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RoHS  
2002/95/EC



SCHEMATIC

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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

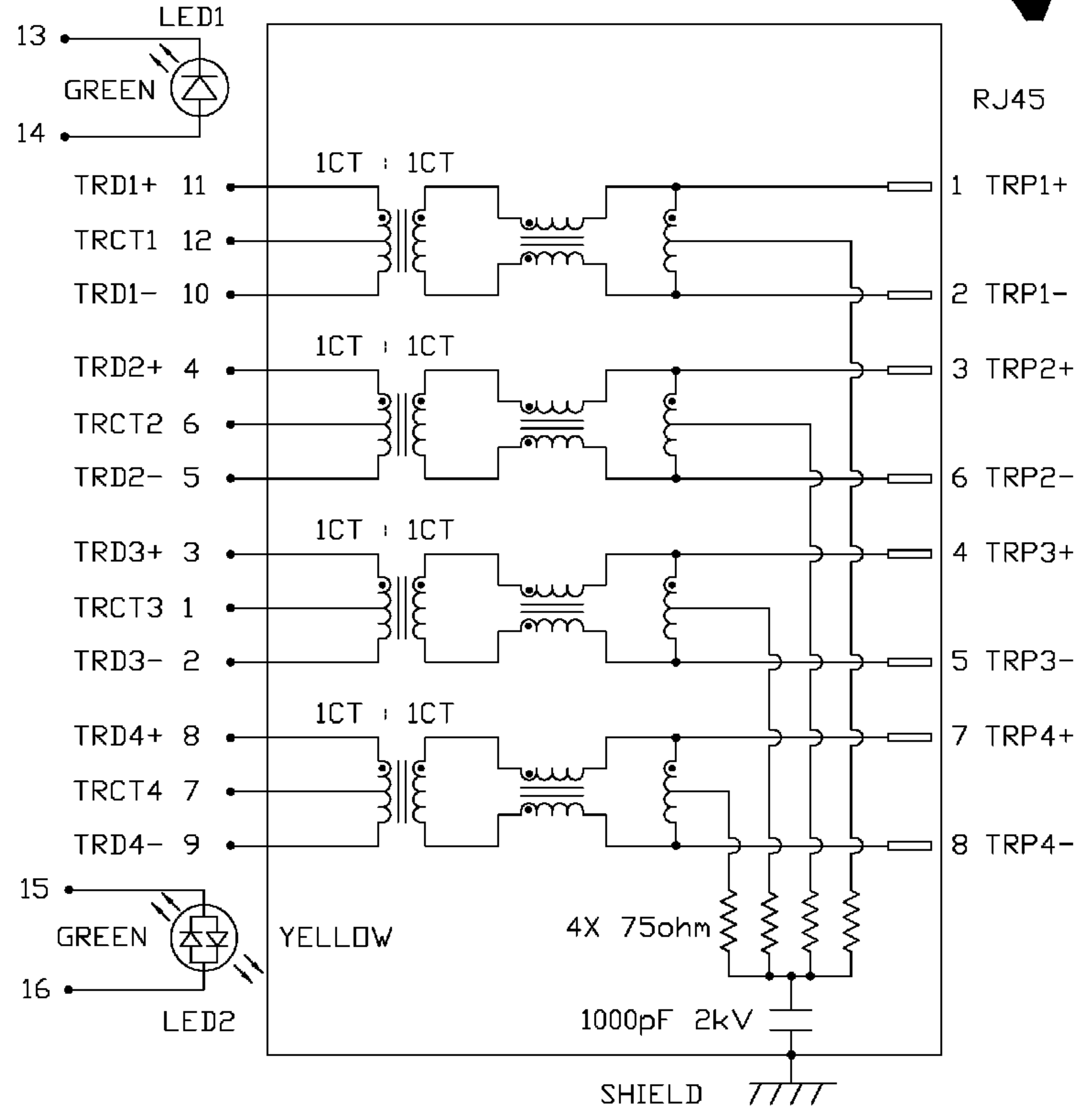
TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%
QCL @ 100kHz/100mVRMS 8mA DC BIAS	350µH MIN.
INS. LOSS	
0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX
RET. LOSS (MIN)	
0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB
CM TO CM REJ	
100kHz - 100MHz	-30 dB MIN
CM TO DM REJ	
100kHz - 100MHz	-35 dB MIN
HIPOT (Isolation Voltage)	1500 Vrms or 2250VDC

