

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

## ELECTRICAL CHARACTERISTICS @ 25°C

### URNS RATIO

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

### DCL @ 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

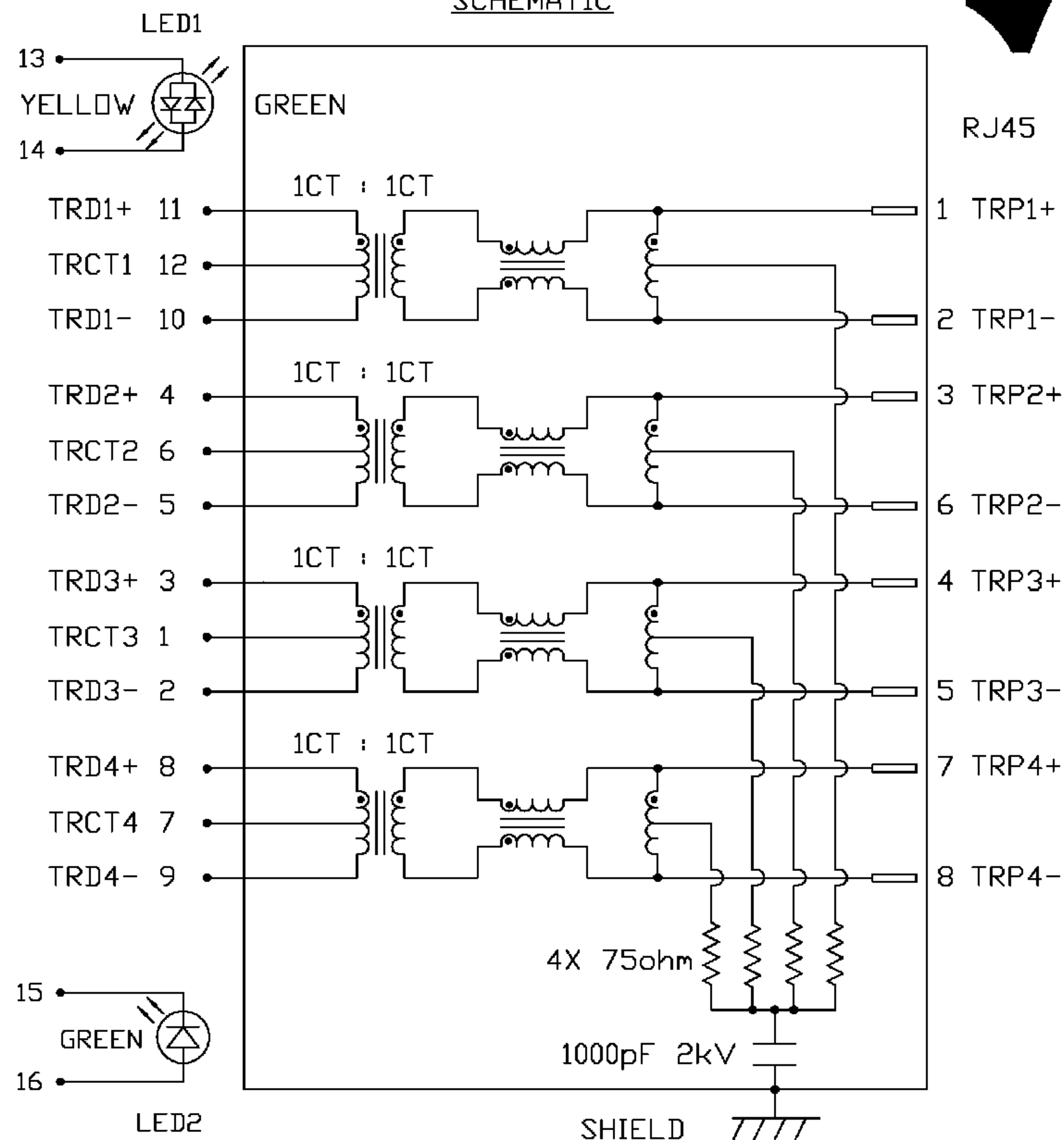
### LED 1

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
	IF=20mA	YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
	IF=20mA	YELLOW	590nm TYP.

### LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.

## SCHEMATIC



RJ45

1 TRP1+

2 TRP1-

3 TRP2+

6 TRP2-

4 TRP3+

5 TRP3-

7 TRP4+

8 TRP4-

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE
CHUNG	08-18-06	gigabit MagJack® (12 cores, Tab Up) 0826-1L1T-23-F	08261L1T23-F	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.X	REV. : B
DE	08-18-06		08261L1T23-FB.DWG	.XX	SCALE : N/A
				.XXX	SIZE : A4
					PAGE : 2

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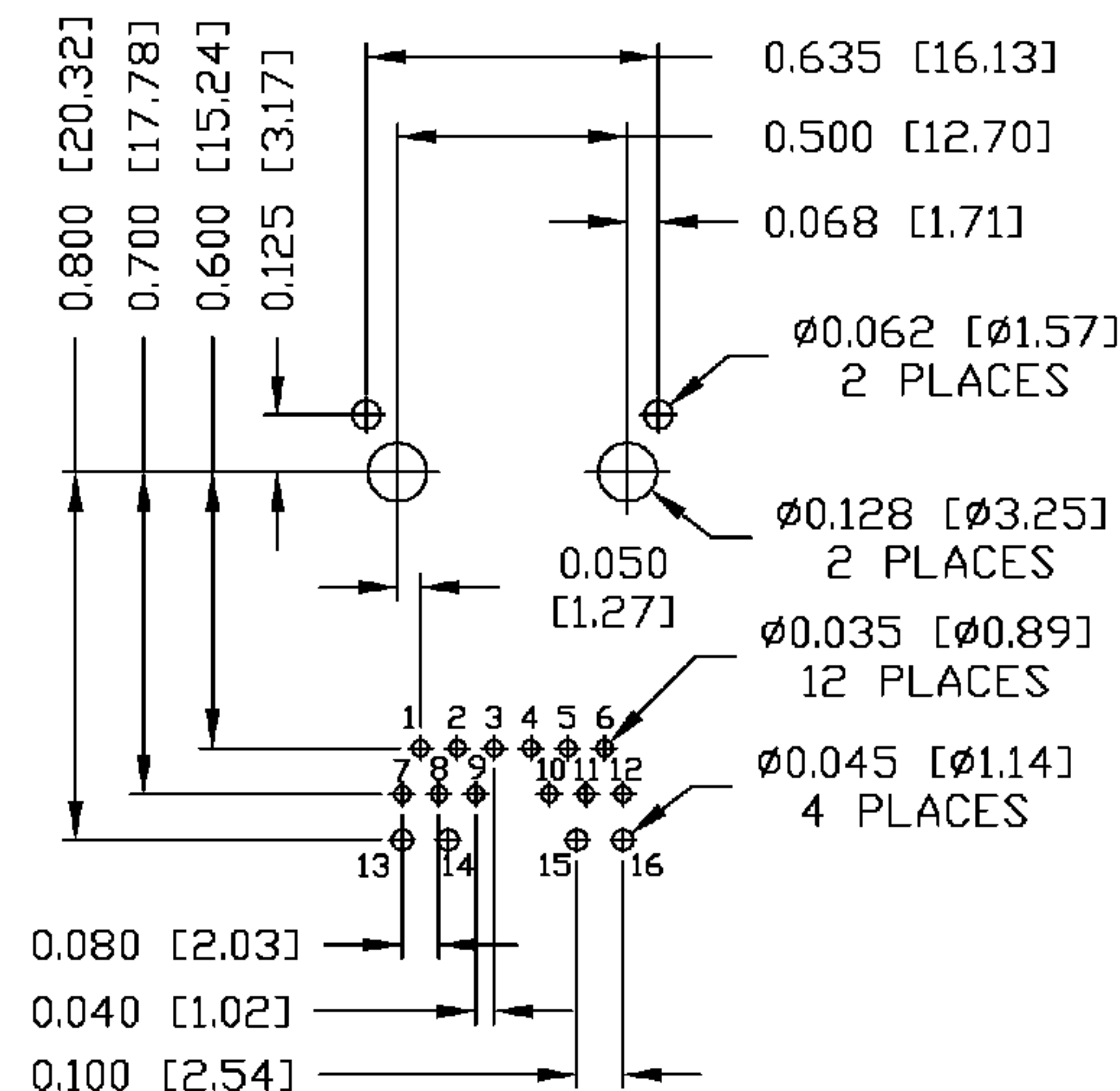
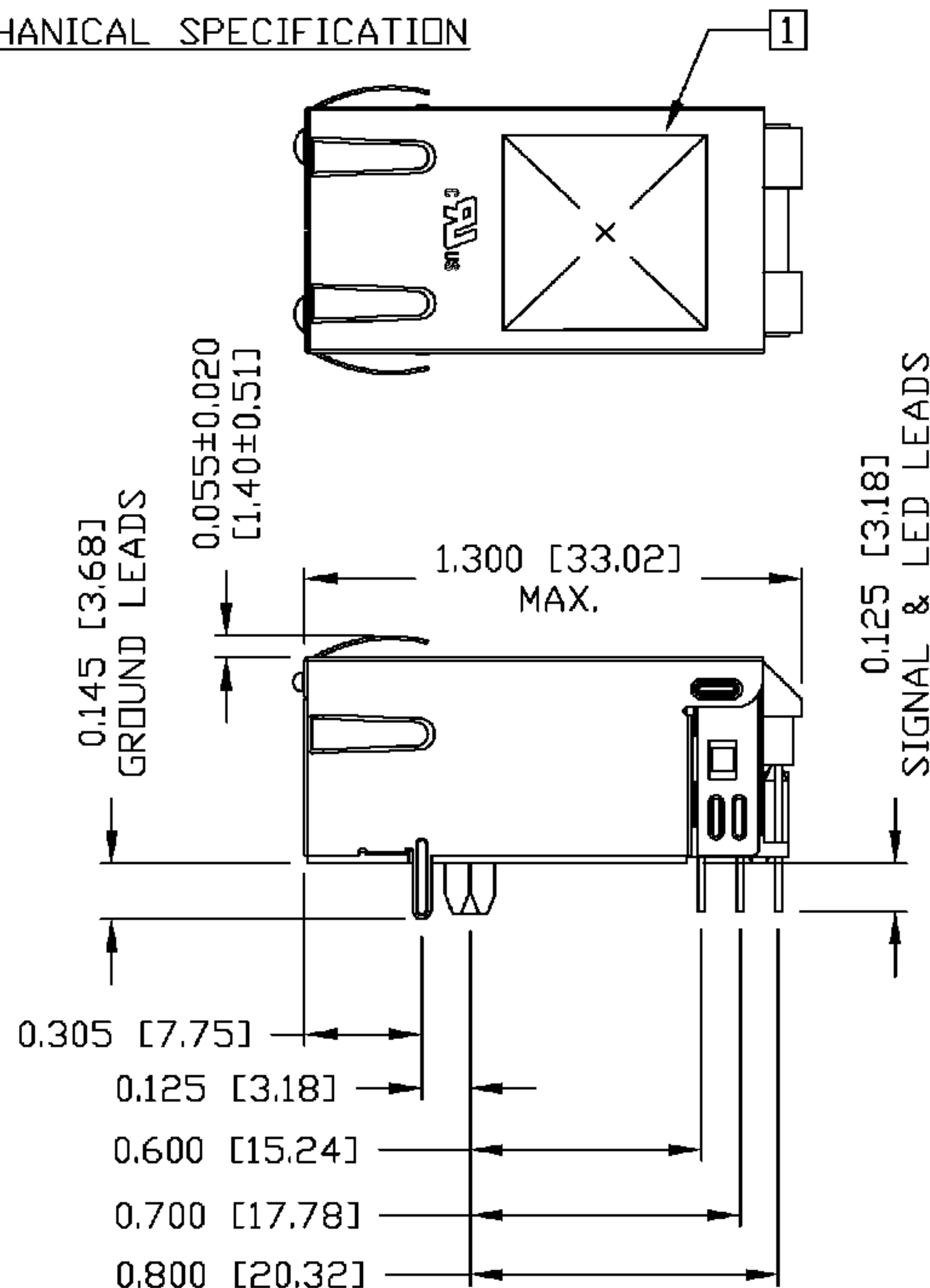
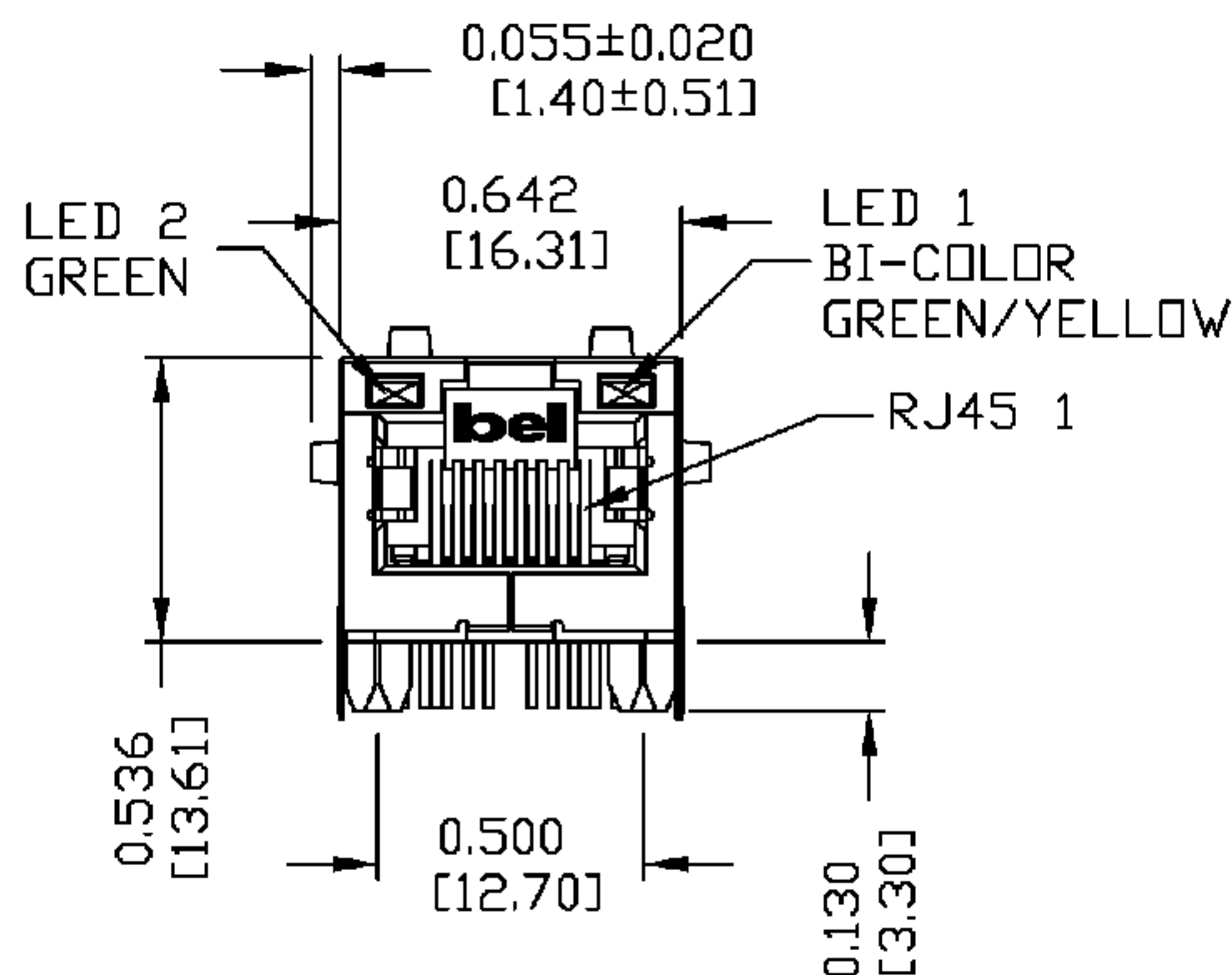
## MECHANICAL SPECIFICATION

