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RoHS



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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$

DCL @ 100kHz/100mVRMS

8mA DC BIAS	350 μ H 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

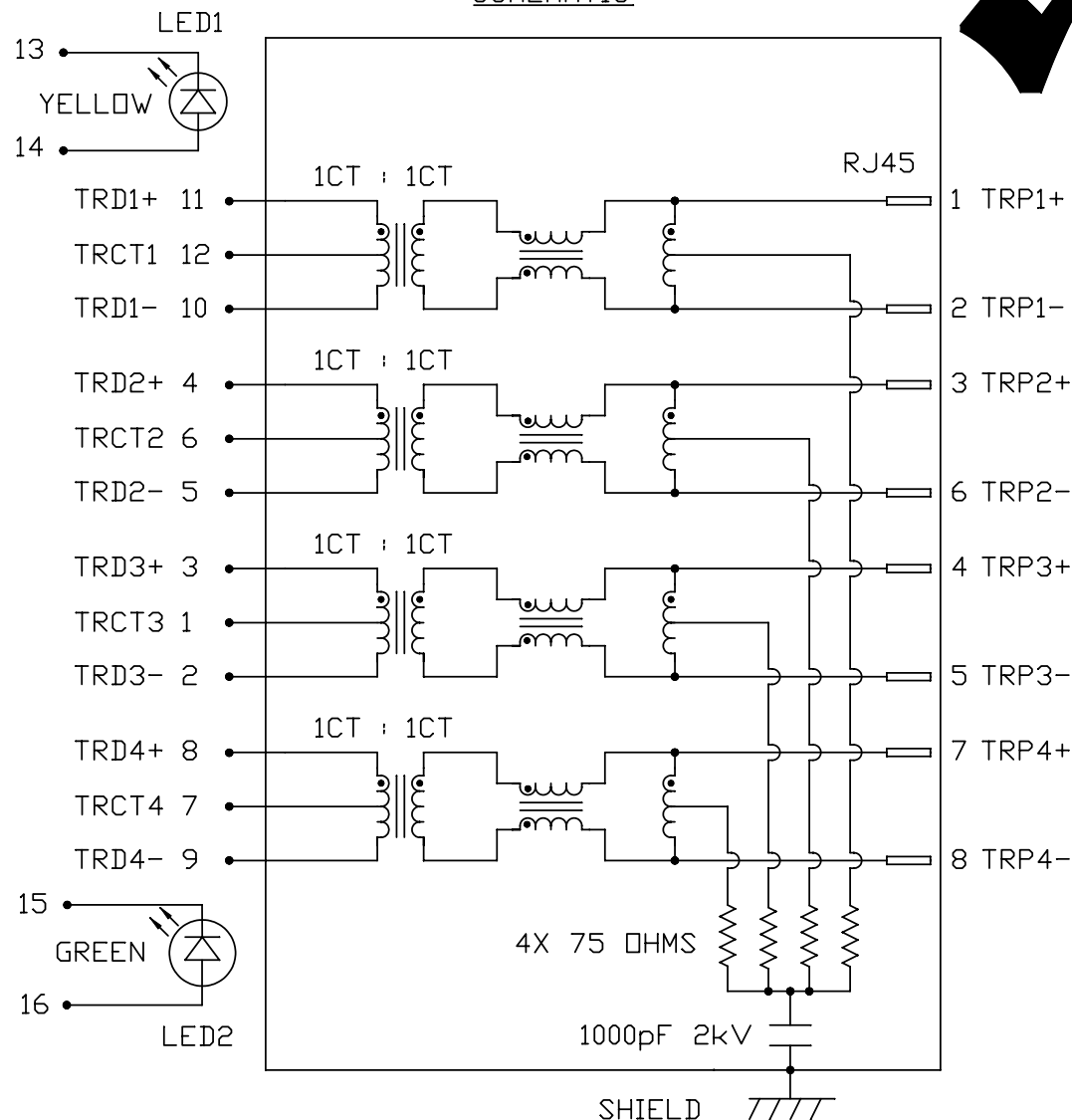
100% OF PRODUCTION TESTED TO COMPLY WITH
 IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1

VF (FORWARD VOLTAGE)	IF=20mA YELLOW 2.1V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA YELLOW 590nm TYP.

LED 2

VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA GREEN 570nm TYP.