LED 1

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

LED 2

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



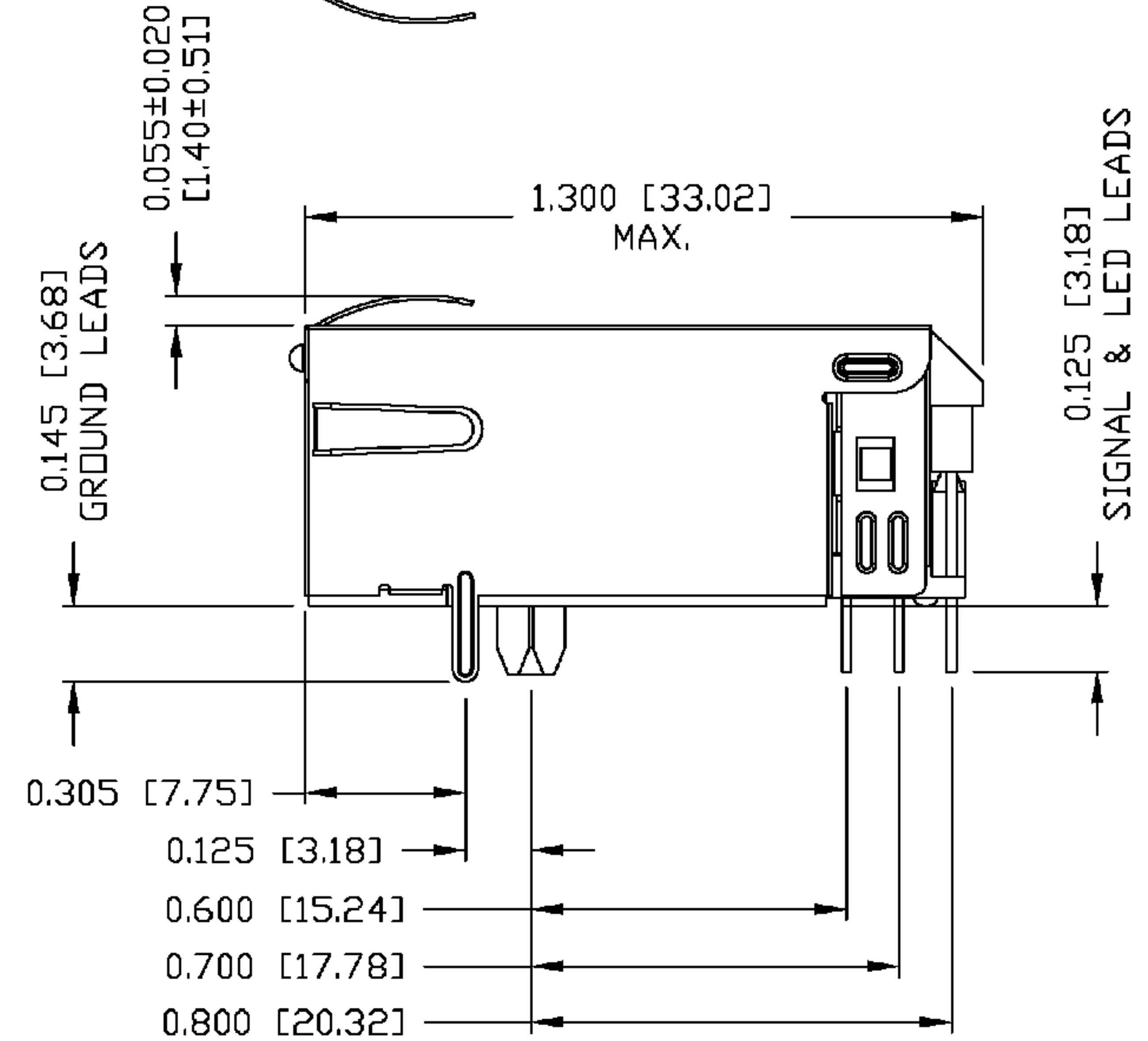
