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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%

□CL @ 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
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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 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

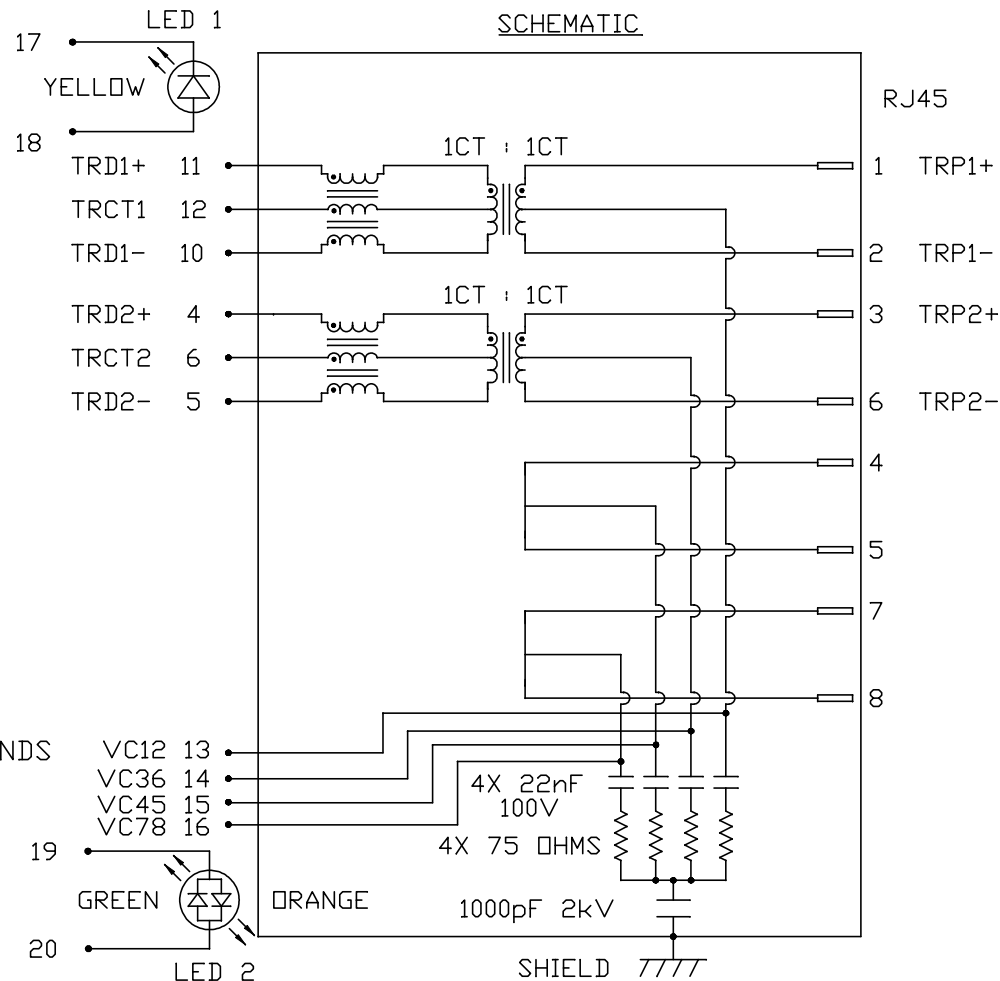
VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

ORANGE 2.0V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.

ORANGE 610nm TYP.

