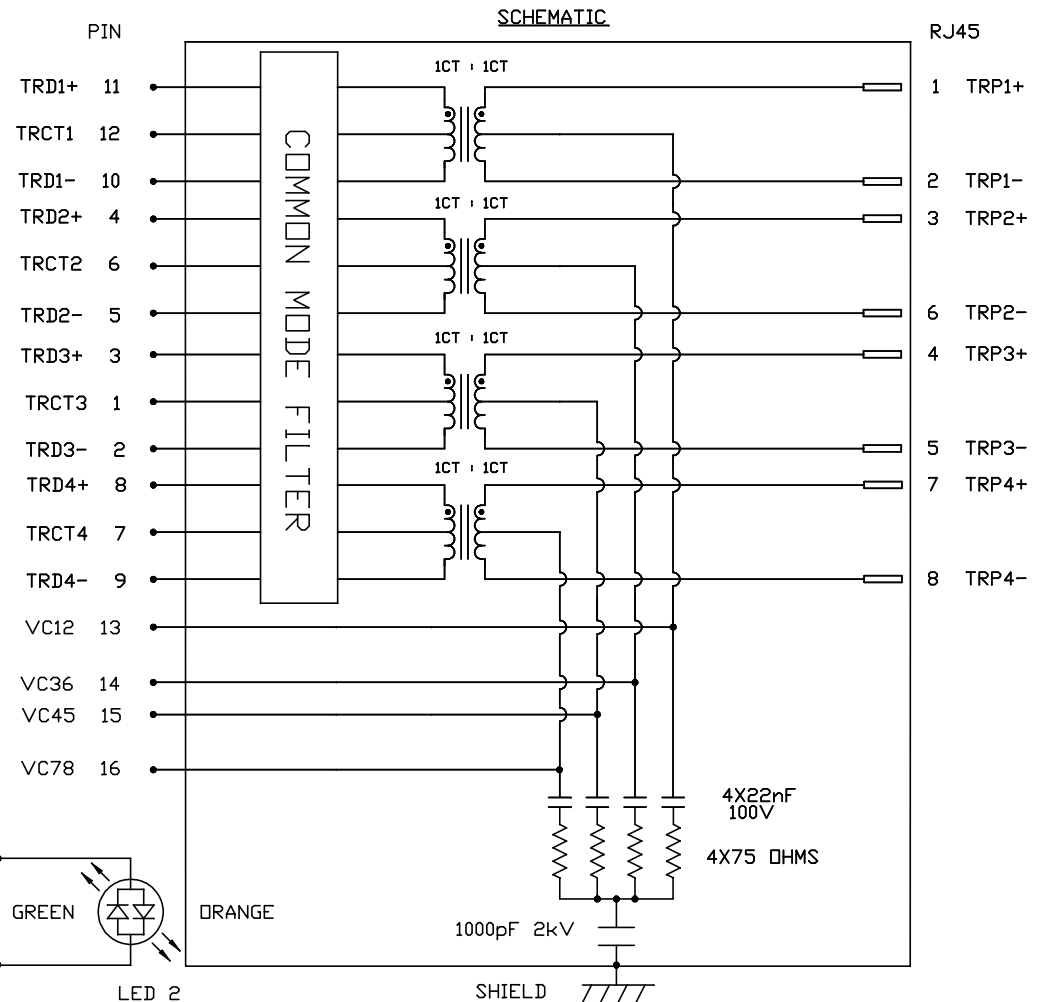
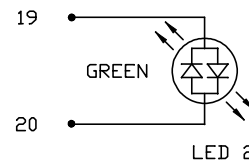
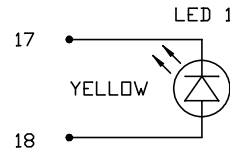
BALANCED DC LINE CURRENT 720 mA MAX. @ 57 VDC CONTINUOUS
1.2A MAX. @ 57 VDC FOR 200 MILLISECONDS

