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RoHS



LED1 POLARITY			LED2 POLARITY		
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
+	-	ORANGE	+	-	ORANGE
-	+	GREEN	-	+	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

CL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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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

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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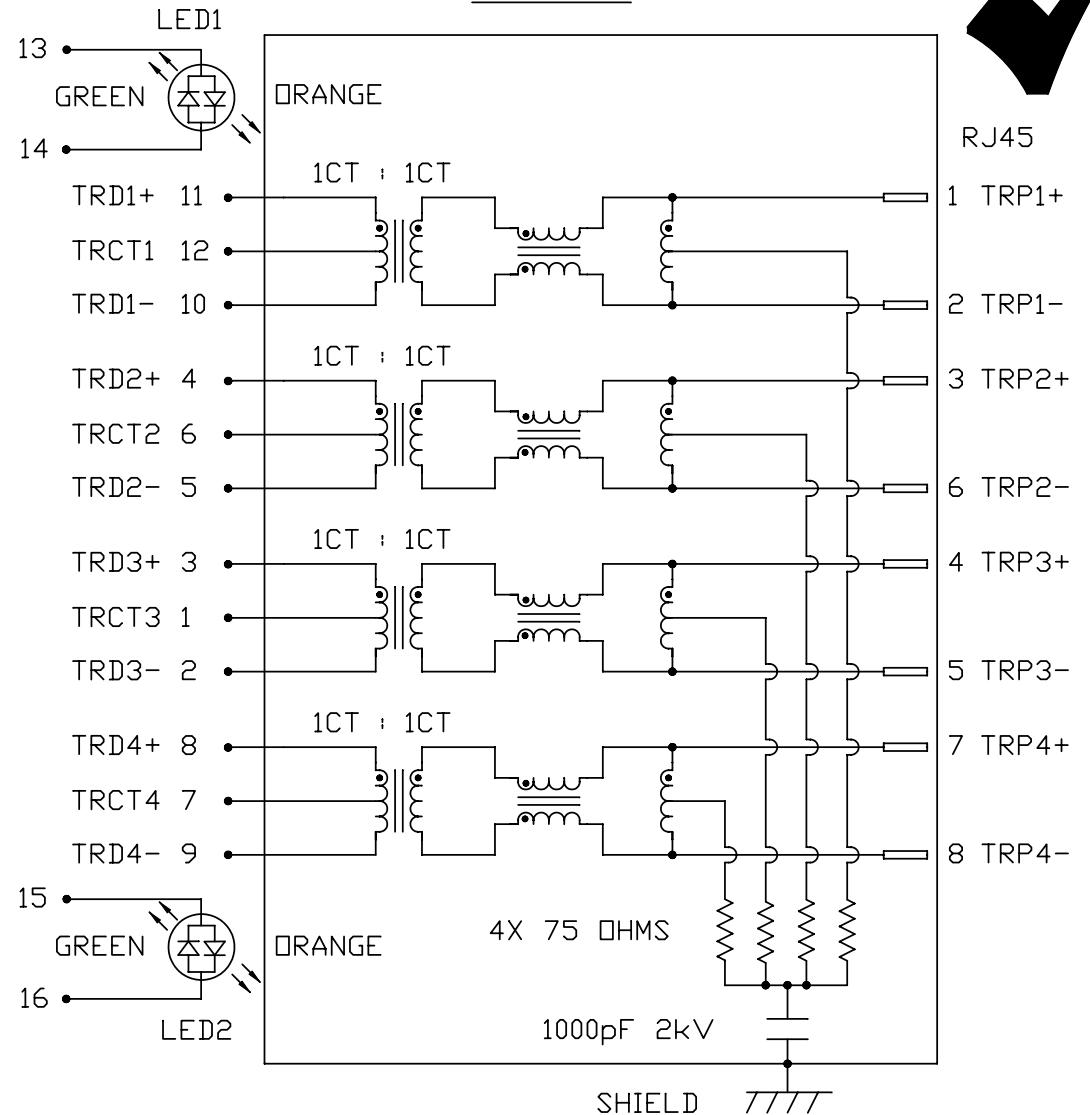
HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC

100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1 & 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.0V TYP.
AD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		ORANGE	610nm TYP.

