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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%

OCL @ 100kHz/100mVRMS

FOR CHANNEL 1 AND CHANNEL 2
11mA DC BIAS 350µH MIN.
Compliant to IEEE 802.3at specification

INS. LOSS

0.1MHz TO 1MHz -1.1 dB MAX
1MHz TO 65MHz -0.8 dB MAX
65MHz TO 100MHz -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

CM TO DM REJ

100kHz - 100MHz -35 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

1.2 A MAX. @ 57 VDC FOR 200 MILLISECONDS

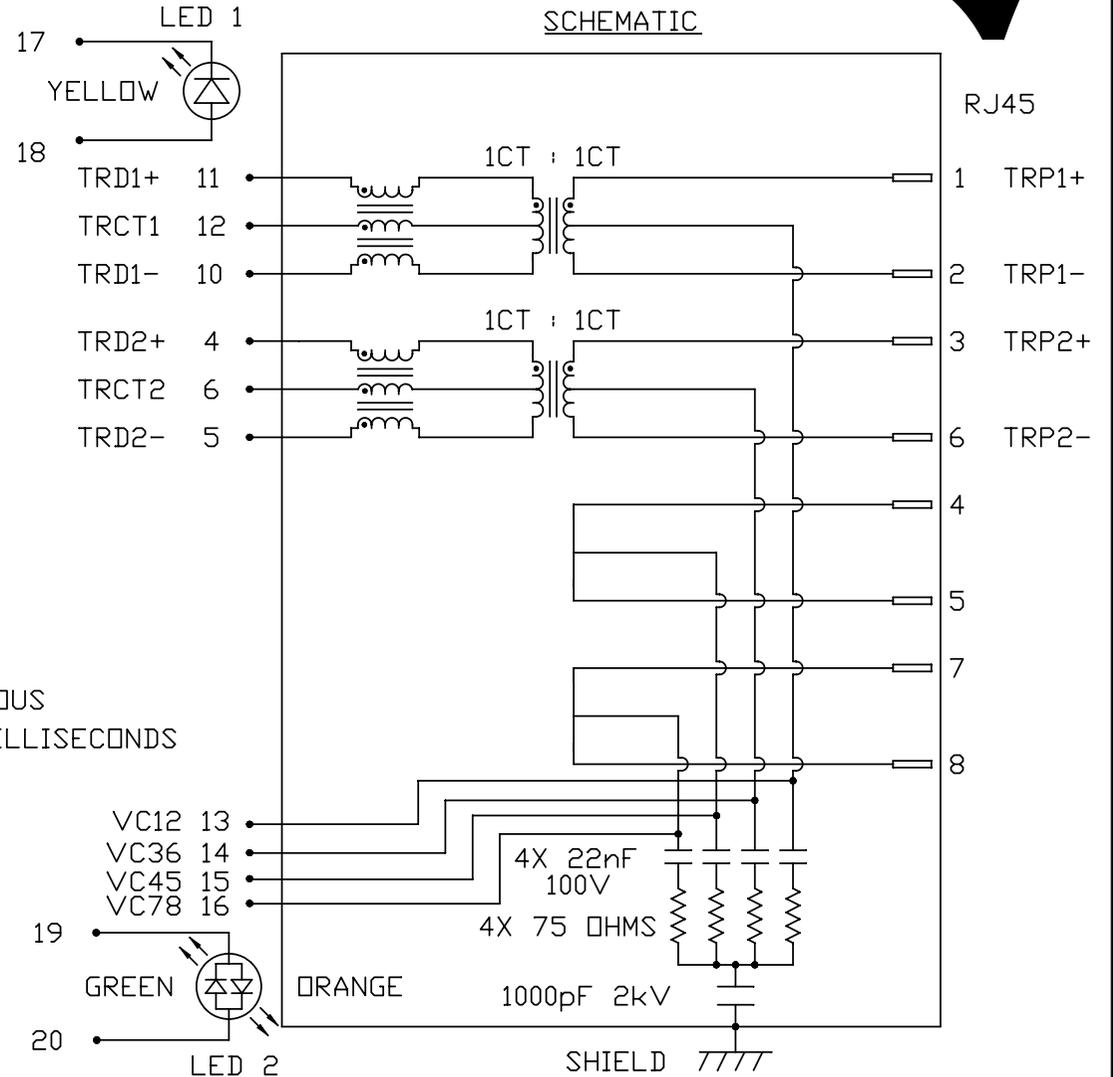
LED 1

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 565nm TYP.
ORANGE 610nm TYP.

