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LED1 POLARITY			LED2 POLARITY		
PIN 15	PIN 16	COLOR	PIN 17	PIN 18	COLOR
−	+	YELLOW	+	−	ORANGE
			−	+	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO
- TP1 1CT : 1CT ±2%
- TP2 1CT : 1CT ±2%
- TP3 1CT : 1CT ±2%
- TP4 1CT : 1CT ±2%

OCL @ 100kHz/100mVRMS
- 8mA DC BIAS 350μH MIN.

INS. LOSS
- 0.1MHz TO 1MHz -1.1 dB MAX
- 1MHz TO 65MHz -0.5 dB MAX
- 65MHz TO 100MHz -0.8 dB MAX
- 100MHz TO 125MHz -1.2 dB MAX

RET. LOSS (MIN)
- 0.5MHz-40MHz -18 dB
- 40MHz-100MHz -12+20LOG(f/80MHz) dB

CROSS TALK
- 1MHz - 60MHz -35dB MIN
- 60MHz - 100MHz -25dB MIN

CM TO CM REJ
- 100kHz - 100MHz -30 dB MIN

CM TO DM REJ
- 100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC
- 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

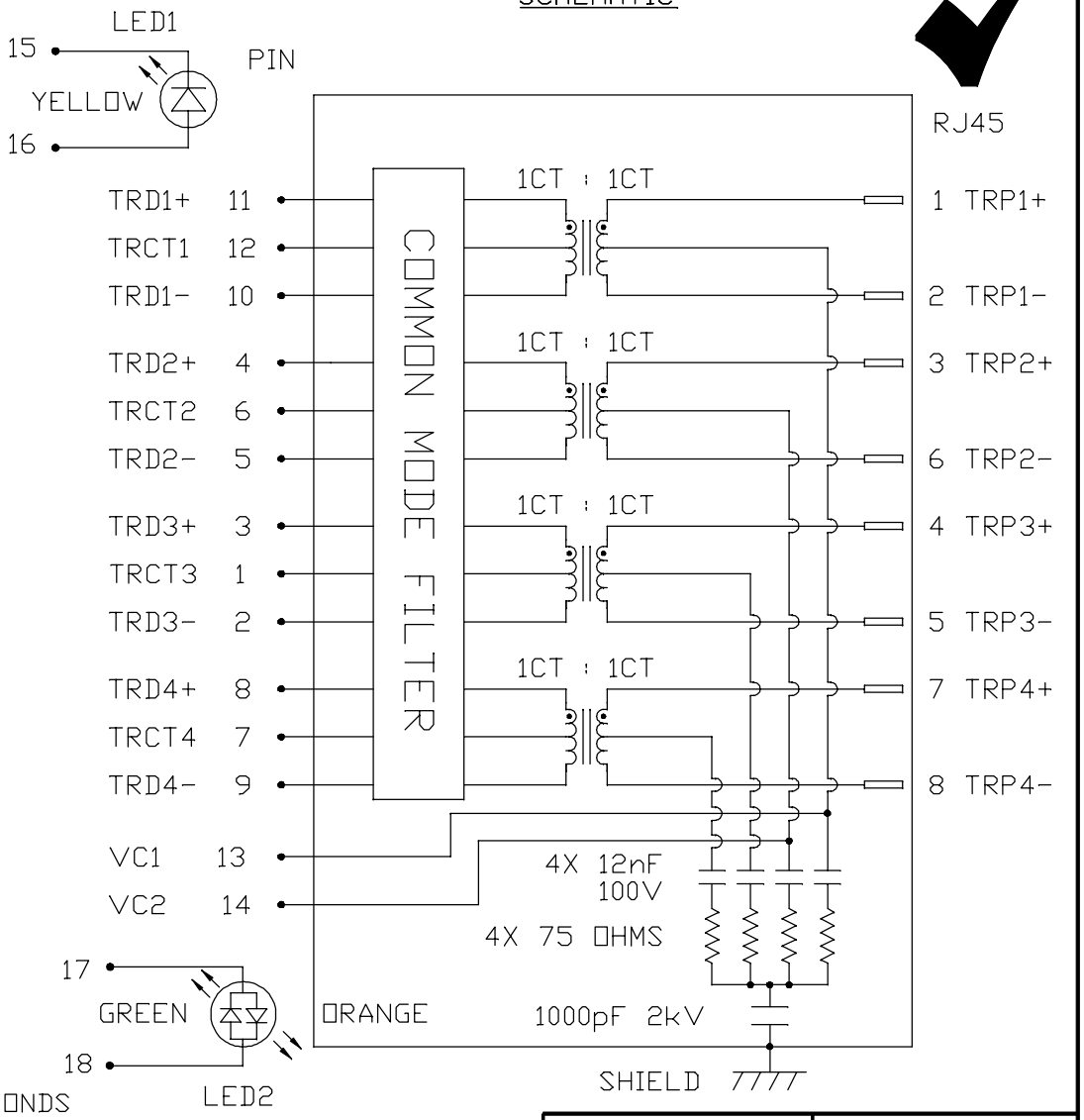
LED 1
- VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.
- λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

