

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY

RoHS
2002/95/EC

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

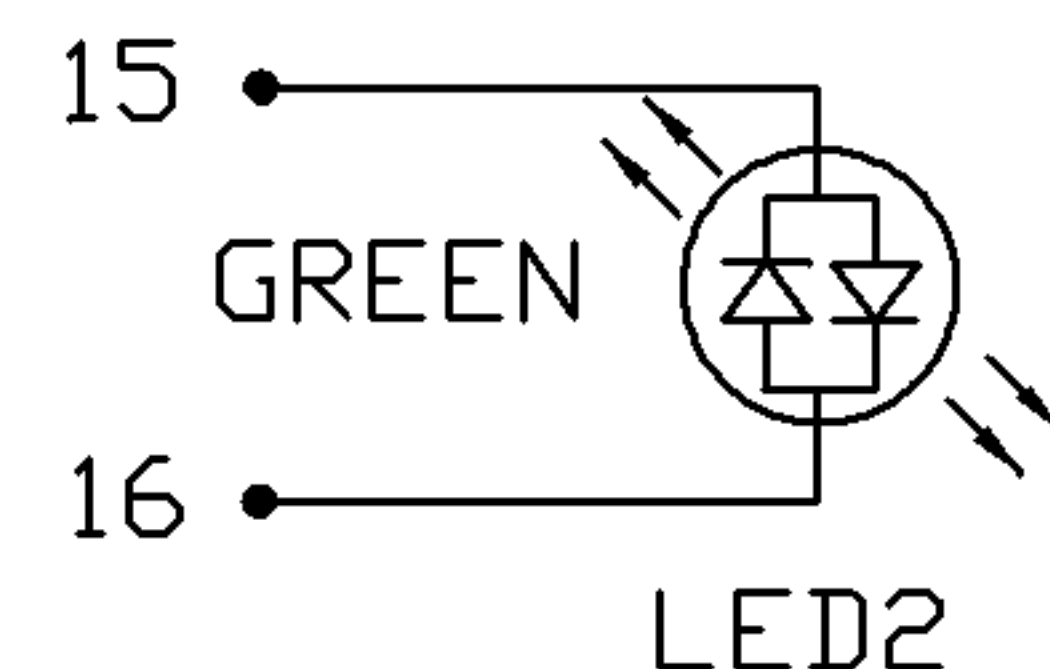
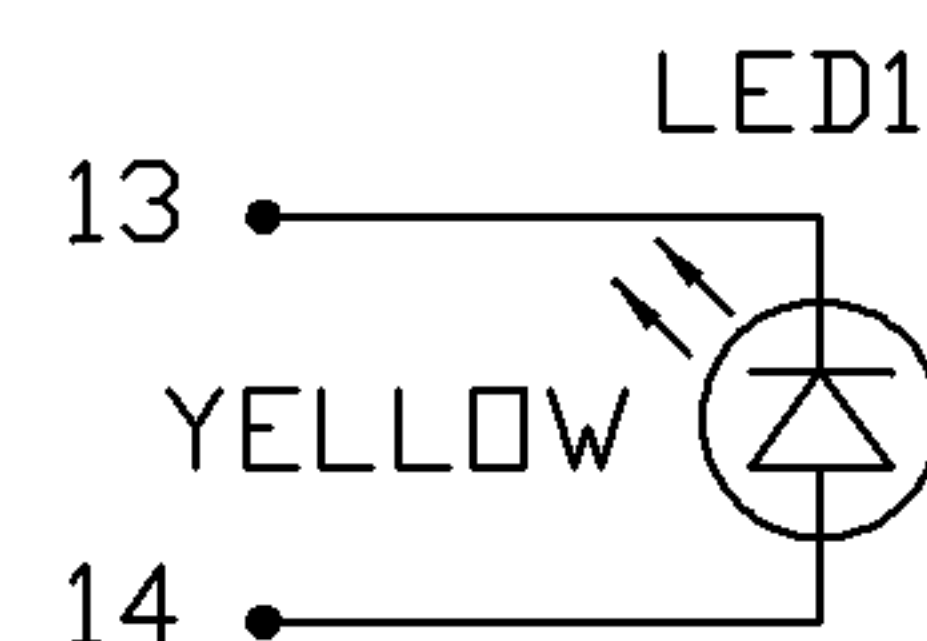
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1