RoHS  
2002/95/EC



## RECOMMENDED PCB FOOTPRINT

### COMPONENT SIDE VIEW



### NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA 4/6  
 FLAMMABILITY RATING UL 94V-0  
 CONTACTS: 50 MICRO-INCH HARD GOLD PLATING  
 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 AND DATE CODE.

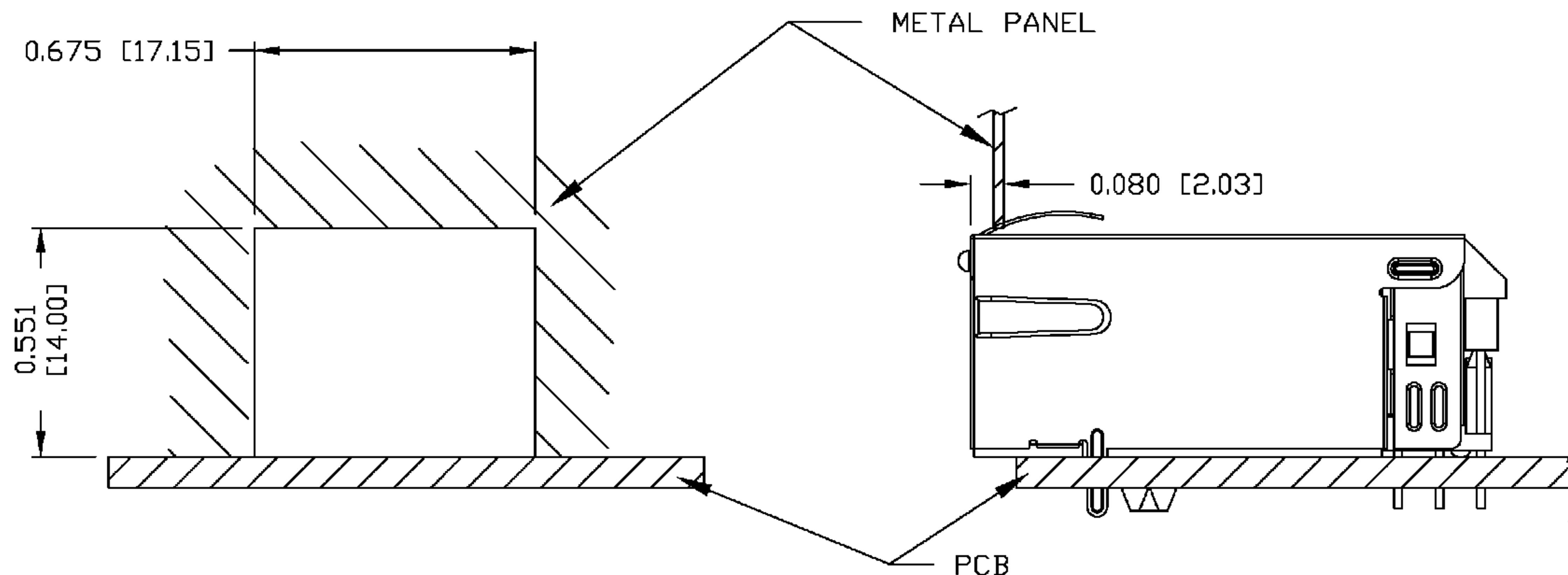
**UL** UL RECOGNIZED - FILE #E196366 AND E169987.

2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC  
 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
QIN	08-18-06	gigabit MagJack® (12 cores, Tab Up)	08261L1T23-F	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	0826-1L1T-23-F	FILE NAME	.XX	SCALE : N/A SIZE : A4
TING	08-18-06		08261L1T23-FB.DWG	.XXX ±0.010	PAGE : 3

**bel**  
COMPONENTS FOR A  
CONNECTED  
PLANET

# 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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	
QIN	08-18-06	gigabit MagJack® (12 cores, Tab Up) 0826-1L1T-23-F	08261L1T23-F	.X	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
TING	08-18-06		08261L1T23-FB.DWG	.XXX ±0.004	⊕	PAGE : 4

# Mouser Electronics

Authorized Distributor

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Bel:

0826-1L1T-23-F