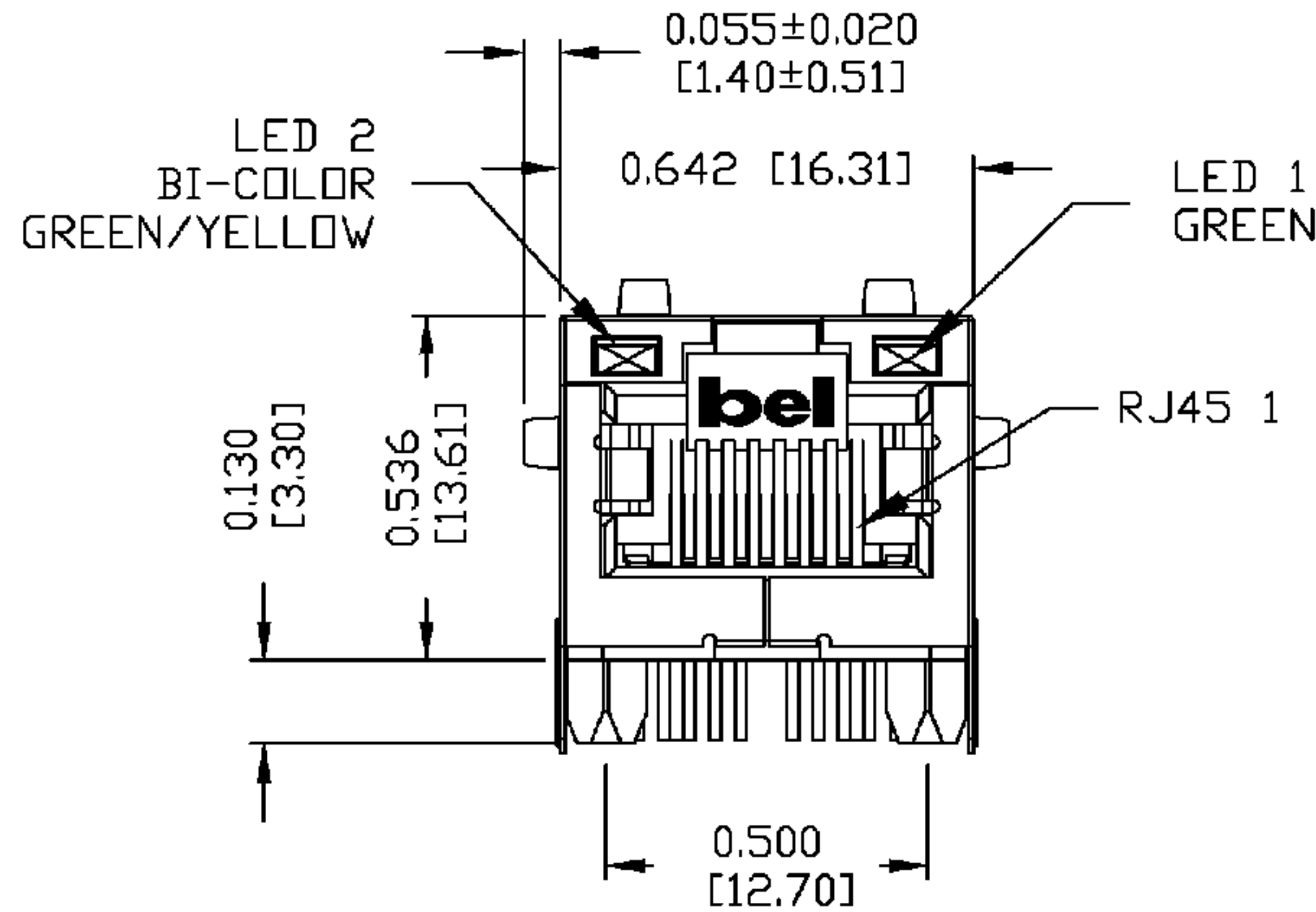
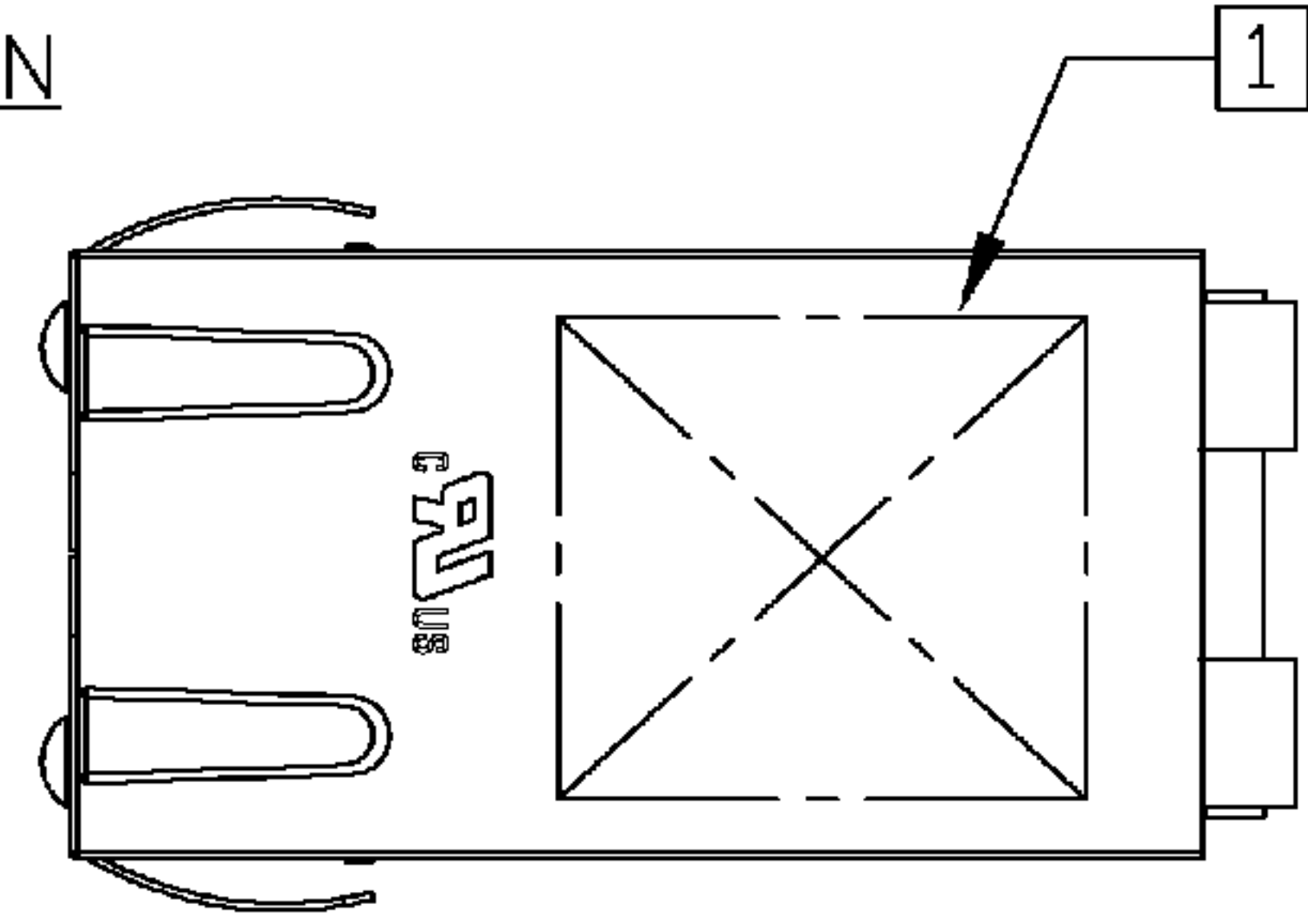
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
CHUNG	08-18-06	gigabit MagJack® (12 cores, Tab Up)	08261K1T23-F	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DE	08-18-06	0826-1K1T-23-F	08261K1T23-FB.DWG	.XXX	PAGE : 2