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 2015-12-16

DRAWN BY
MURPHY LEE
DATE 2015-12-16

TITLE
2.5 Gigabit MagJack®
4PPoE
0826-1X1T-HT-F
PATENTED

PART NO. / DRAWING NO.
08261X1THT-F

FILE NAME
08261X1THT-F_PA.DWG

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

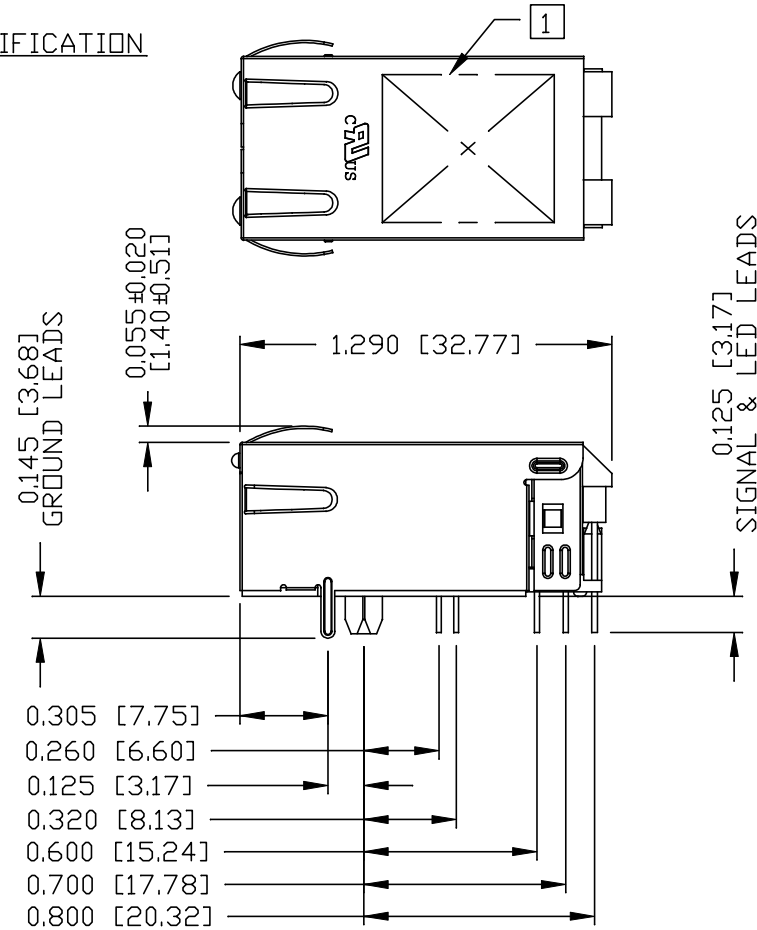
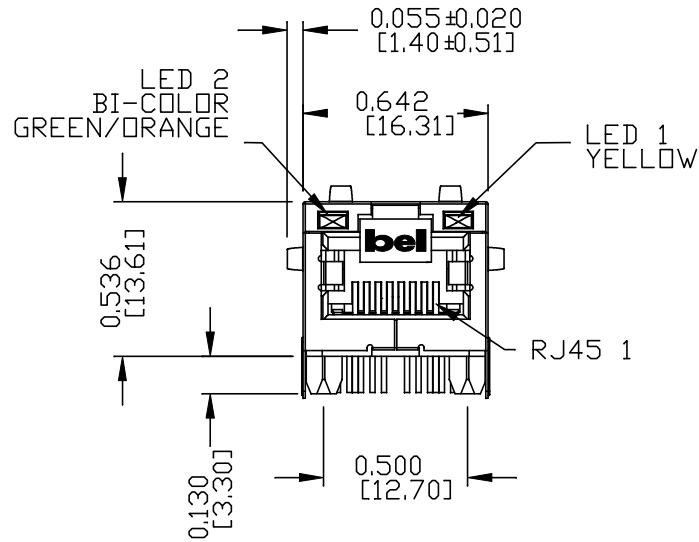
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PRELIMINARY

MECHANICAL SPECIFICATION



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.016 AND 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.

- 1. UL RECOGNIZED - FILE #E196366 AND E169987.
- 2. THE PRODUCT IS RoHS COMPLIANT.
- 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- 4. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 7,123,117.