LED 2
- VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
  ORANGE 2.0V TYP.
- λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.
  ORANGE 610nm TYP.

BALANCED DC LINE CURRENT 350 mA MAX. @ 57 VDC CONTINUOUS
500 mA MAX. @ 57 VDC FOR 200 MILLISECONDS

OPERATING TEMPERATURE: 0°C TO +70°C.

SCHEMATIC



REV. : E | PAGE : 2

ORIGINATED BY: CHOW WANCHUNG DATE: 2016-08-11	TITLE: gigabit MagJack® VOIP 0826-1X1T-80-F PATENTED	PART NO. / DRAWING NO.: 08261X1T80-F FILE NAME: 08261X1T80-F_E.DWG	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX [ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4
DRAWN BY: SKY YOU DATE: 2016-08-11			

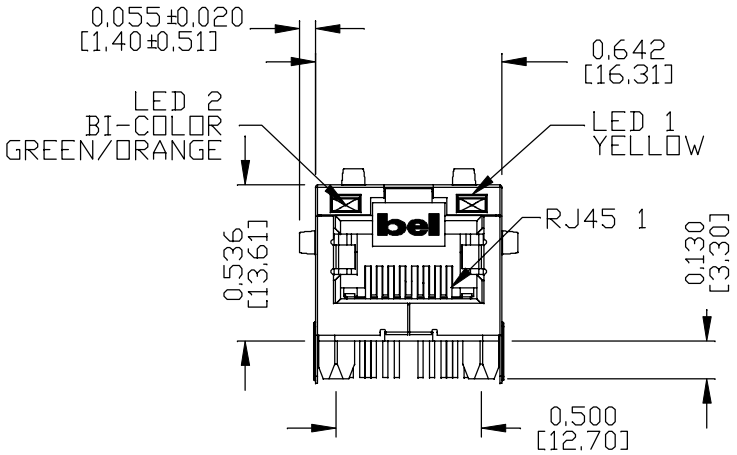
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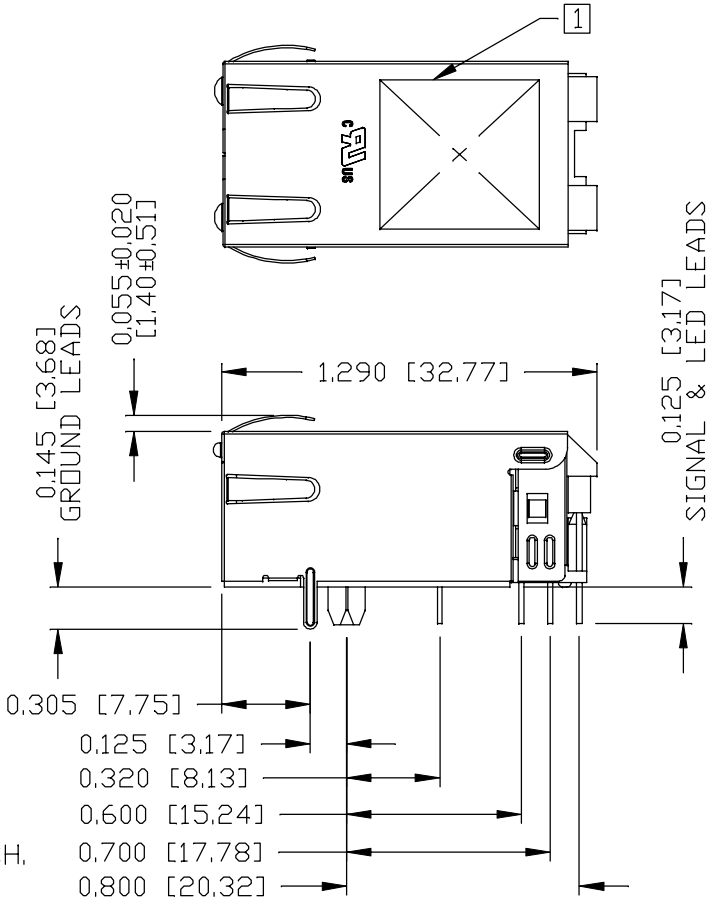
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Please read our datasheet & drawing disclaimer here.