OPERATING TEMPERATURE: -40°C TO 85°C



ORIGINATED BY	DATE
CHOW WANCHUNG	2012-09-20
DRAWN BY	DATE
TAN QIGUANG	2012-09-20

TITLE	10/100 MagJack® (PoE _p , Extended Temperature)
FILE NAME	0826-1X1T-GJ-F PATENTED 08261X1TGJ-F_B.DWG

PART NO. / DRAWING NO.	08261X1TGJ-F
STANDARD DIM. TOL. IN INCH	.X .XX .XXX

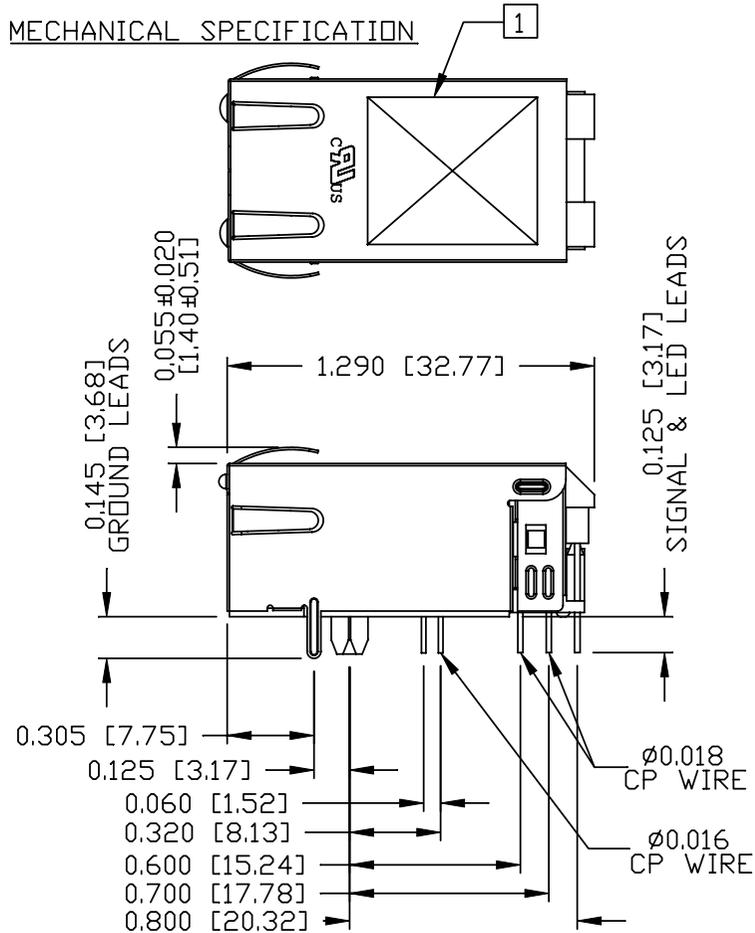
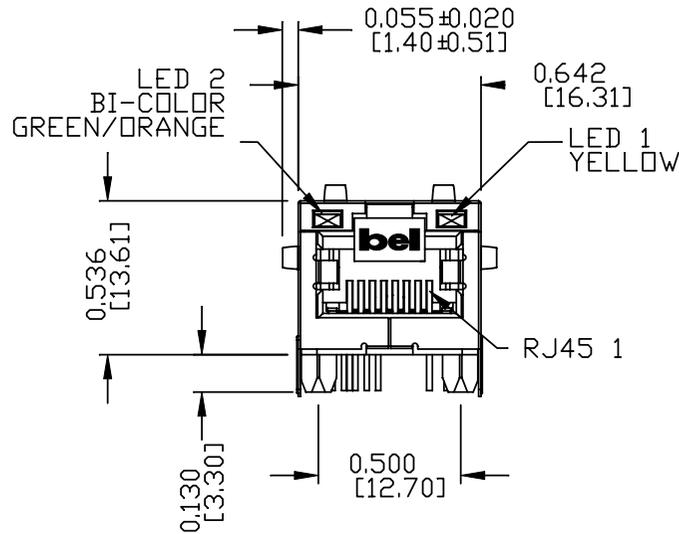
[] METRIC DIM. AS REFERENCE	UNIT : INCH [mm]	REV. : B
SCALE : N/A	SIZE : A4	PAGE : 2



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MECHANICAL SPECIFICATION

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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. THE PRODUCT IS RoHS COMPLIANT.
- 2. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117.
- 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- 4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117.