ORIGINATED BY
ANTON LIAO
DATE 2015-12-16
DRAWN BY
SANDY LIN
DATE 2015-12-16

TITLE
2.5 gigabit MagJack®
4PPoE
0826-1X1T-HT-F
PATENTED

PART NO. / DRAWING NO.
08261X1THT-F
FILE NAME
08261X1THT-F_PA.DWG

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

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a bel group

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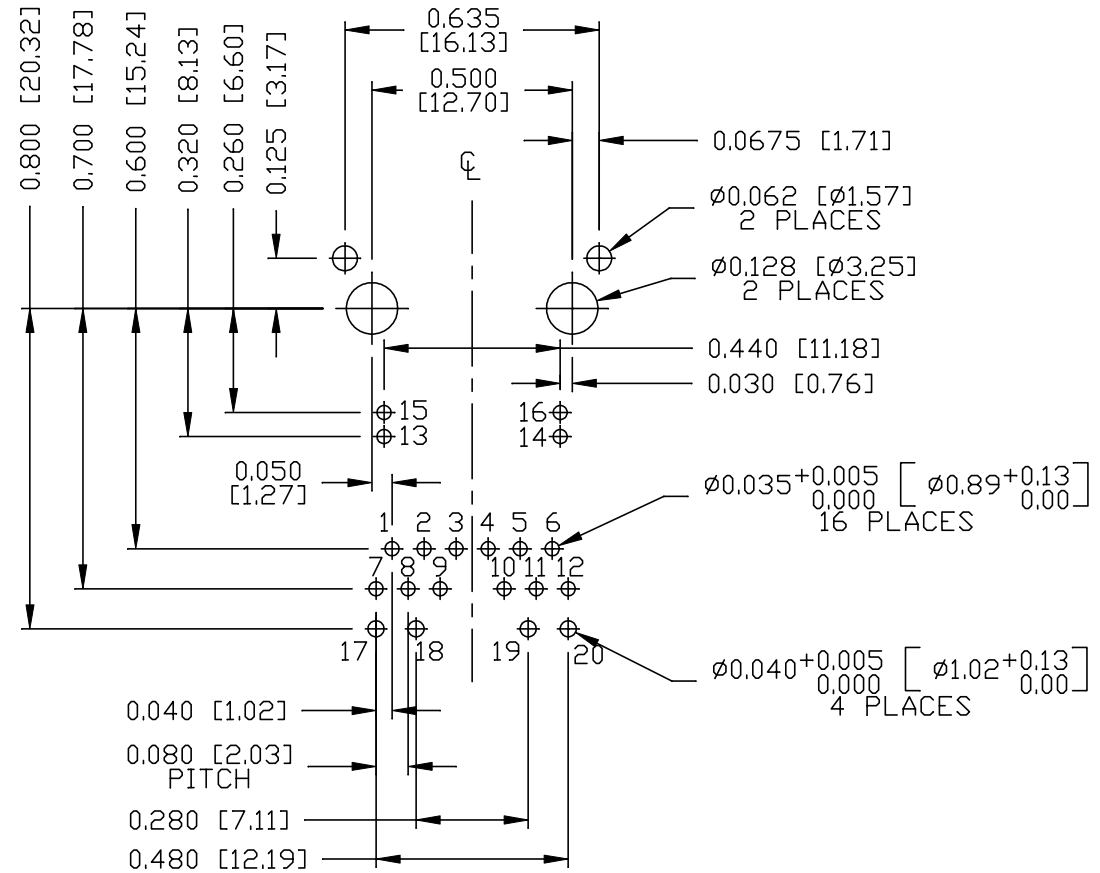
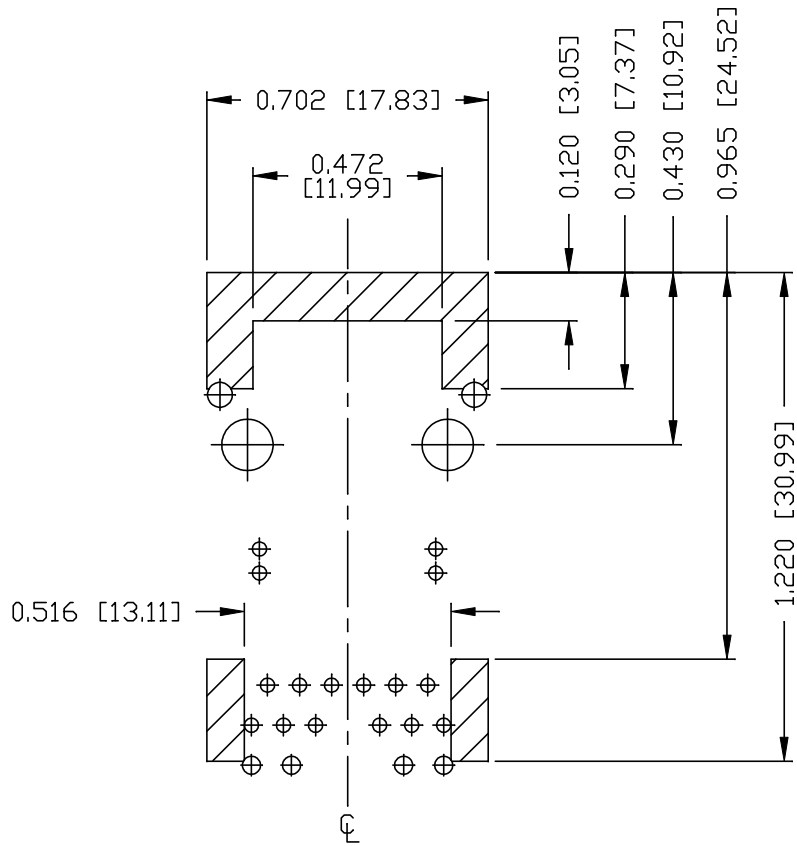
PRELIMINARY