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# MECHANICAL SPECIFICATION

**RoHS**  
2002/95/EC



ORIGINATED BY QIN	DATE 08-18-06	TITLE gigabit MagJack® (12 cores, Tab Up) 0826-1K1T-23-F	PART NO. / DRAWING NO. 08261K1T23-F		STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY TING	DATE 08-18-06		FILE NAME 08261K1T23-FB.DWG	.X		UNIT : INCH [mm]	REV. : B		
			.XX		SCALE : N/A	SIZE : A4			
			.XXX	±0.010		PAGE : 3			

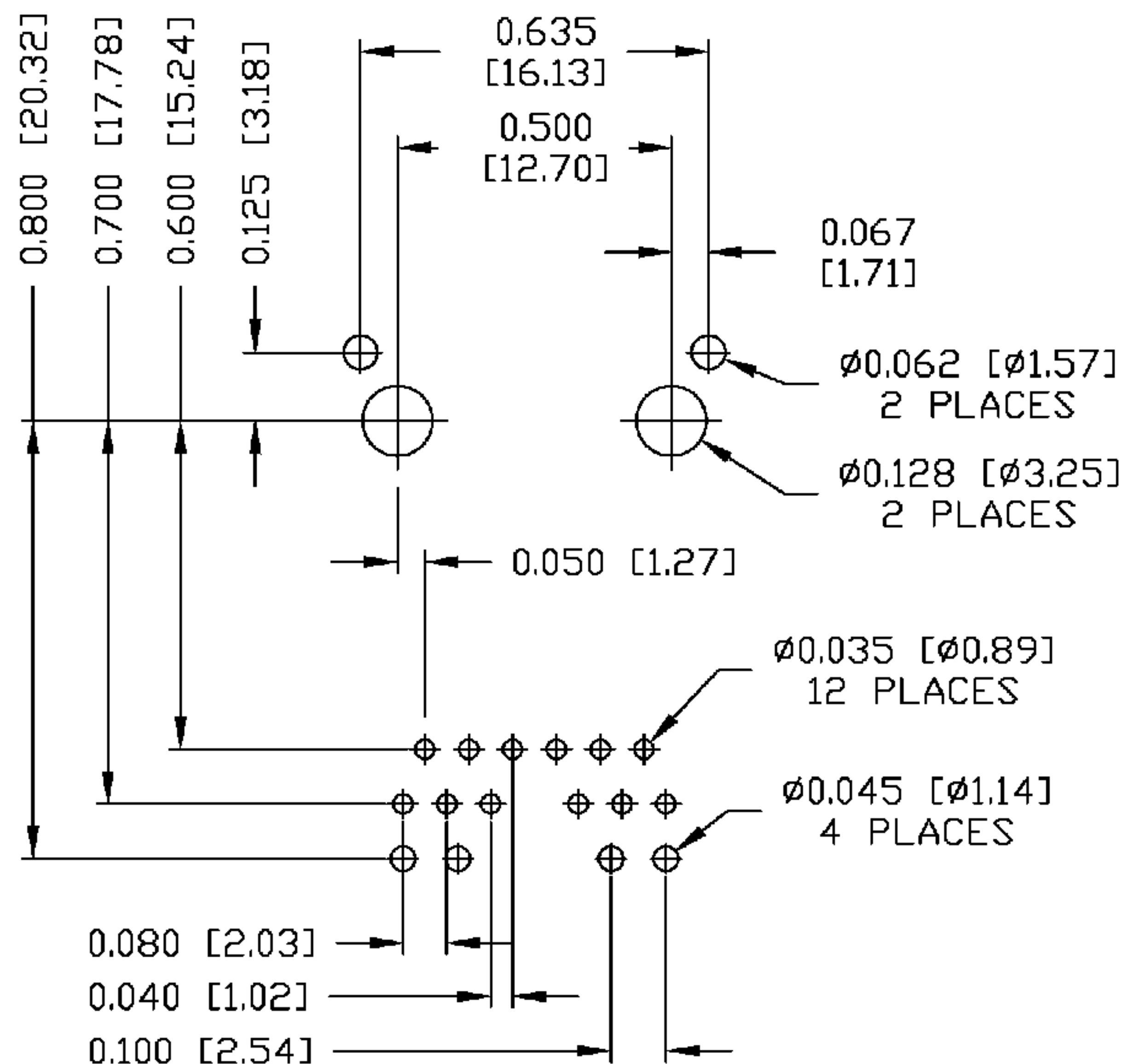
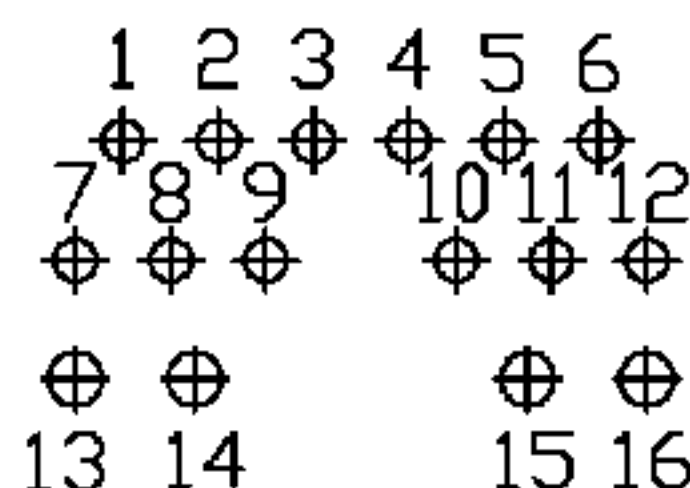
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RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW

PINS ASSIGNMENT



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 RECOGNIZED - FILE #E196366 AND E169987.