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MECHANICAL SPECIFICATION

RoHS





NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
30 MICRO-INCH MIN NICKEL UNDERPLATE.

OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.016 INCH AND 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)

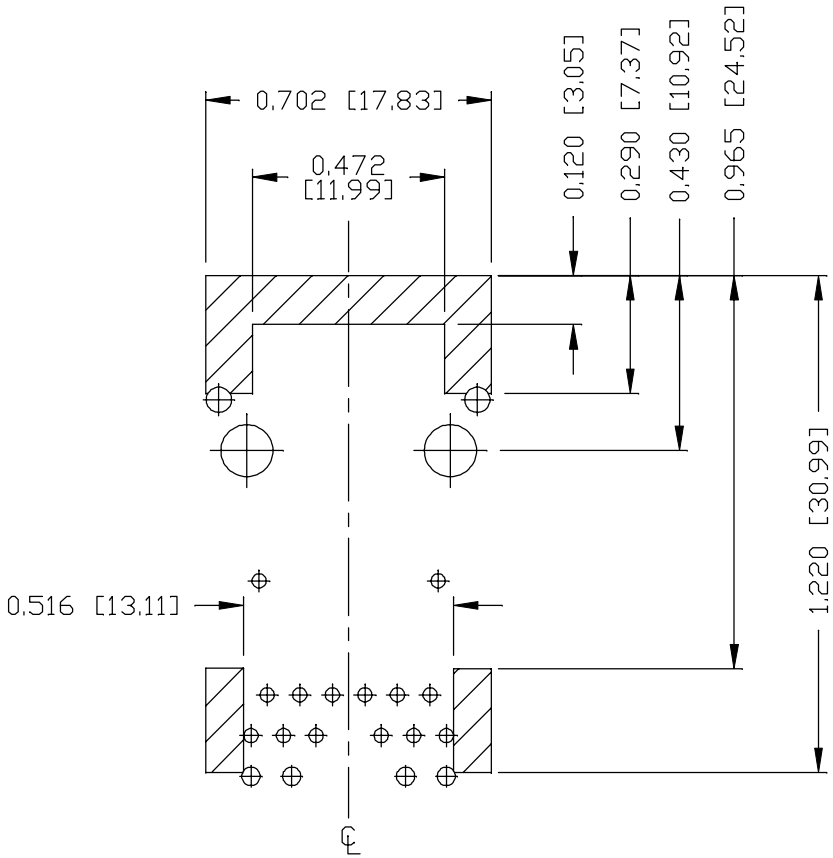
1. MARK PART WITH MFG LOGO, MFG NAME,PART NUMBER, DATE CODE AND PATENTED.
c UL us UL RECOGNIZED - FILE #E196366 AND E169987.
2. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
4. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 7,123,117.
5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

ORIGINATED BY JESSE LI DATE 2016-08-11	TITLE gigabit MagJack® VOIP 0826-1X1T-80-F PATENTED	PART NO. / DRAWING NO. 08261X1T80-F	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.	REV. : E / PAGE : 3
DRAWN BY JOLLY LUO DATE 2016-08-11		FILE NAME 08261X1T80-F_E.DWG	.X		UNIT : INCH [mm]	bel MAGNETIC SOLUTIONS a bel group
			.XX		SCALE : N/A	
			.XXX	±0.010	SIZE : A4	