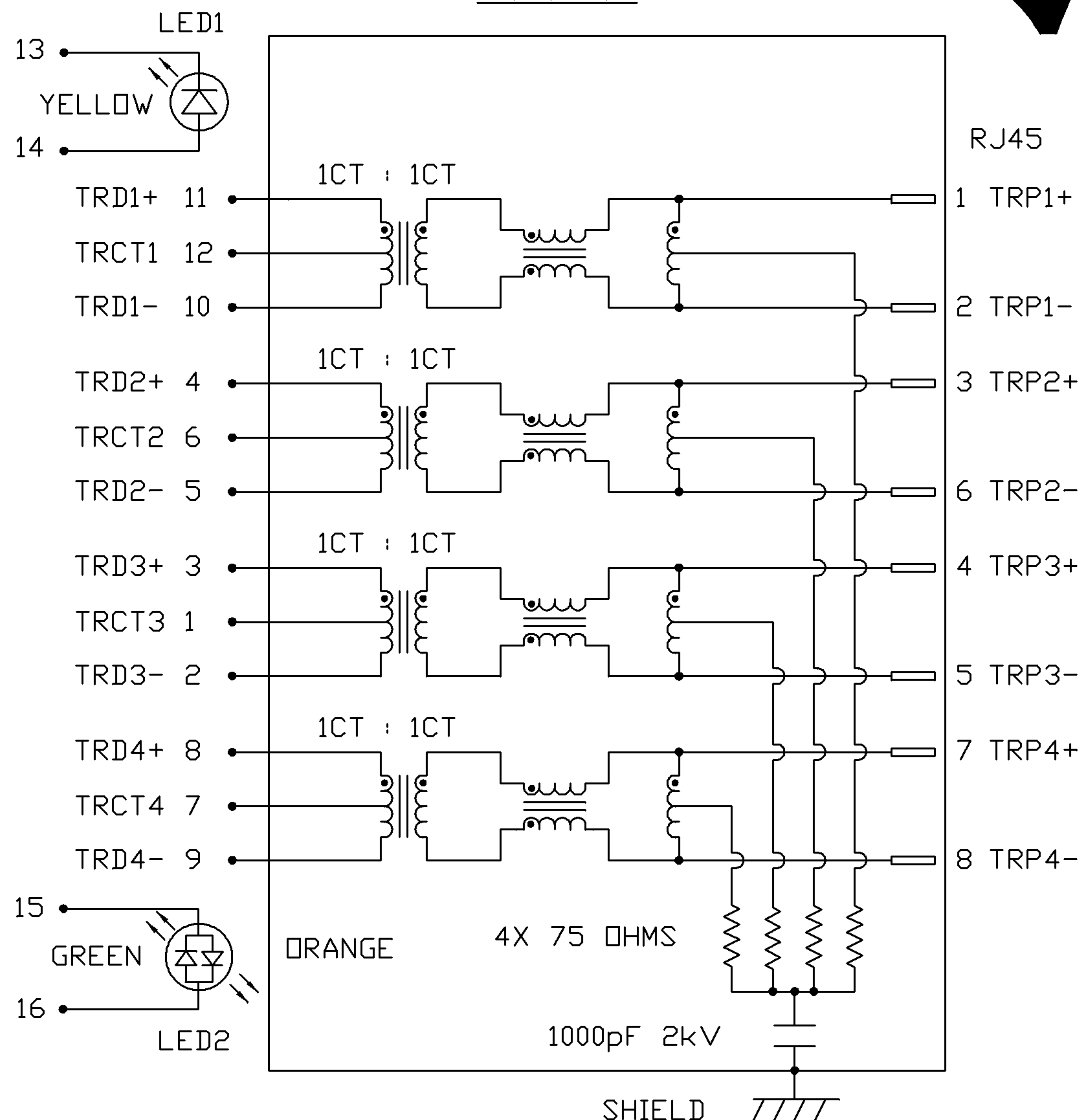
V _F (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λ _D (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.