ORIGINATED BY	DATE
CHOW WANCHUNG	2014-10-17
DRAWN BY	DATE
HU XIANG	2014-10-17

TITLE
Gigabit MagJack® (12 cores, Tab Up) 0826-1A1T-23-F PATENTED

PART NO. / DRAWING NO.
08261A1T23-F
FILE NAME
08261A1T23-F_E.DWG

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

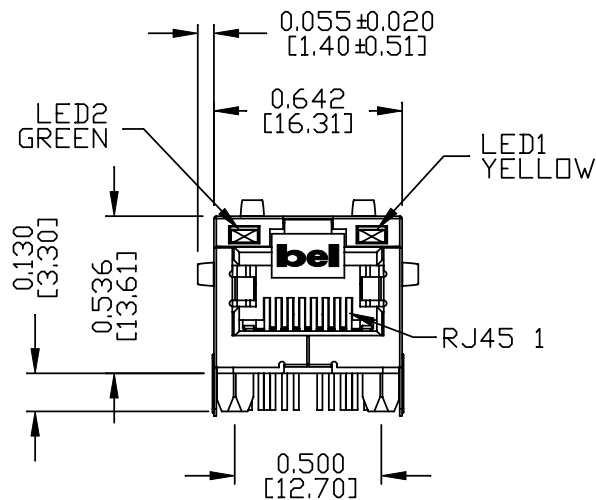
[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : E
SIZE : A4
PAGE : 2



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MECHANICAL SPECIFICATION

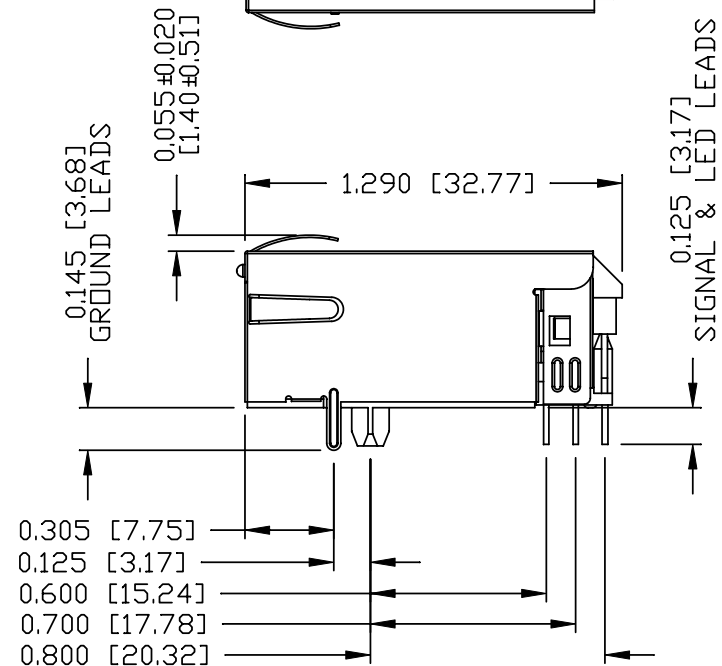
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NOTES:

- 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 0.018 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.