RoHS



RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



NOTES

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

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ORIGINATED BY ANTON LIAO DATE 2015-12-16
DRAWN BY SANDY LIN DATE 2015-12-16

TITLE 2.5 gigabit MagJack® 4PPoE 0826-1X1T-HT-F PATENTED
--

PART NO. / DRAWING NO. 08261X1THT-F
FILE NAME 08261X1THT-F_PA.DWG

STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	±0.004
	SIZE : A4



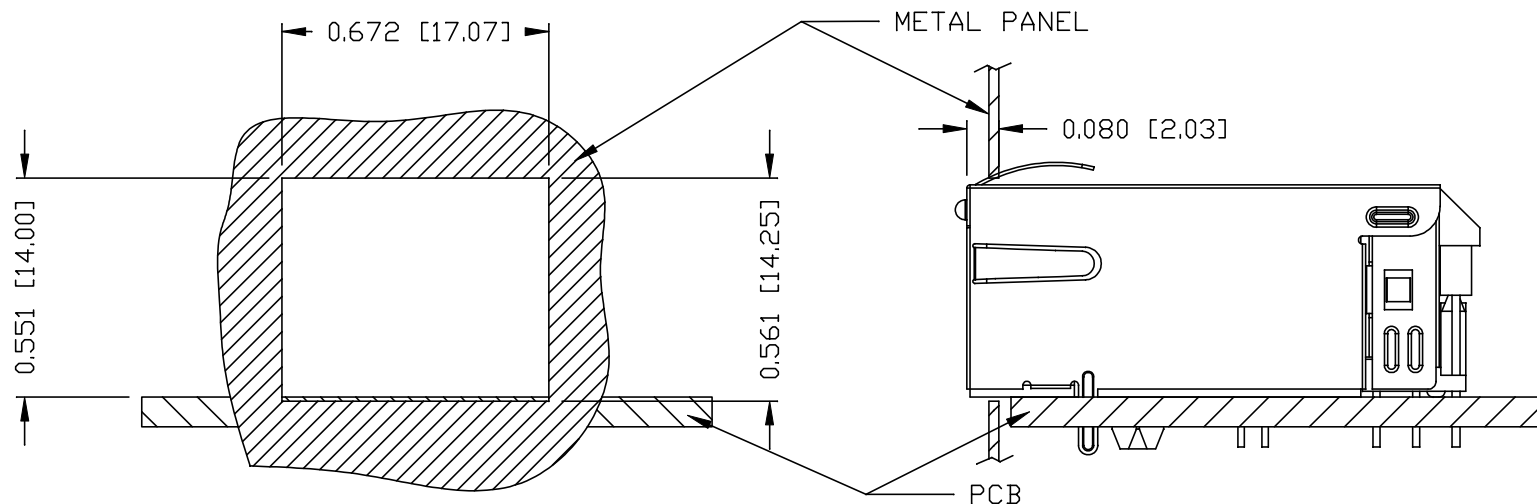
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PRELIMINARY

RoHS



SUGGESTED PANEL OPENING



NOTE:

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-F6 (TOP)
0200-9999-F7 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
10 TRAYS (400 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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DATE 2015-12-16
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DATE 2015-12-16

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4PPoE
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PART NO. / DRAWING NO.
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