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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 $\pm 2\%$
TP2 1CT : 1CT $\pm 2\%$

OCL @ 100kHz/100mVRMS

FOR CHANNEL 1 AND CHANNEL 2

11mA DC BIAS 350 μ H 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 $-12+20\text{LOG}(f/80\text{MHz})$ 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

V_F (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

λ _D (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

LED 2

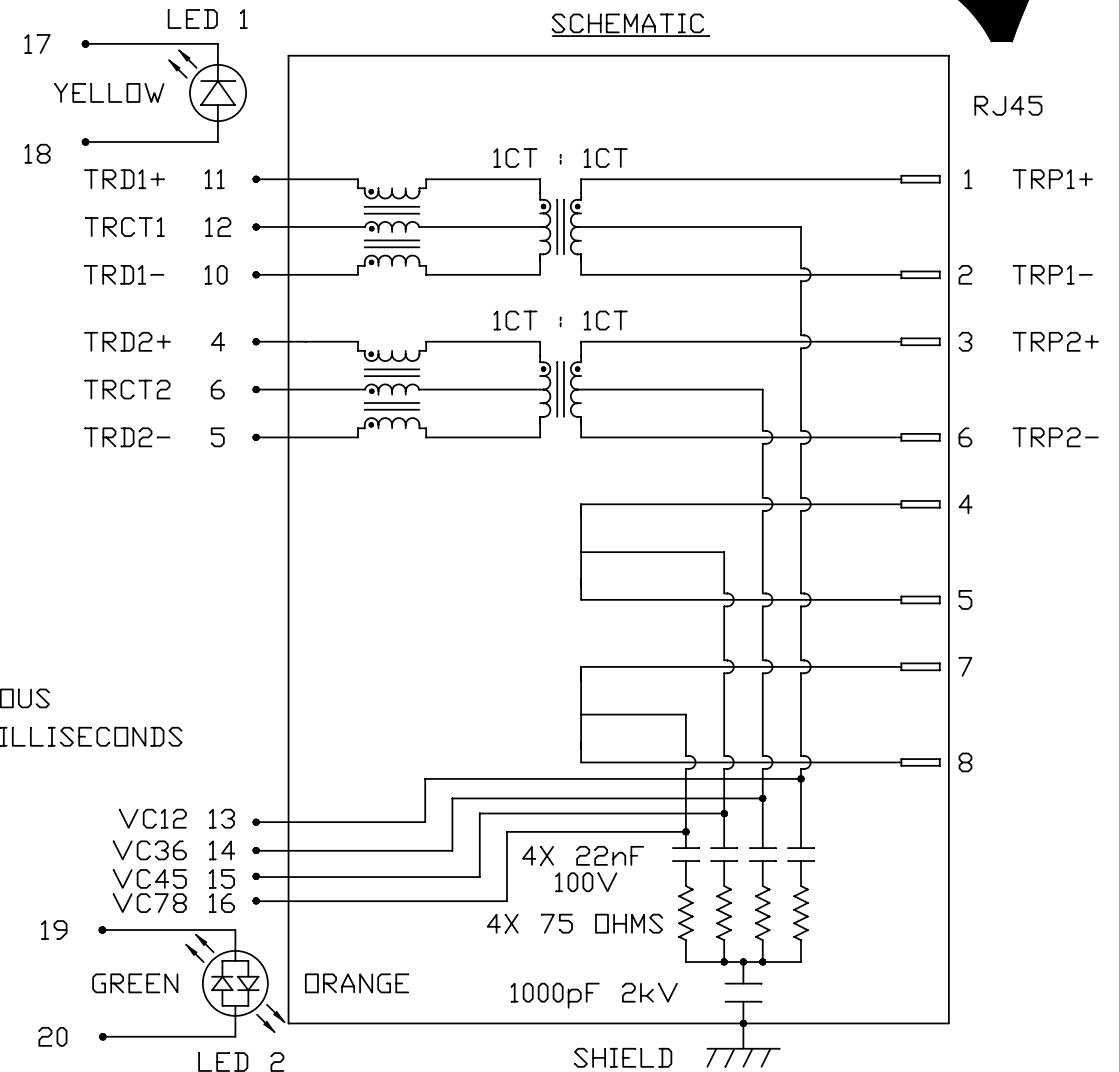
V_F (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

ORANGE 2.0V TYP.