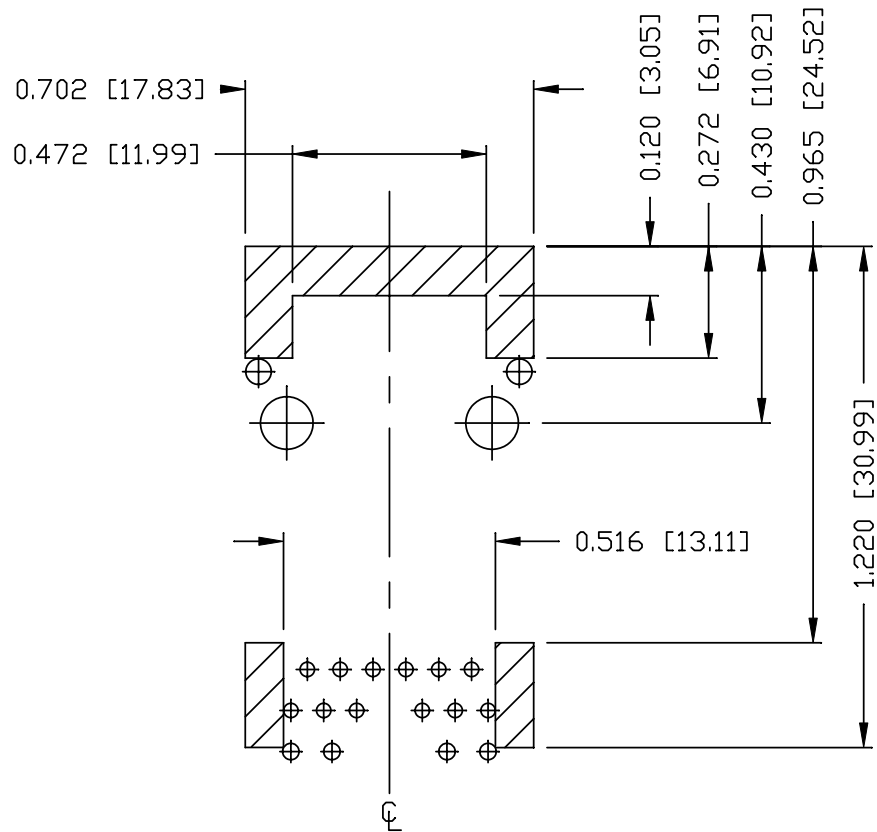
1. THE PRODUCT IS RoHS COMPLIANT.
2. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
LI QUANKUN	2014-10-17	Gigabit MagJack® (12 cores, Tab Up)	08261A1T23-F	.X	UNIT : INCH [mm] REV. : E
DRAWN BY	DATE	0826-1A1T-23-F	FILE NAME	.XX	SCALE : N/A SIZE : A4
ZHANG XUEZHENG	2014-10-17	PATENTED	08261A1T23-F_E.DWG	.XXX ±0.010	PAGE : 3



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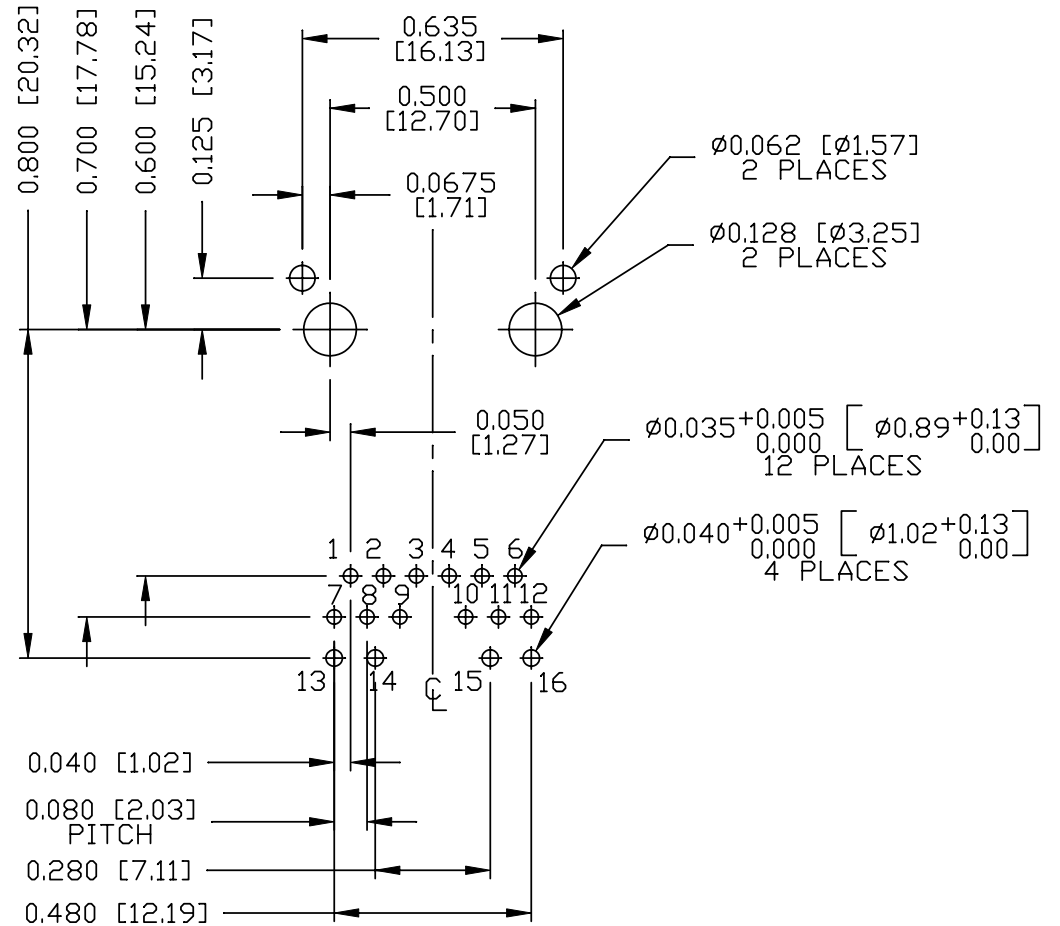


