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

#### 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 (0-70°C) 350µH MIN.

##### 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) @ 100 OHMS +/-15%

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

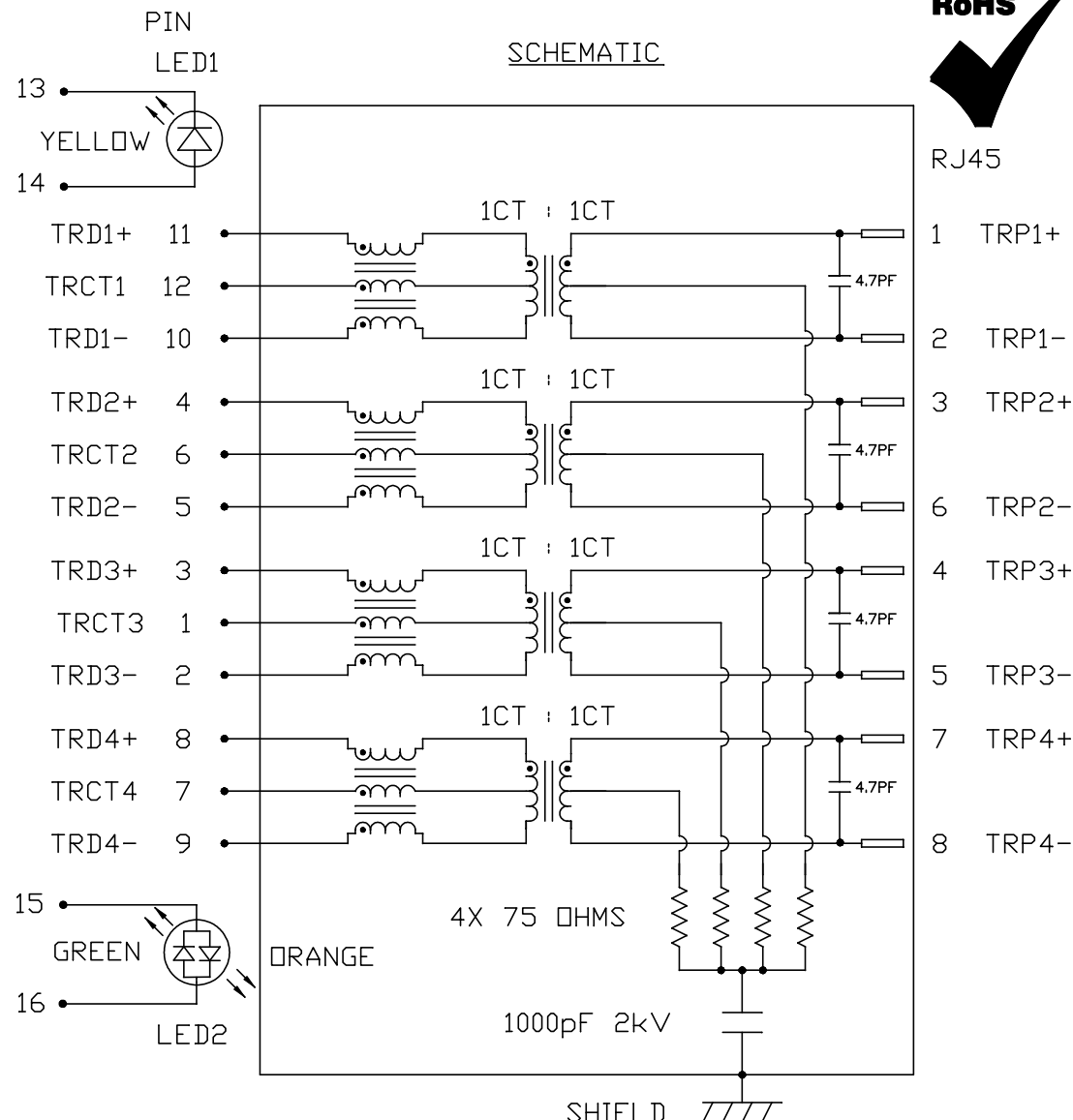
100% OF PRODUCT TESTED IN PRODUCTION

##### LED 1

V <sub>F</sub> (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λ <sub>D</sub> (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.

