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LED1 POLARITY			LED2 POLARITY		
PIN 12	PIN 13	COLOR	PIN 14	PIN 15	COLOR
−	+	YELLOW	+	−	ORANGE
			−	+	GREEN

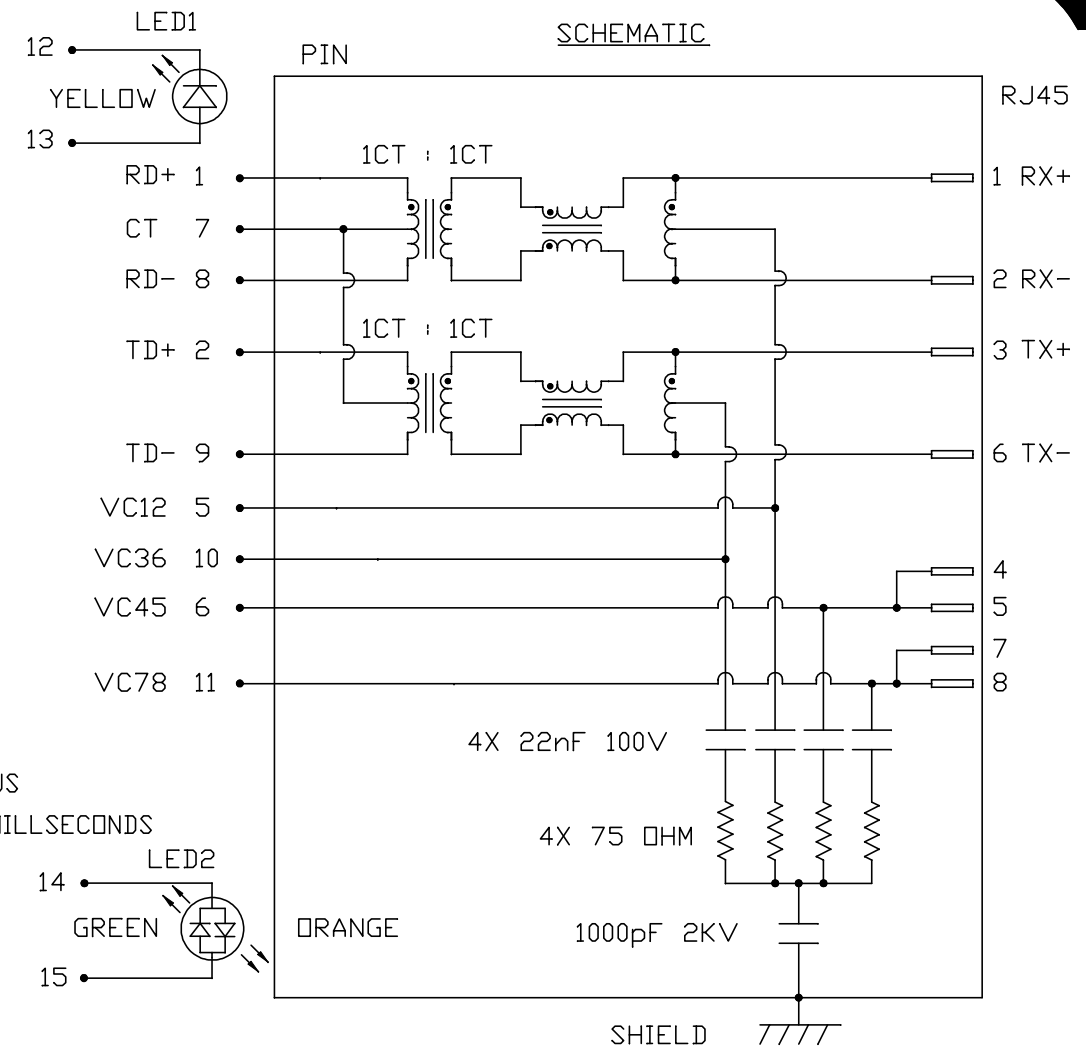
ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	1CT : 1CT ±2%
OCL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.
INSERTION LOSS	
100KHz TO 100MHz	-1.5 dB MAX.
RETURN LOSS (MIN.)	
2MHz-30MHz	-16 dB MIN.
60MHz-80MHz	-10 dB MIN.
CROSS TALK	
100KHz - 100MHz	-30 dB MIN.
HIPOT (ISOLATION VOLTAGE)	2250 VDC
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.	
BALANCED DC LINE CURRENT	350mA MAX. @ 57 VDC CONTINUOUS
	500mA MAX. @ 57 VDC FOR 200 MILLSECONDS

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.

OPERATING TEMPERATURE: 0°C TO +70°C.