SCHEMATIC



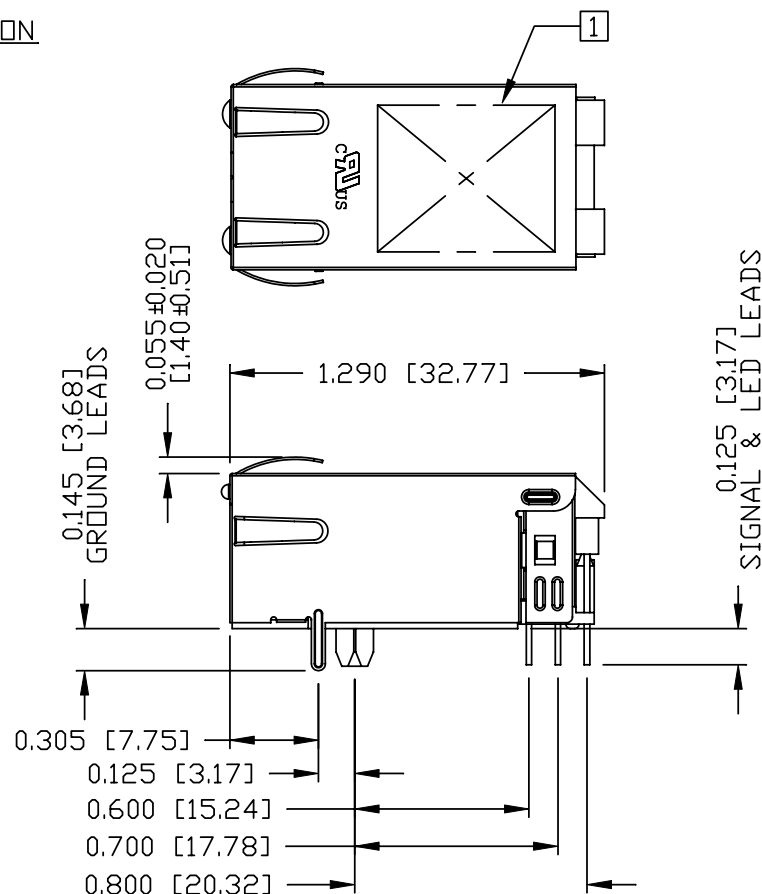
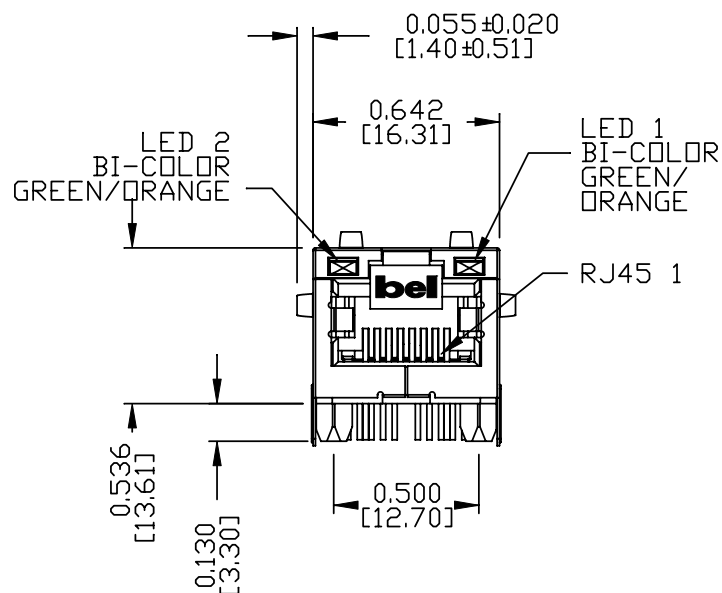
ORIGINATED BY		DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY		DATE			TOL. IN INCH		UNIT : INCH [mm]	REV. : D	
CHOW WANCHUNG		2012-05-09			.X		SCALE : N/A	SIZE : A4	
TAN QIGUANG		2012-05-09			.XX			PAGE : 2	
			gigabit MagJack® (12 cores, Tap Up) 0826-1B1T-23-F PATENTED	08261B1T23-F	FILE NAME 08261B1T23-F_D.DWG				

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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 0.018 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 IS
U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	gigabit MagJack® (12 cores, Tap Up) 0826-1B1T-23-F PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET	
ANTON LIAO	2012-05-09			08261B1T23-F	TOL. IN INCH		UNIT : INCH [mm]			REV. : D
DRAWN BY	DATE			FILE NAME	.X		SCALE : N/A			SIZE : A4
HE ZHEN	2012-05-09			08261B1T23-F_D.DWG	.XX		PAGE : 3			
			.XXX	±0.010						