2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

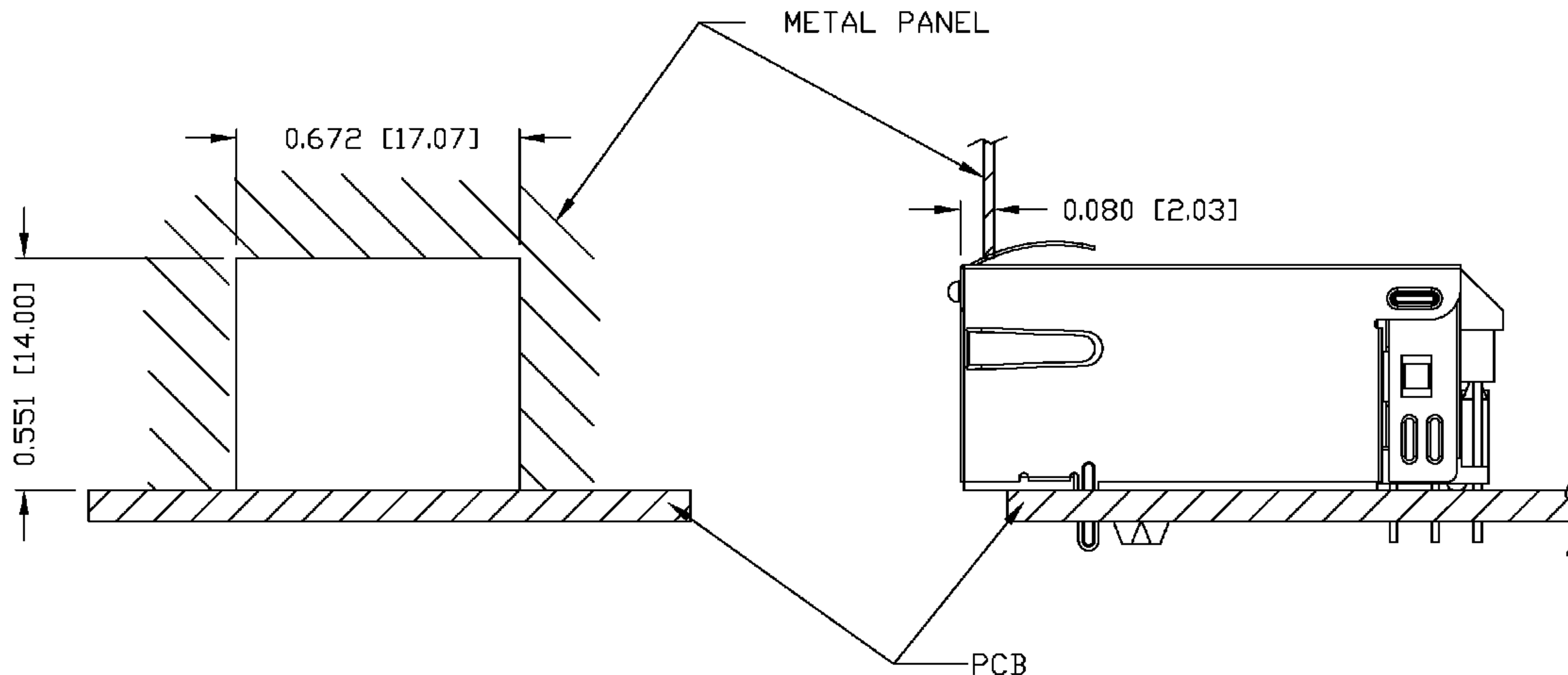
ORIGINATED BY QIN	DATE 08-18-06	TITLE glgabit MagJack® (12 cores, Tab Up)	PART NO. / DRAWING NO. 08261K1T23-F	STANDARD DIM. TOL. IN INCH .X	[ ] METRIC DIM. AS REFERENCE UNIT : INCH [mm]	REV. : B
DRAWN BY TING	DATE 08-18-06		FILE NAME 08261K1T23-FB.DWG	.XX	SCALE : N/A	SIZE : A4
				.XXX ±0.004		PAGE : 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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DRAWN BY TING	DATE 08-18-06		FILE NAME 08261K1T23-FB.DWG	.X	UNIT : INCH [mm]	REV. : B
				.XX	SCALE : N/A	SIZE : A4
				.XXX ±0.004	⊕	PAGE : 5



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[0826-1K1T-23-F](#)