λ _D (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

TITLE 10/100 MagJack®
(PoE, Extended Temperature)

PART NO. / DRAWING NO.

08261X1TGJ-F

STANDARD DIM.

TOL. IN INCH

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm] REV. : B

DRAWN BY DATE
TAN QIGUANG 2012-09-20

0826-1X1T-GJ-F

PATENTED

FILE NAME

08261X1TGJ-F_B.DWG

.X

.XX

.XXX

SCALE : N/A

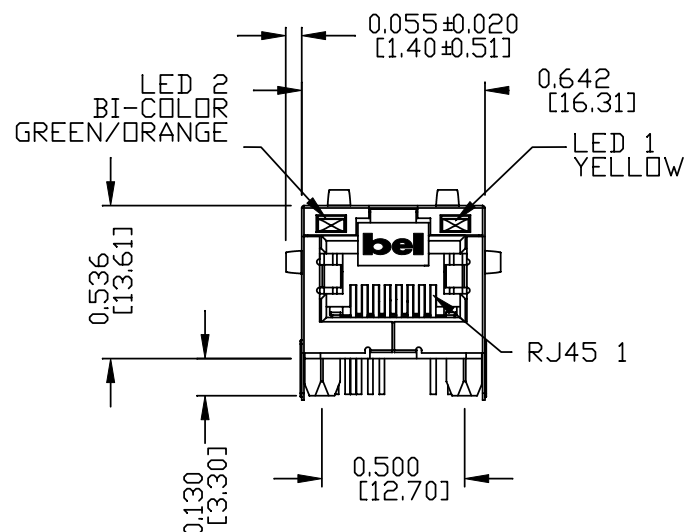
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PAGE : 2

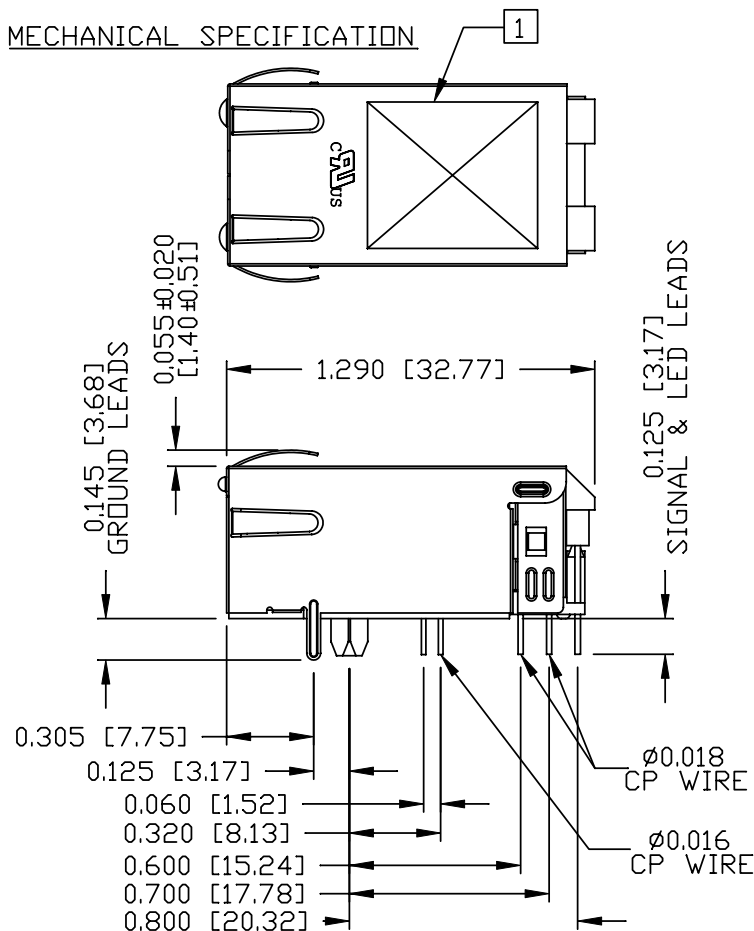
bel
COMPONENTS FOR A
CONNECTED
PLANET

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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. THE PRODUCT IS RoHS COMPLIANT.
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. 5,736,910 AND U.S. PAT. 7,123,117.