##### LED 2

V <sub>F</sub> (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.0V TYP.
λ <sub>D</sub> (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.
		ORANGE	605nm TYP.



ORIGINATED BY  
CHOW WANCHUNG  
DATE 2015-01-02

DRAWN BY  
HU XIANG  
DATE 2015-01-02

#### TITLE

gigabit MagJack®  
(Ultra Low Profile)  
PATENTED

#### PART NO. / DRAWING NO.

L829-1X1T-43

#### FILE NAME

L829-1X1T-43\_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

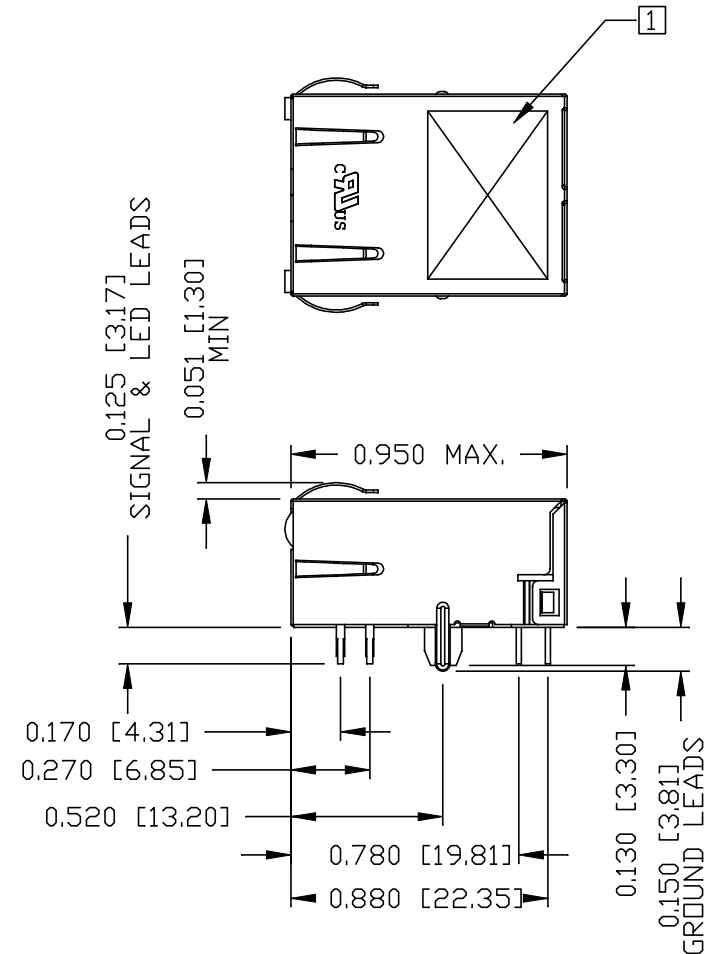
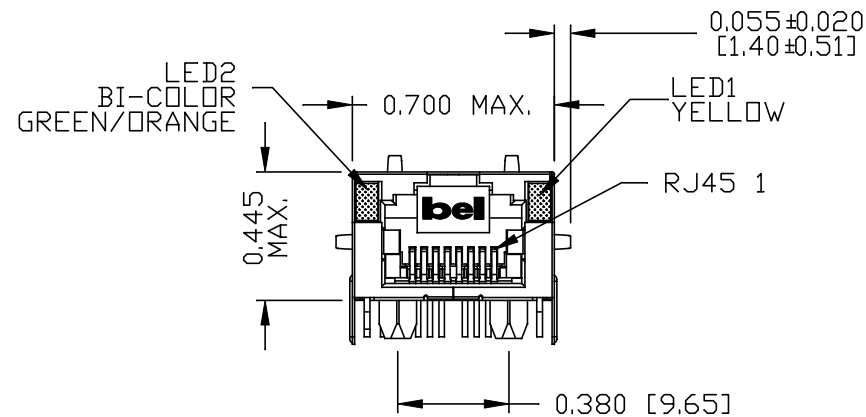