LED 2

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



SCHEMATIC

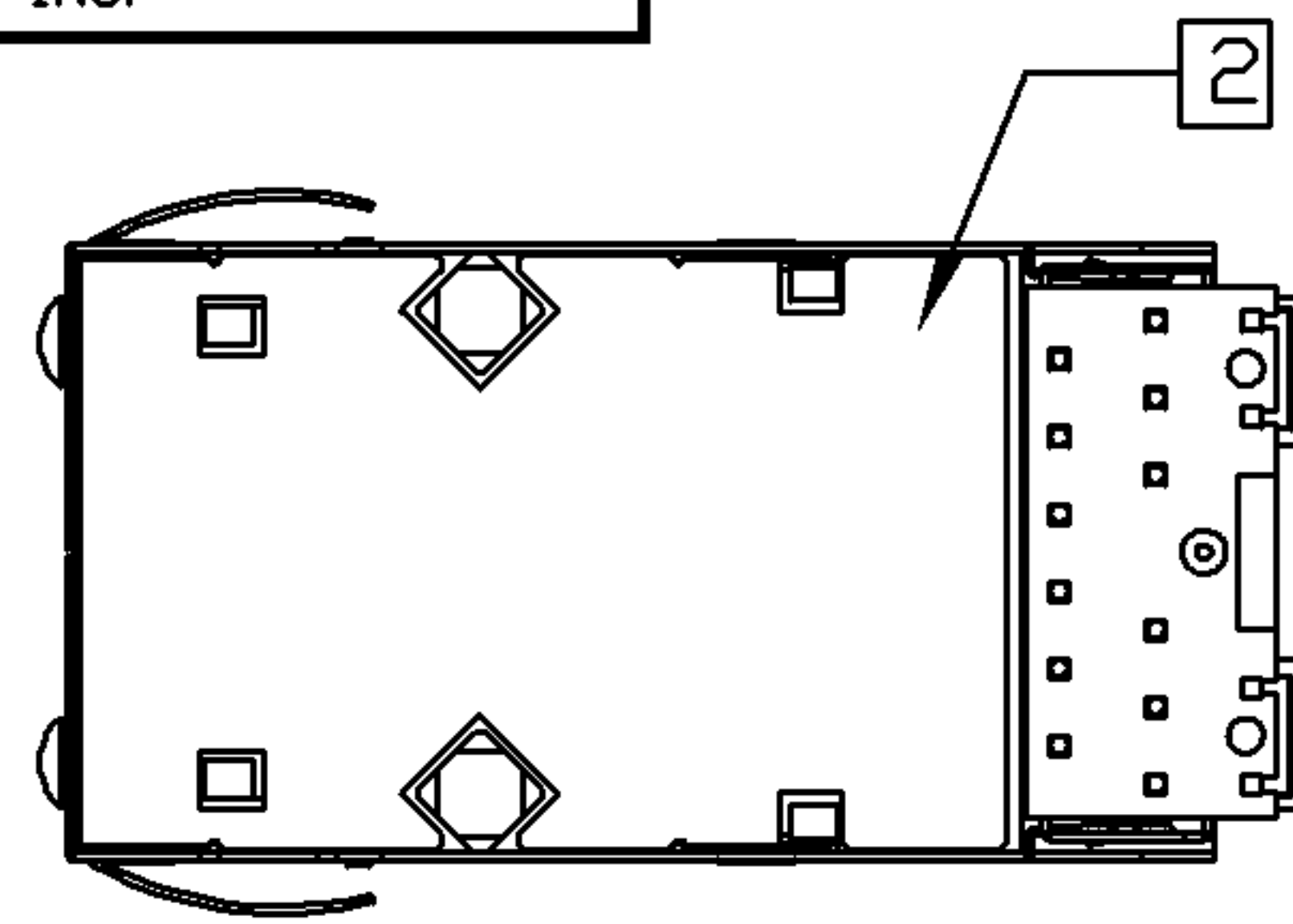


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PC
WCCHOW	08-01-08	gigabit MagJack® (12 cores, Tab Up) 0826-1X1E-23-F	08261X1E23-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 2
WEIDE LEE	08-01-08			.XXX			