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



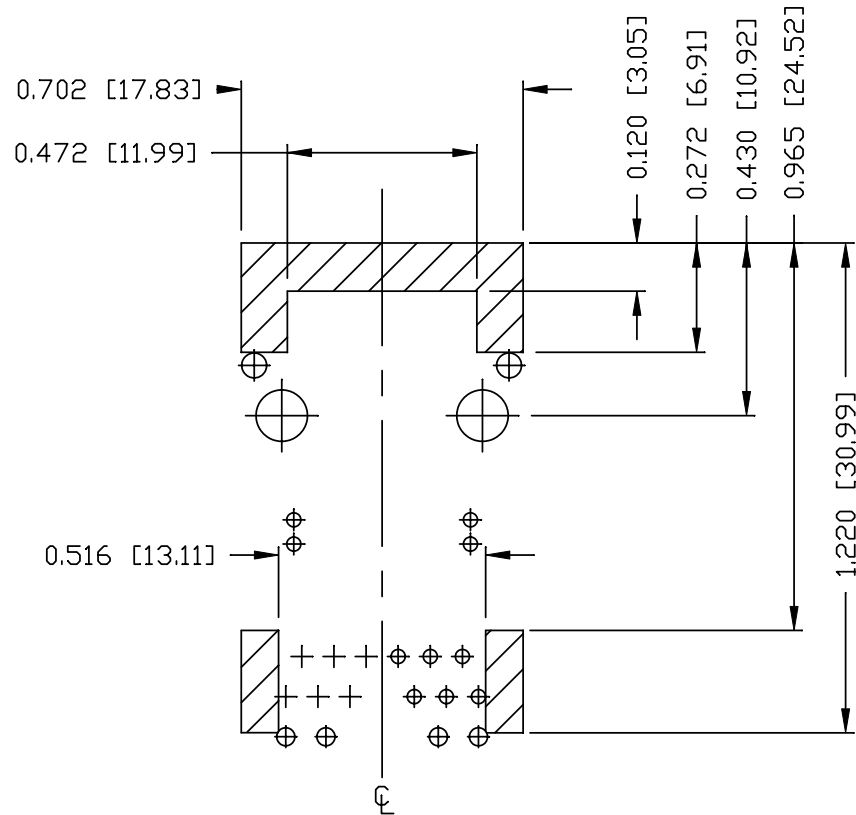
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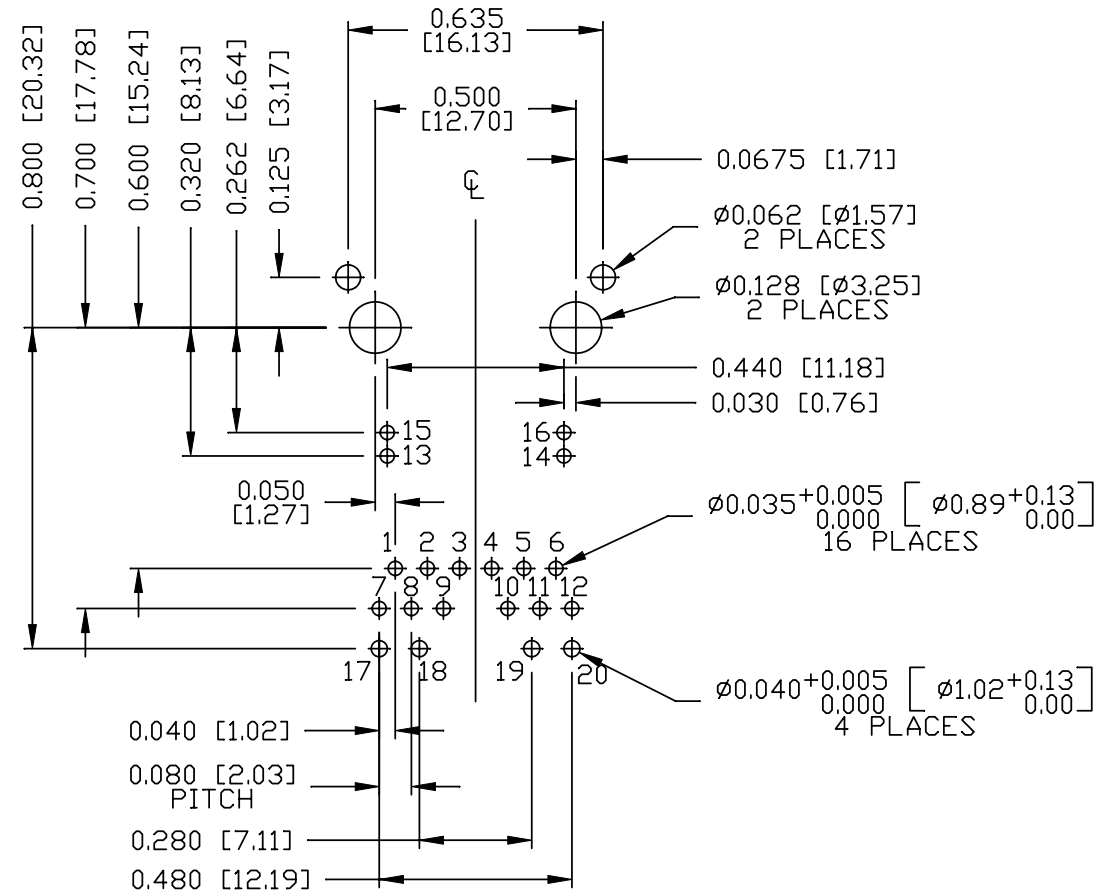
RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