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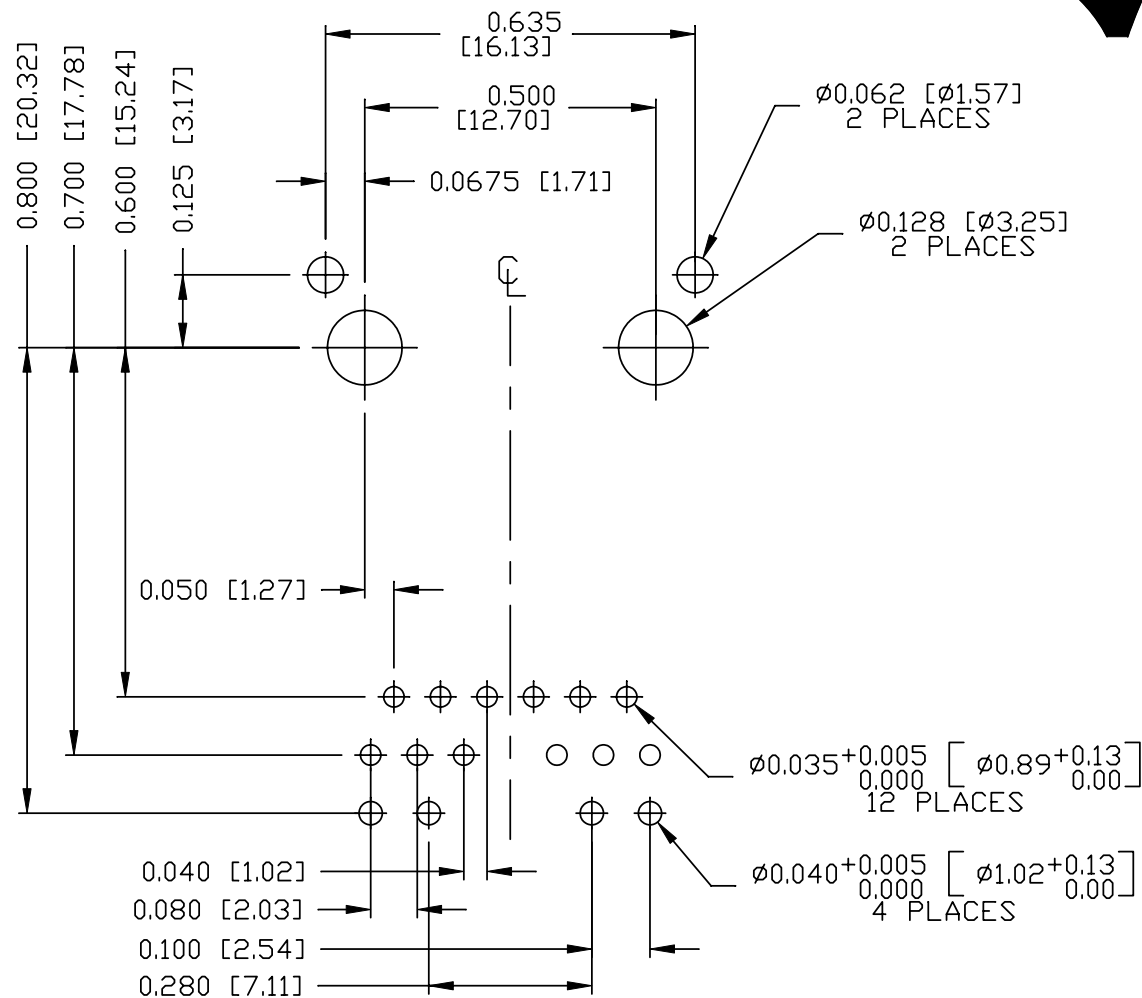