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## MECHANICAL SPECIFICATION

RoHS



### NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA,  
FLAMMABILITY RATING UL 94V-0  
CONTACTS: 30 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 PATENT PRODUCT. THE PATENT NUMBER ARE  
U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

ORIGINATED BY  
LI QUANKUN  
DATE 2015-01-02

### TITLE

gigabit MagJack®  
(Ultra Low Profile)  
PATENTED

PART NO. / DRAWING NO.  
L829-1X1T-43

FILE NAME  
L829-1X1T-43\_D.DWG

STANDARD DIM.  
TOL. IN INCH

.X

.XX

.XXX

[ ] METRIC DIM.  
AS REF.

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

REV. : D

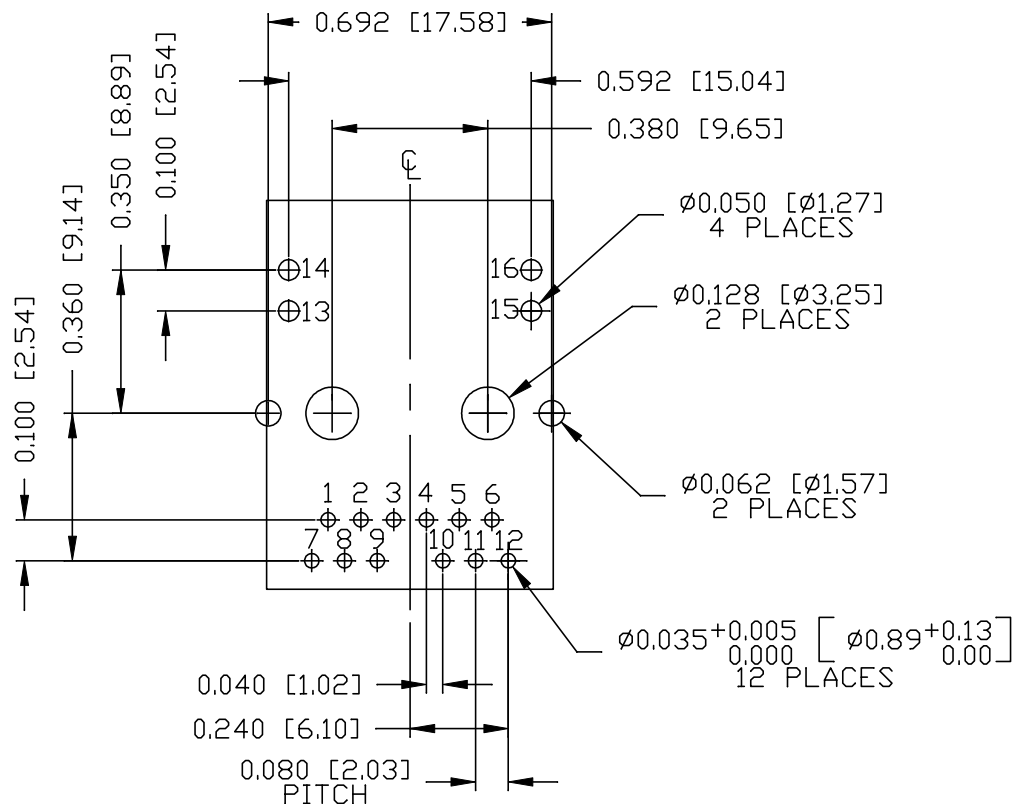
PAGE : 3





# RECOMMENDED PCB FOOTPRINT

## COMPONENT SIDE VIEW



ORIGINATED BY  
 LI QUANKUN  
 DATE 2015-01-02

DRAWN BY  
 ZHANG XUEZHENG  
 DATE 2015-01-02

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 (Ultra Low Profile)  
 PATENTED