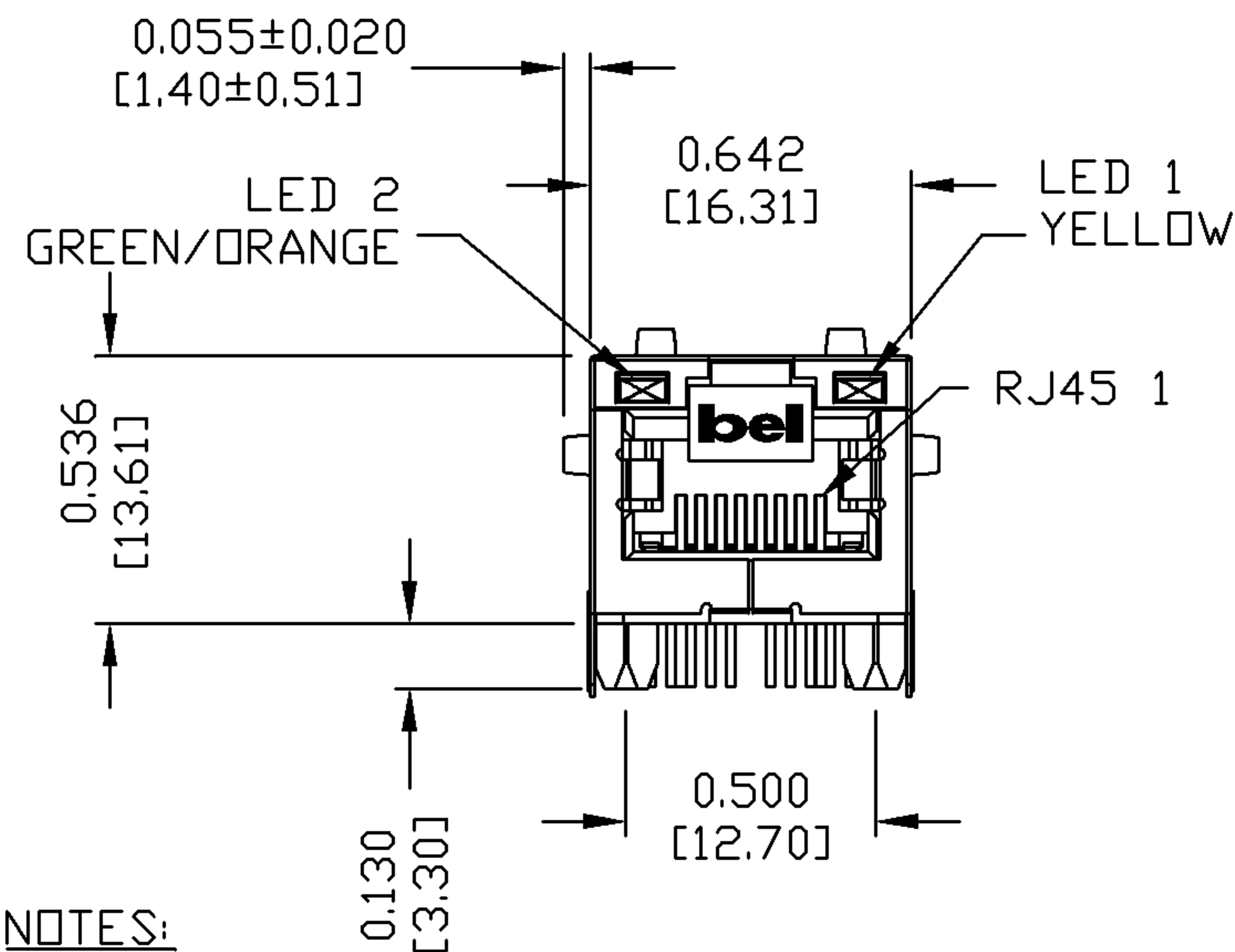
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MECHANICAL SPECIFICATION