SCHEMATIC



REV. : F | PAGE : 2

ORIGINATED BY: CHOW WANCHUNG DATE: 2016-08-09	TITLE: 10/100 MagJack® (PoE, Tab Up) 0826-1X1T-57-F	PART NO. / DRAWING NO.: 08261X1T57-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
DRAWN BY: SKY YOU DATE: 2016-08-09		FILE NAME: 08261X1T57-F_F.DWG	.X / .XX / .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4

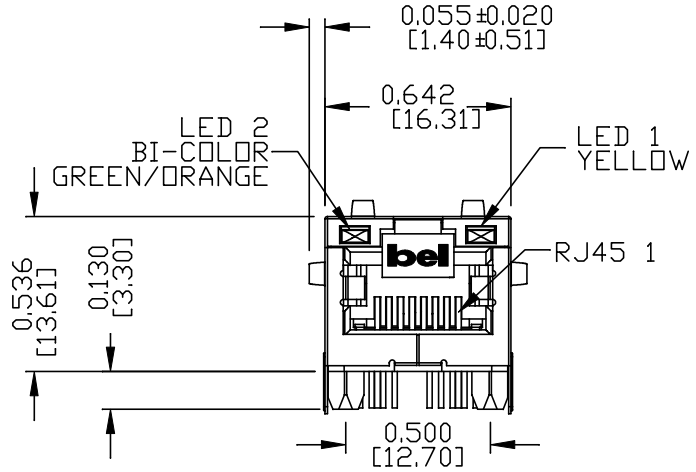
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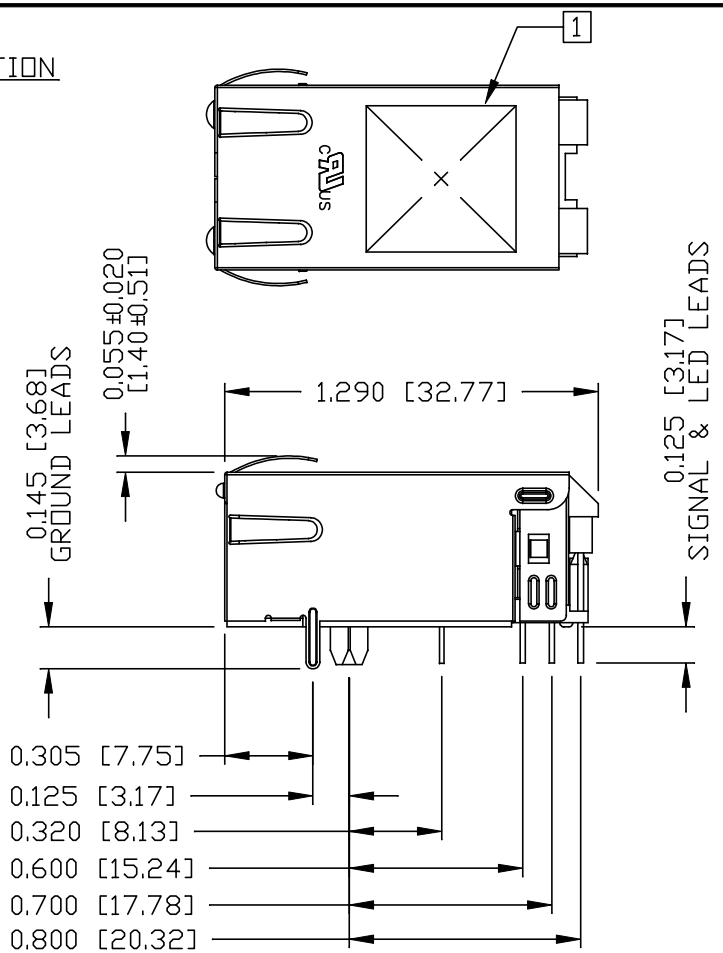
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MECHANICAL SPECIFICATION

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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 0.018 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, AND DATE CODE.
2. cULus RECOGNIZED - FILE #E196366 AND E169987.
3. THE PRODUCT IS RoHS COMPLIANT.
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

REV. : F				PAGE : 3	
ORIGINATED BY: ANTON LIAO DATE: 2016-08-09	TITLE: 10/100 MagJack® (PoE, Tab Up) 0826-1X1T-57-F	PART NO. / DRAWING NO.: 08261X1T57-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY: JESSE LI DATE: 2016-08-09		FILE NAME: 08261X1T57-F_F.DWG	.X / .XX / .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