PIN ASSIGNMENT
COMPONENT SIDE VIEW



1 2 3 4 5 6
7 8 9 10 11 12
13 14 15 16

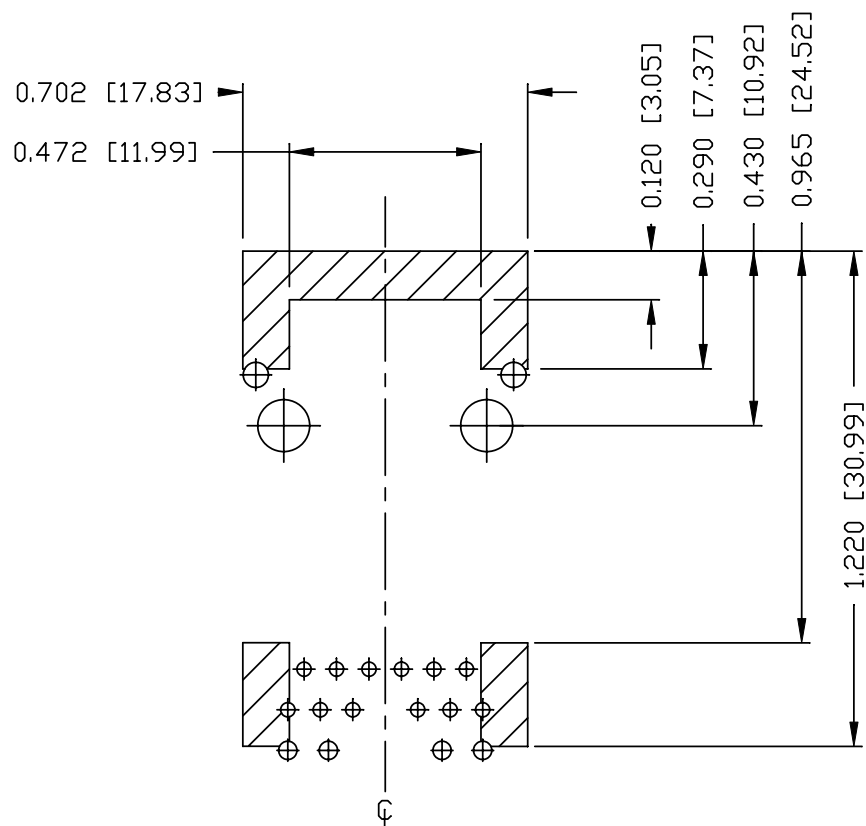
RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



ORIGINATED BY ANTON LIAO	DATE 2012-05-09	TITLE gigabit MagJack® (12 cores, Tap Up) 0826-1B1T-23-F PATENTED	PART NO. / DRAWING NO. 08261B1T23-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
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				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 4	

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NOTES

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

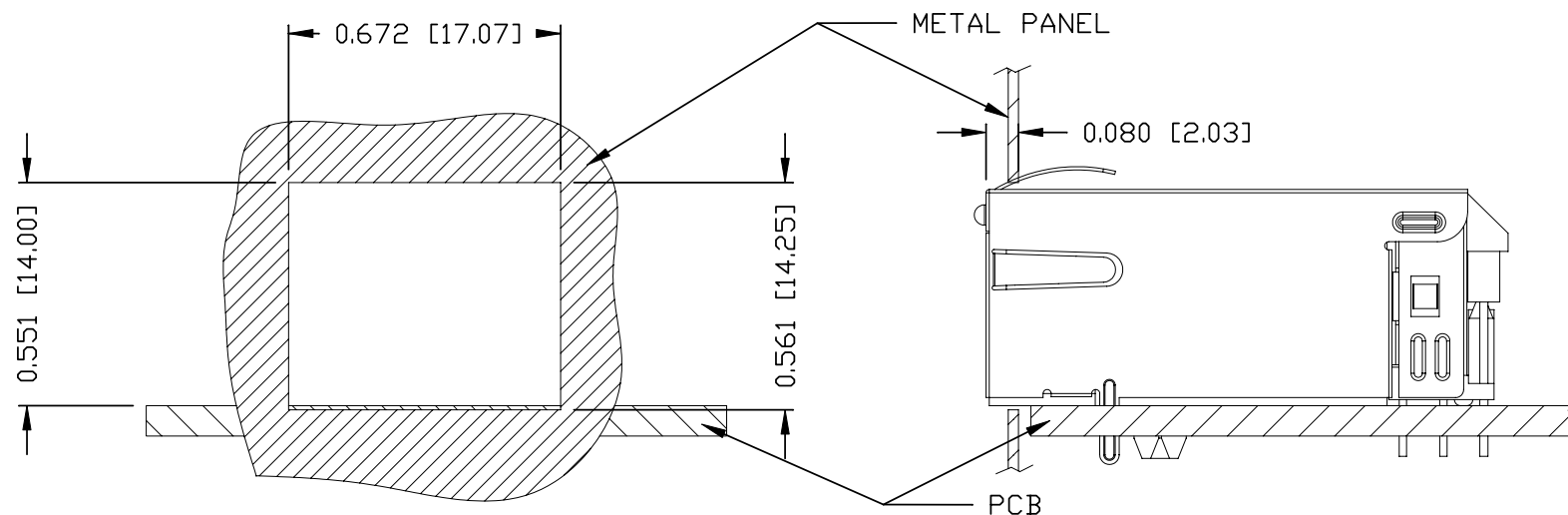
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					UNIT : INCH [mm]	REV. : D	
DRAWN BY HE ZHEN	DATE 2012-05-09		FILE NAME 08261B1T23-F_D.DWG		SCALE : N/A	SIZE : A4	
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SUGGESTED PANEL OPENING



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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				.XXX	±0.004		PAGE : 6	