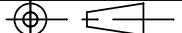
NOTES

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

RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



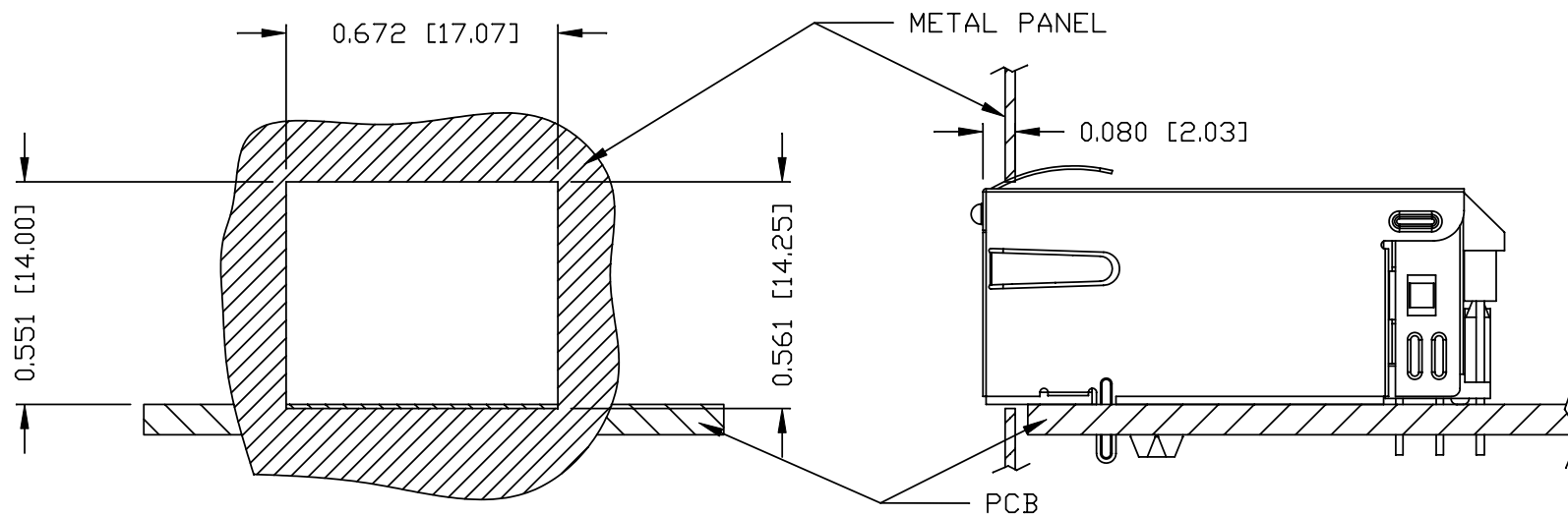
ORIGINATED BY LI QUANKUN		DATE 2014-10-17	TITLE Gigabit MagJack® (12 cores, Tab Up) 0826-1A1T-23-F PATENTED	PART NO. / DRAWING NO. 08261A1T23-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY ZHANG XUEZHENG		DATE 2014-10-17		FILE NAME 08261A1T23-F_E.DWG		.X		UNIT : INCH [mm]	REV. : E	
						.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)

ORIGINATED BY LI QUANKUN	DATE 2014-10-17	TITLE Gigabit MagJack® (12 cores, Tab Up) 0826-1A1T-23-F PATENTED	PART NO. / DRAWING NO. 08261A1T23-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : E
DRAWN BY ZHANG XUEZHENG	DATE 2014-10-17		FILE NAME 08261A1T23-F_E.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 5