PART NO. / DRAWING NO.  
 L829-1X1T-43

FILE NAME  
 L829-1X1T-43\_D.DWG

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

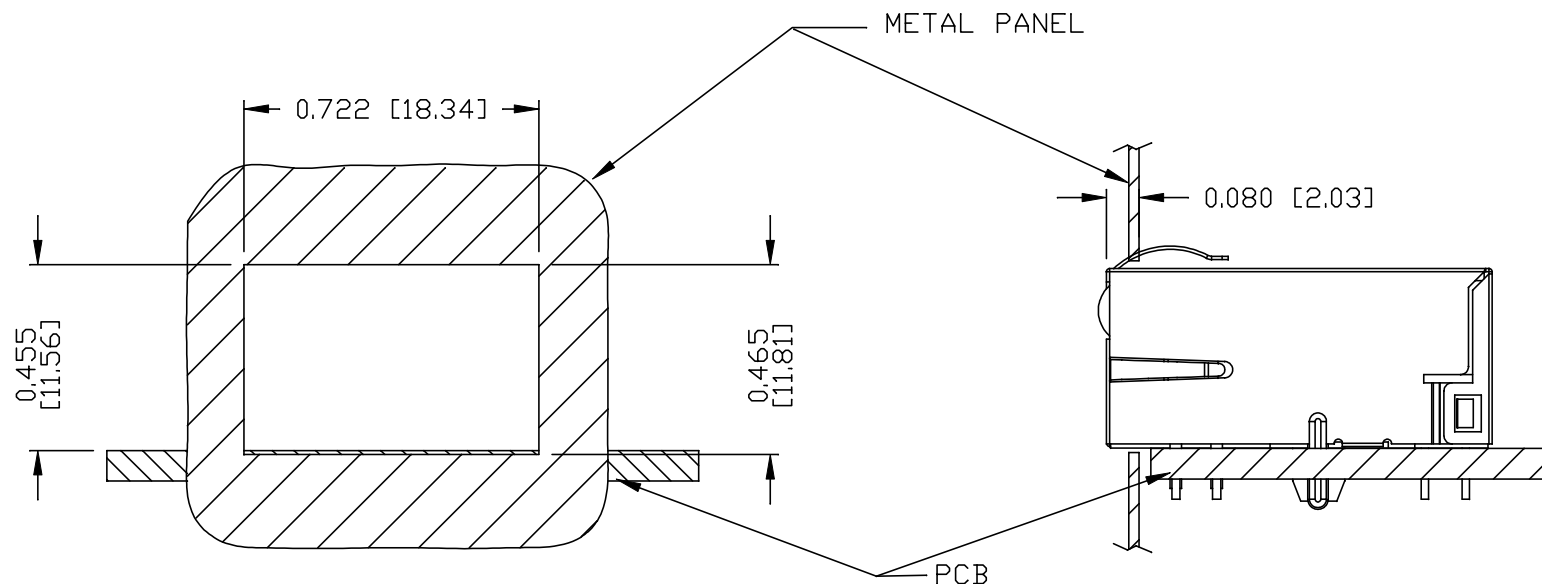


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# SUGGESTED PANEL OPENING



## 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.

## TRAY PACKING INFORMATION


PACKING TRAY : 0200-9999-E4 (TOP)


0200-9999-E5 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY

11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX  
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

REV. : D	PAGE : 5
	
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ORIGINATED BY LI QUANKUN DATE 2015-01-02  DRAWN BY ZHANG XUEZHENG DATE 2015-01-02	TITLE  gigabit MagJack® (Ultra Low Profile)  PATENTED	PART NO. / DRAWING NO.  L829-1X1T-43	STANDARD DIM.		[ ] METRIC DIM.	
		FILE NAME  L829-1X1T-43_D.DWG	TOL. IN INCH		AS REF.	
			.X		UNIT : INCH [mm]	
			.XX		SCALE : N/A	
			.XXX	±0.005		SIZE : A4