ORIGINATED BY ANTON LIAO	DATE 2012-09-20	TITLE 10/100 MagJack® (PoEp, Extended Temperature)	PART NO. / DRAWING NO. 08261X1TGJ-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
				.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY HE ZHEN	DATE 2012-09-20	0826-1X1T-GJ-F PATENTED	FILE NAME 08261X1TGJ-F_B.DWG	.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.010		PAGE : 3	

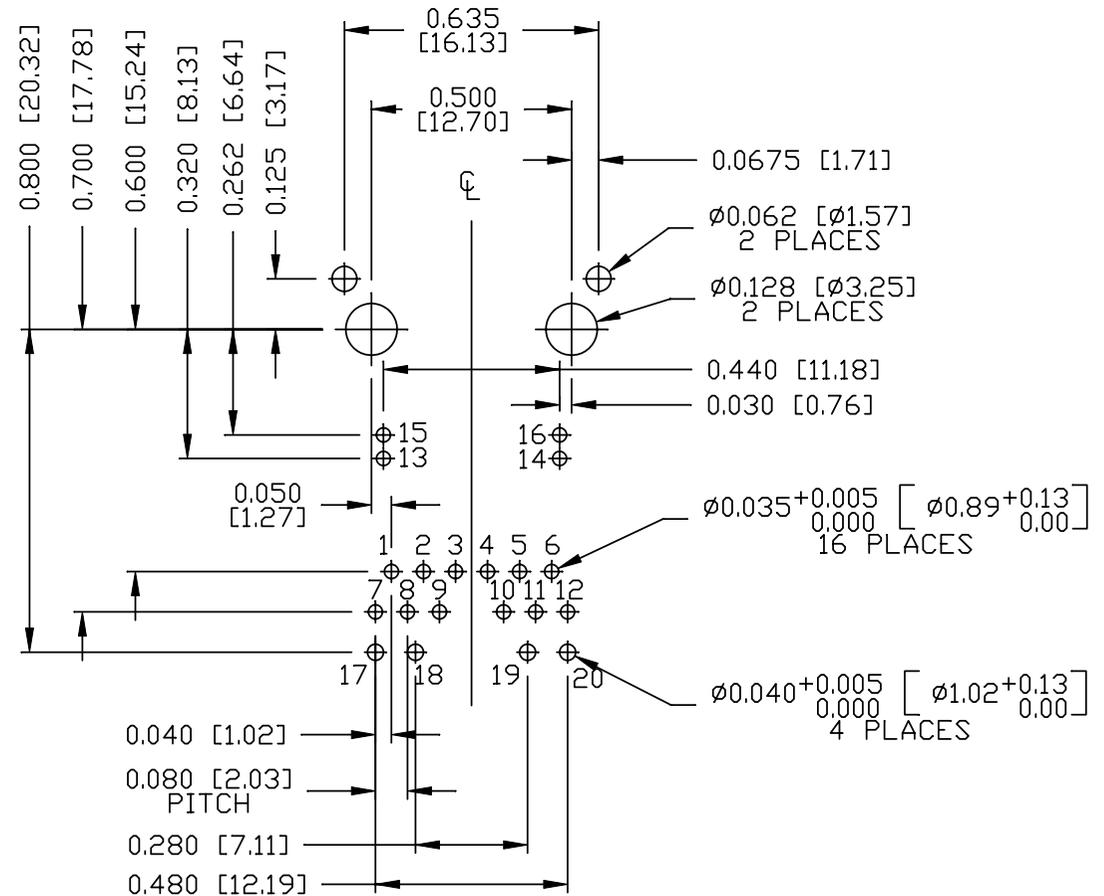
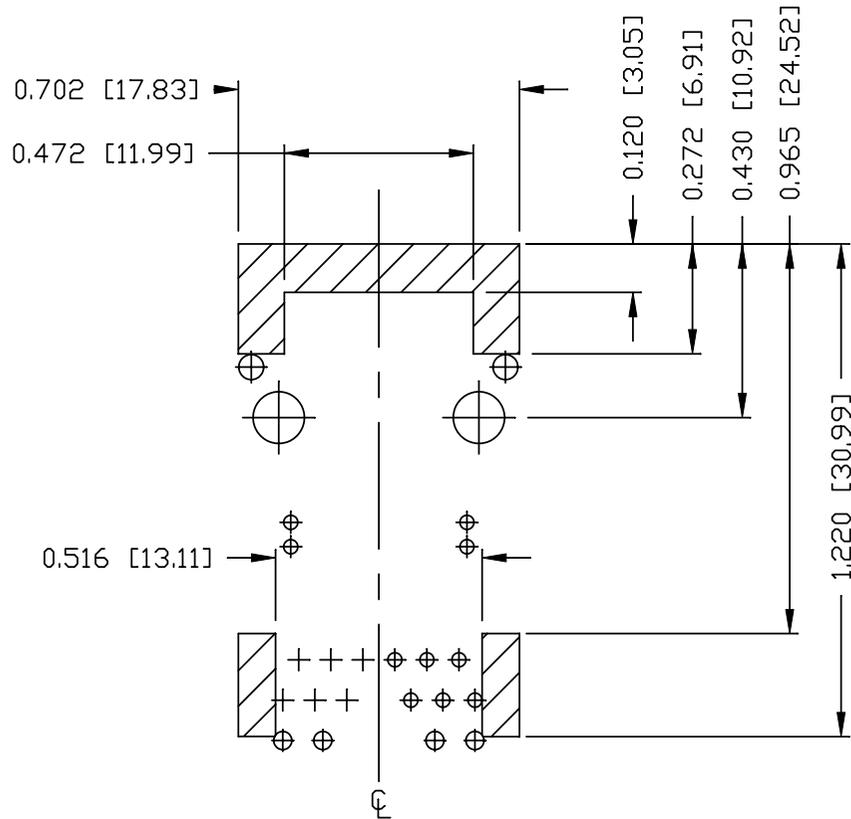
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RECOMMENDED PCB FOOTPRINT