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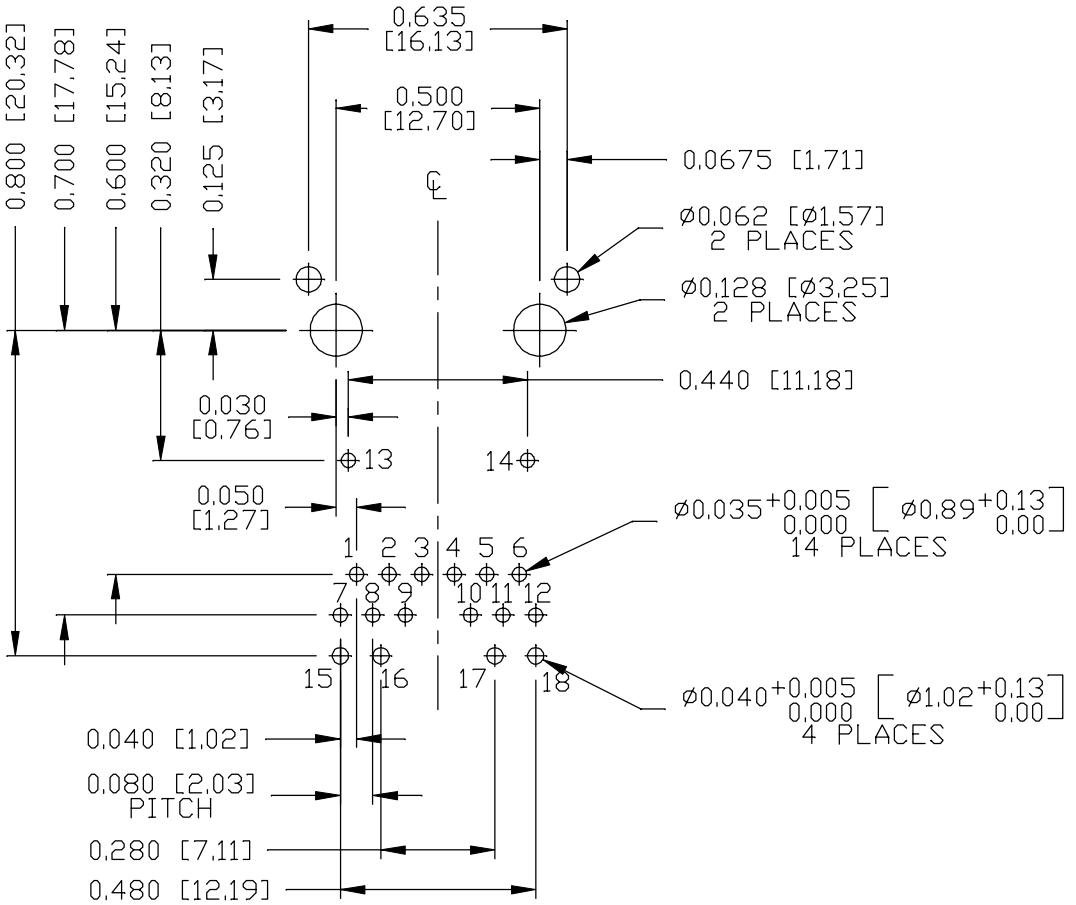
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RECOMMENDED PCB FOOTPRINT

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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DRAWN BY JOLLY LUO DATE 2016-08-11		FILE NAME 08261X1T80-F_E.DWG	.X / .XX / .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	PAGE : 4

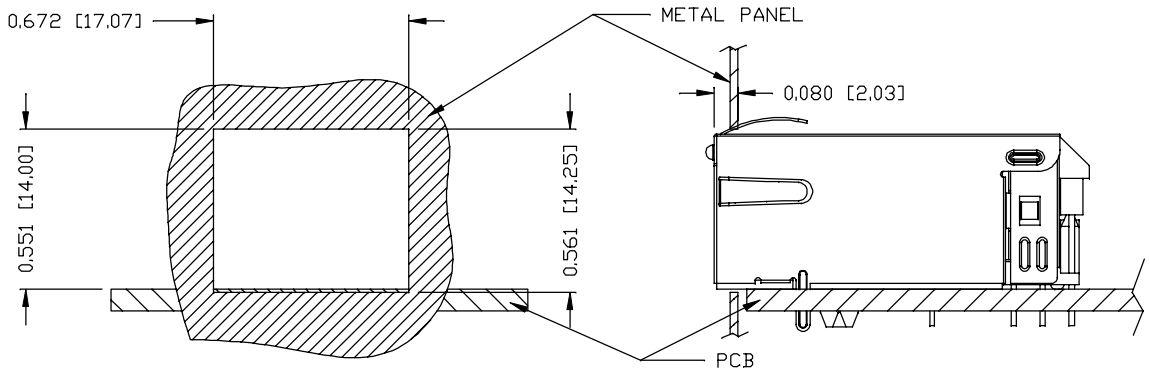
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SUGGESTED PANEL OPENING



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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DRAWN BY JOLLY LUO DATE 2016-08-11		FILE NAME 08261X1T80-F_E.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	bel MAGNETIC SOLUTIONS a bel group

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