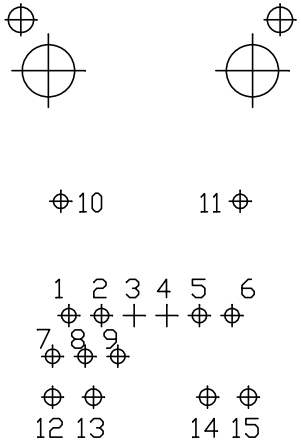
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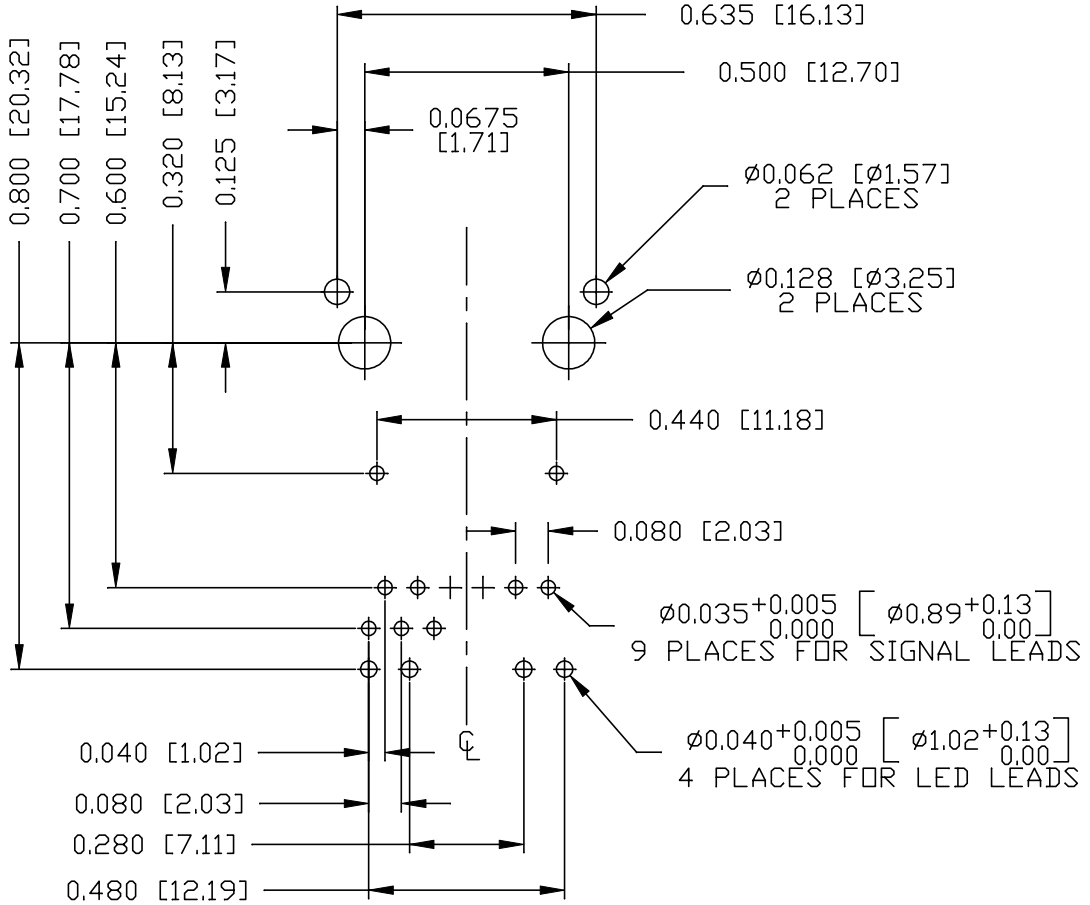
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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW