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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				.X		UNIT : INCH [mm]	REV. : B
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				.XXX	±0.004		PAGE : 4

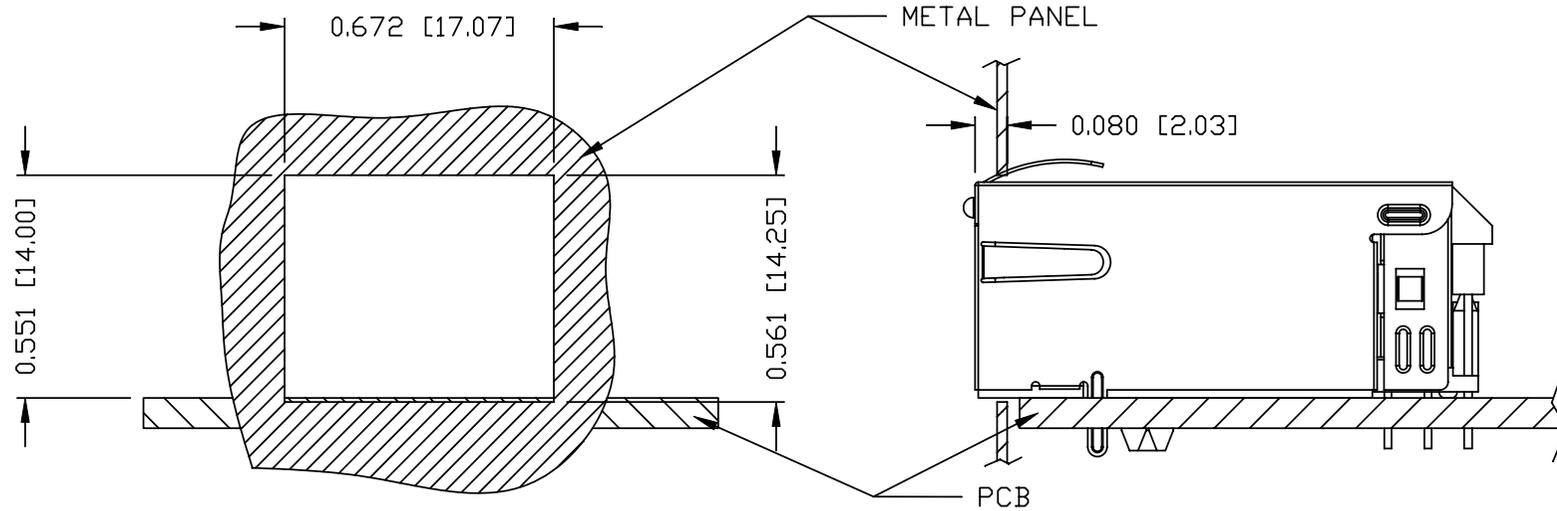


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SUGGESTED PANEL OPENING



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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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[0826-1X1T-GJ-F](#)