OPERATING TEMPERATURE: -40°C TO 85°C



ORIGINATED BY
CHOW WANCHUNG
DATE 2016-08-11

DRAWN BY
SKY YOU
DATE 2016-08-11

TITLE
10/100 MagJack®
(PoE, Extended Temperature)
0826-1X1T-GJ-F
PATENTED

PART NO. / DRAWING NO.
08261X1TGJ-F
FILE NAME
08261X1TGJ-F_D.DWG

STANDARD DIM.
TOL. IN INCH
.X
.XX
.XXX

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

REV. : D

PAGE : 2



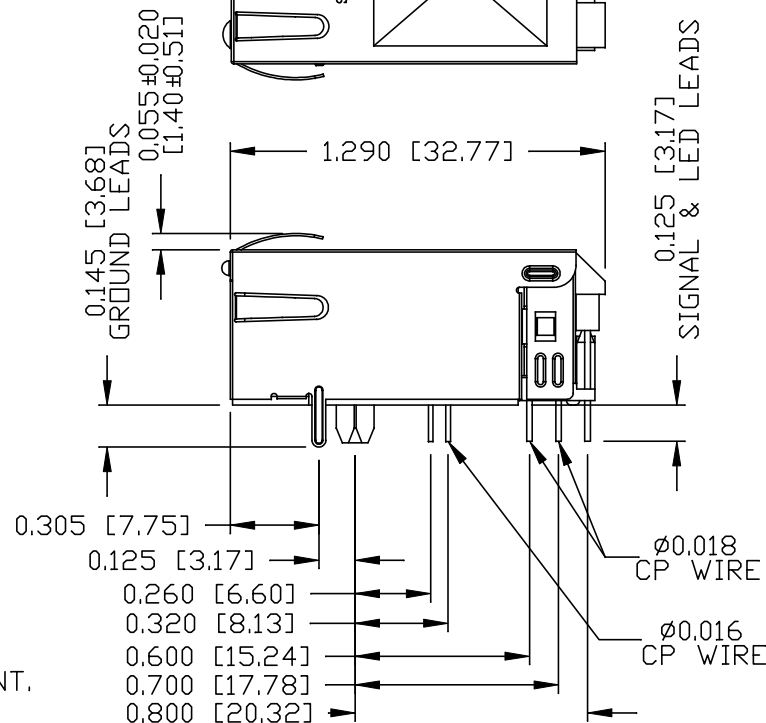
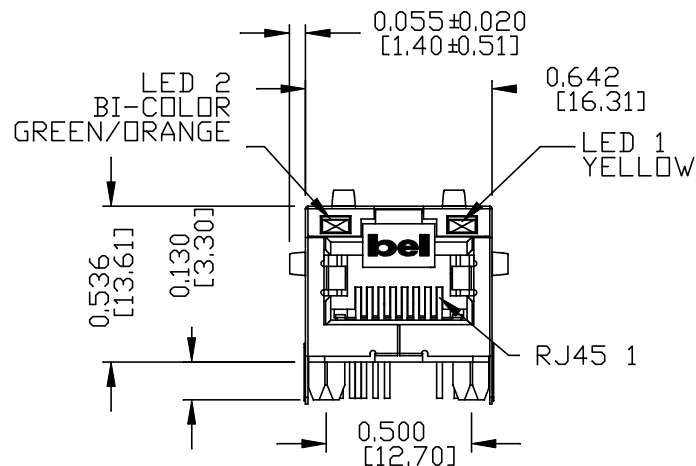
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MECHANICAL SPECIFICATION

RoHS



Additional Resources: [Product Page](#) [3D Model](#) [PCB Footprint](#) [Technical Documentation](#)



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 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.

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
ANTON LIAO
DATE 2016-08-11

DRAWN BY
JESSE LI
DATE 2016-08-11

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(PoEp, Extended Temperature)
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PATENTED