REV. : F	PAGE : 4

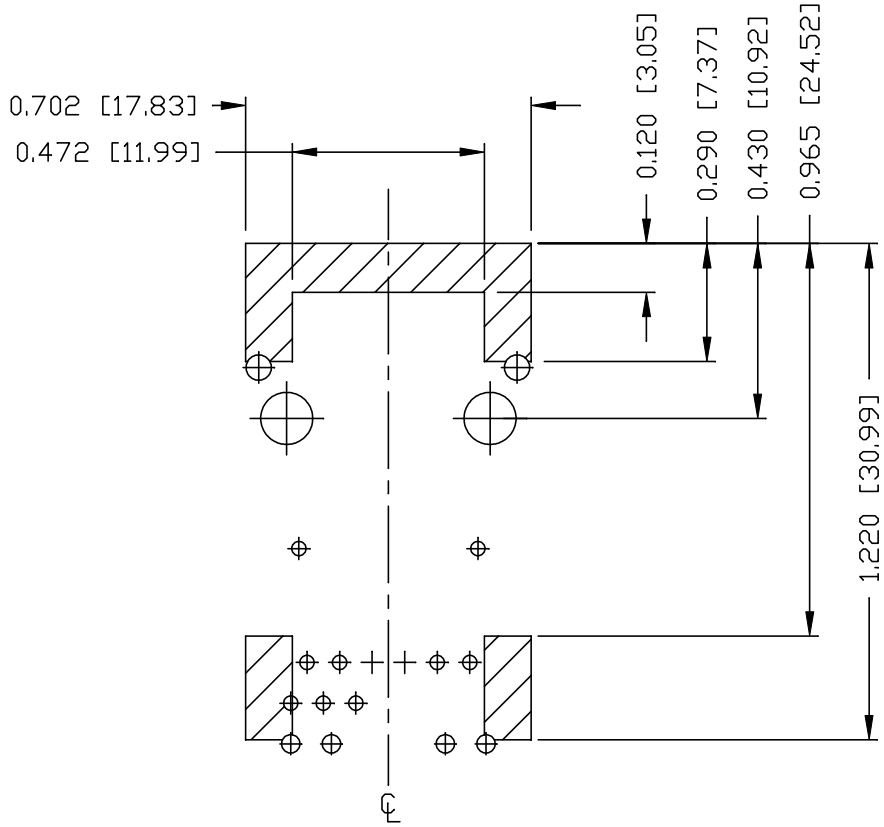
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DRAWN BY JESSE LI DATE 2016-08-09		FILE NAME 08261X1T57-F_F.DWG	.X / .XX / .XXX ±0.004 UNIT : INCH [mm] SCALE : N/A SIZE : A4

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NOTES

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

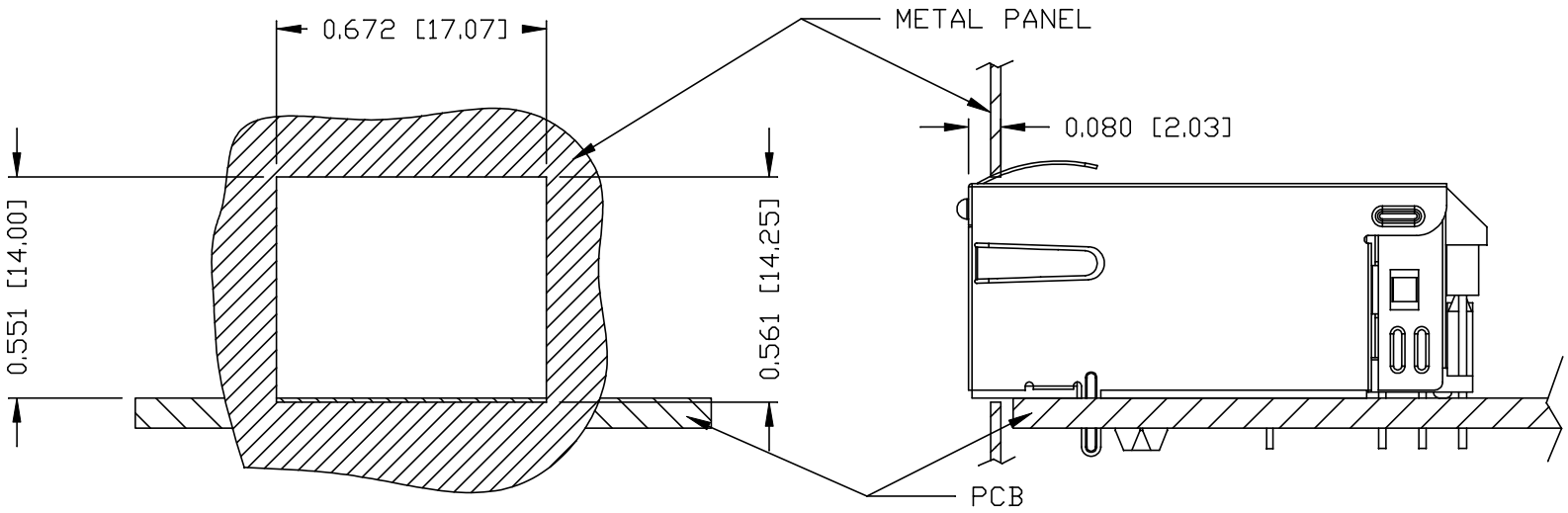
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DRAWN BY JESSE LI DATE 2016-08-09		FILE NAME 08261X1T57-F_F.DWG	.X / .XX / .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	bel MAGNETIC SOLUTIONS a bel group

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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 JESSE LI DATE 2016-08-09		FILE NAME 08261X1T57-F_F.DWG	.X / .XX / .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	bel MAGNETIC SOLUTIONS a bel group

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