NOTES

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



ORIGINATED BY ANTON LIAO	DATE 2012-09-20	TITLE 10/100 MagJack® (PoEp, Extended Temperature) 0826-1X1T-GJ-F PATENTED	PART NO. / DRAWING NO. 08261X1TGJ-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 bel COMPONENTS OR CONNECTED PLANET
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				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 4	

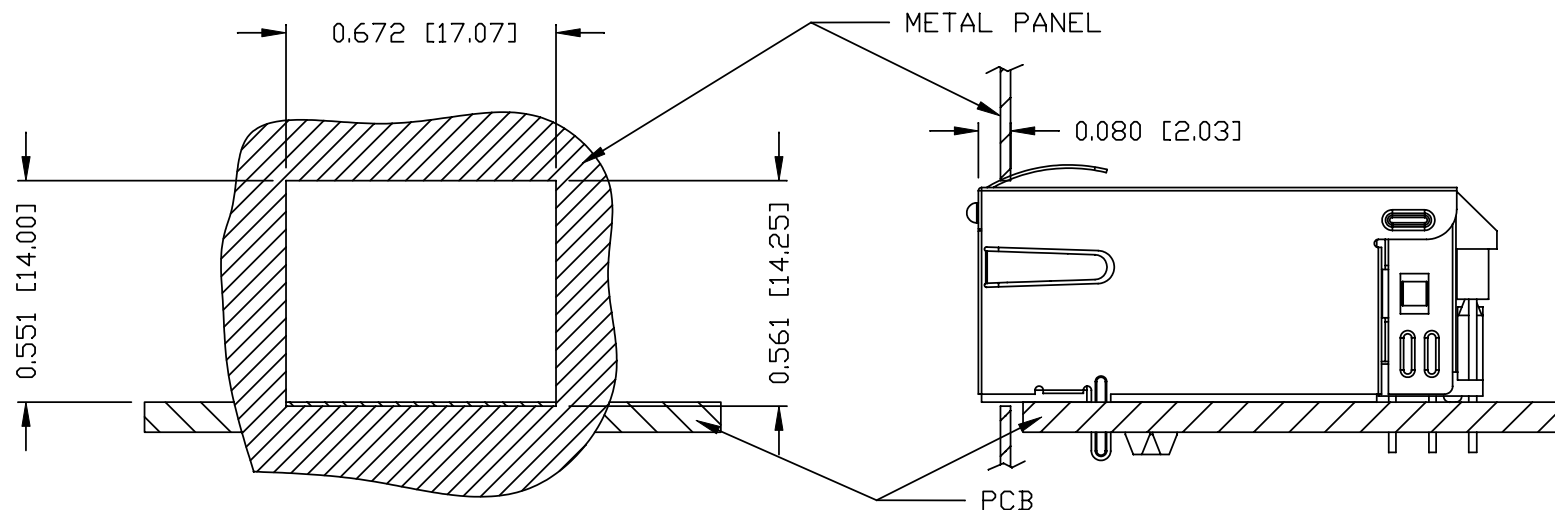


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SUGGESTED PANEL OPENING



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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HE ZHEN	2012-09-20	PATENTED	08261X1TGJ-F_B.DWG	.XXX	±0.004		PAGE : 5	

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