PART NO. / DRAWING NO.
08261X1TGJ-F
FILE NAME
08261X1TGJ-F_D.DWG

STANDARD DIM.
TOL. IN INCH
.X
.XX
.XXX
±0.010

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

REV. : D PAGE : 3

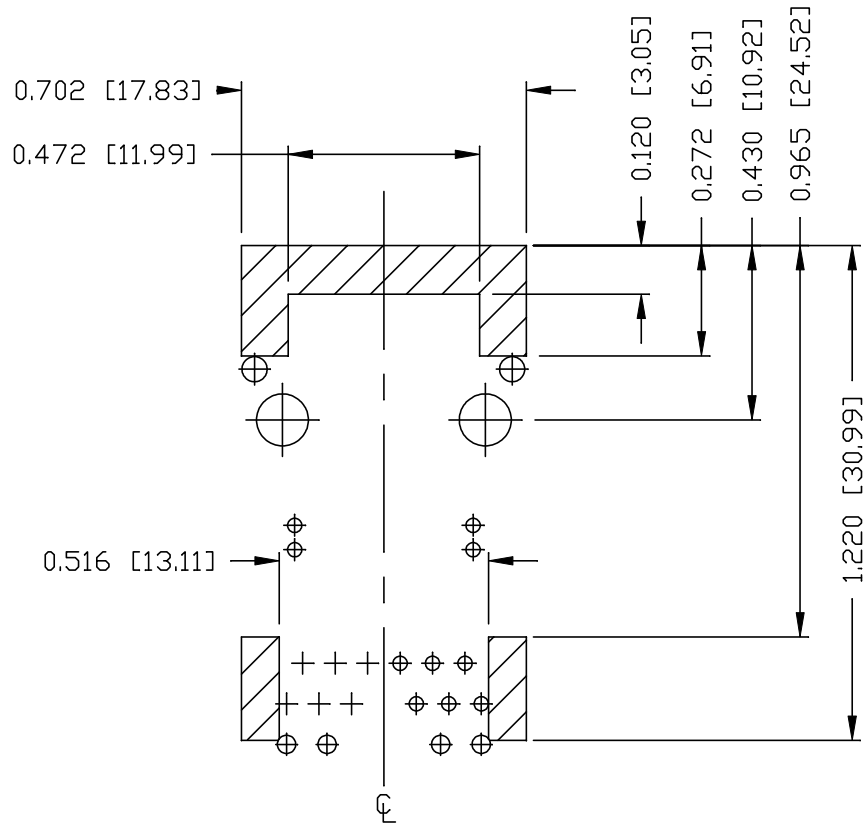
MAGNETIC SOLUTIONS
a bel group

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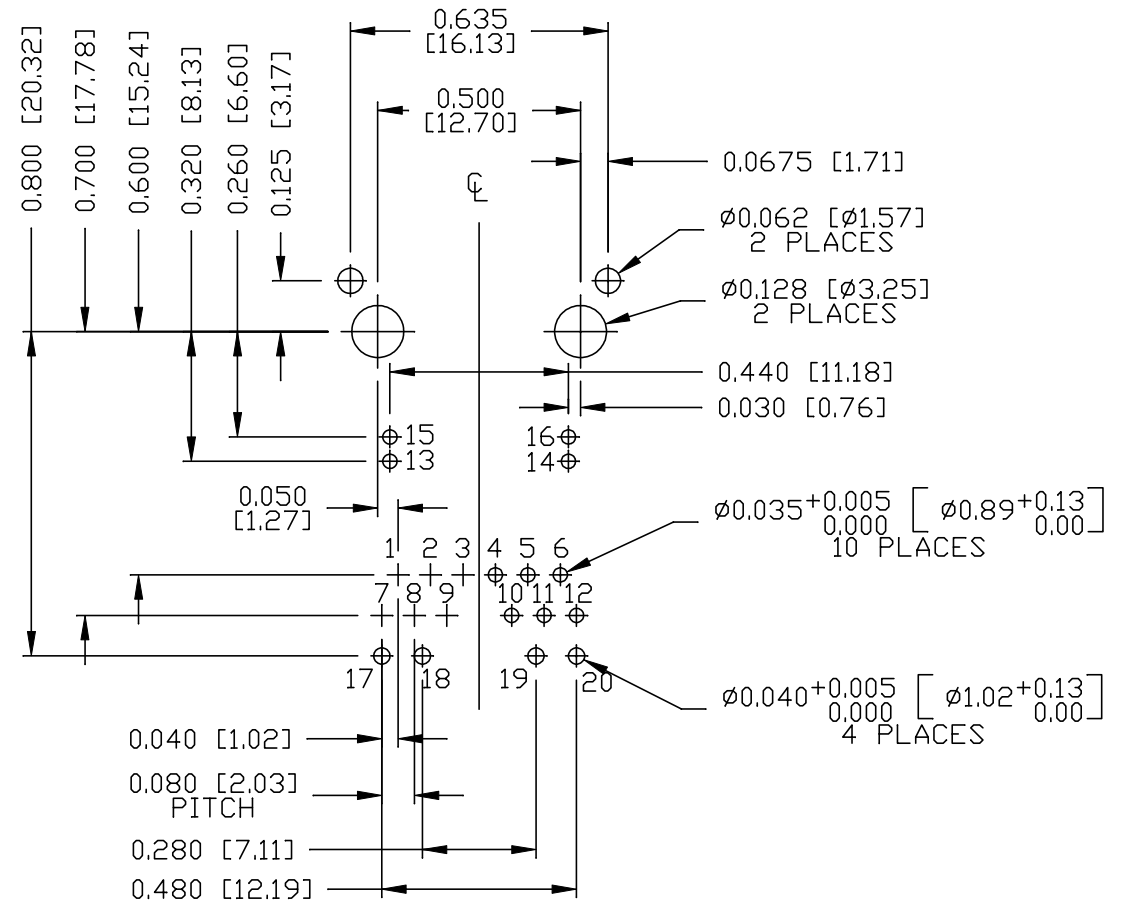


RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



NOTES

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



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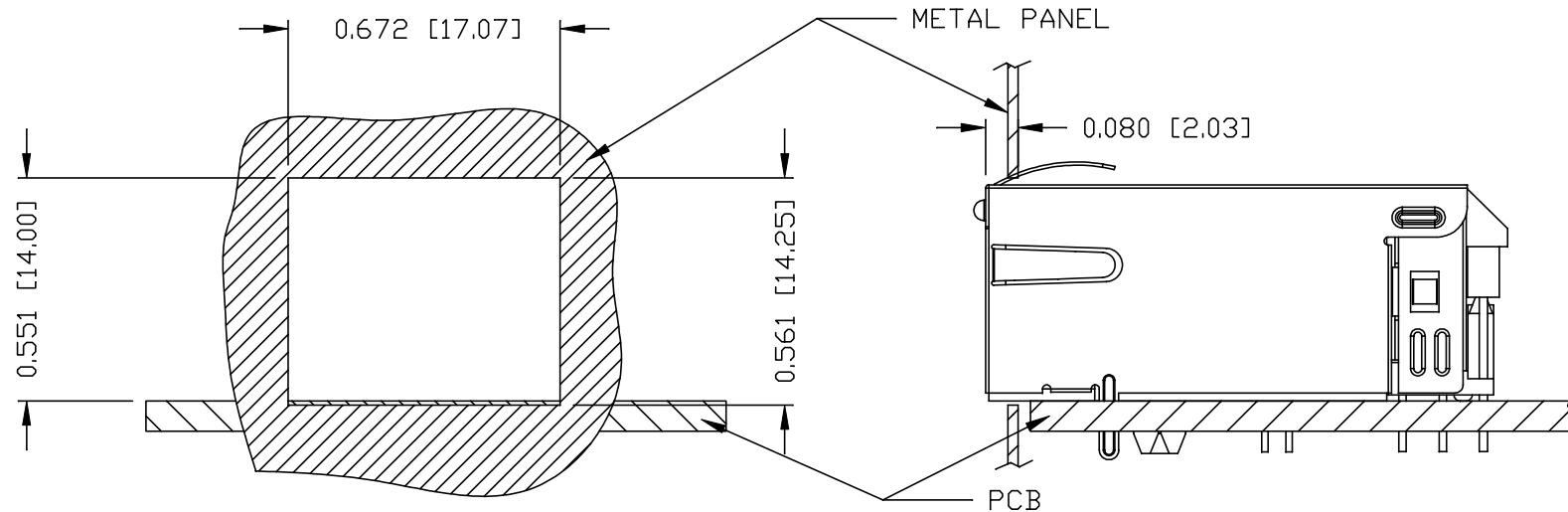
STANDARD DIM.
TOL. IN INCH
.X
.XX
.XXX
±0.004

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

REV. : D PAGE : 4



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)

ORIGINATED BY ANTON LIAO DATE 2016-08-11		TITLE 10/100 MagJack® (PoEp, Extended Temperature)		PART NO. / DRAWING NO. 08261X1TGJ-F		STANDARD DIM. TOL. IN INCH .X .XX .XXX		[] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4		REV. : D	PAGE : 5
DRAWN BY JESSE LI DATE 2016-08-11		FILE NAME 08261X1TGJ-F_D.DWG		FILE NAME 08261X1TGJ-F_D.DWG		FILE NAME 08261X1TGJ-F_D.DWG		FILE NAME 08261X1TGJ-F_D.DWG			