PRELIMINARY

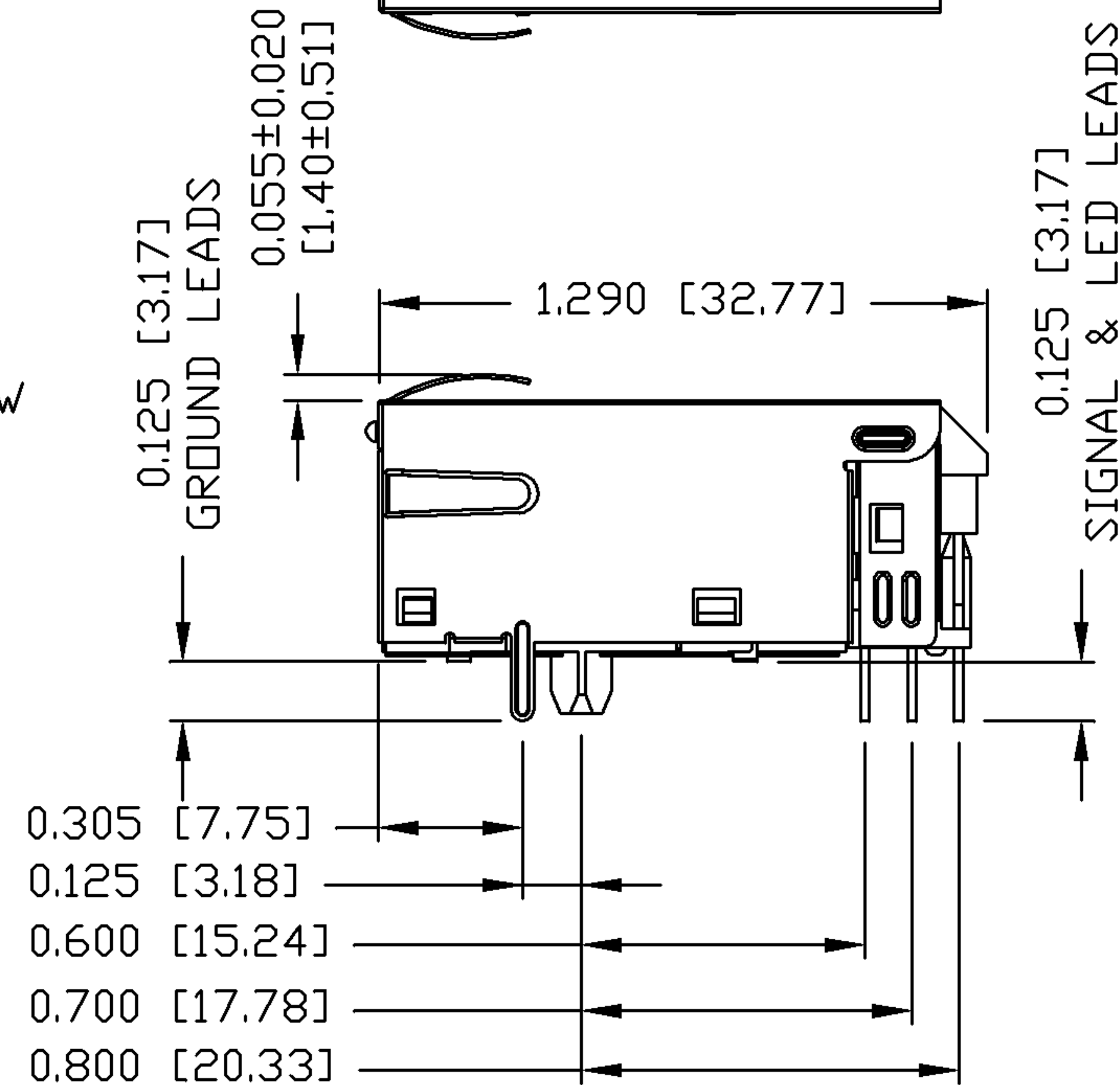
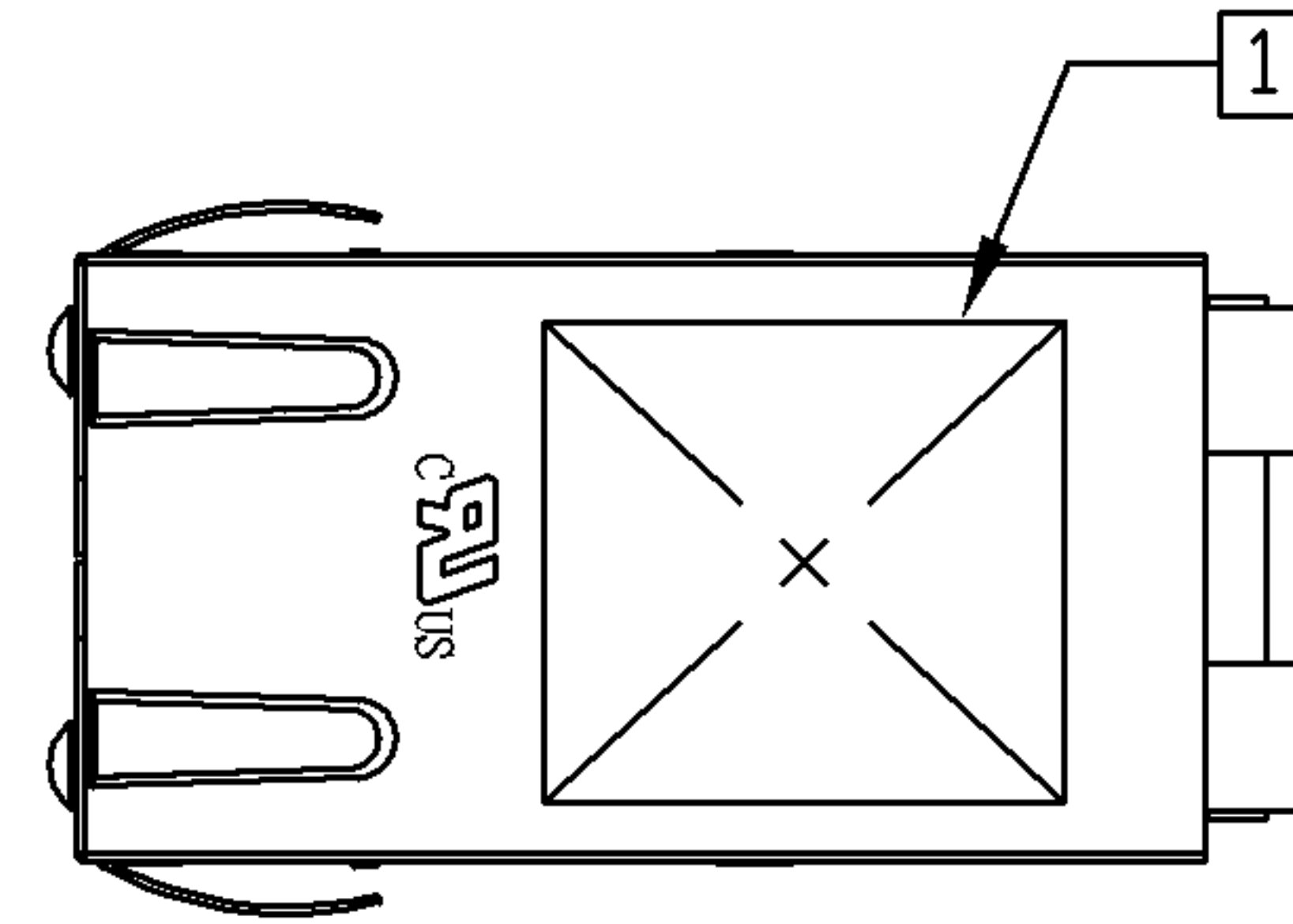


BOTTOM VIEW

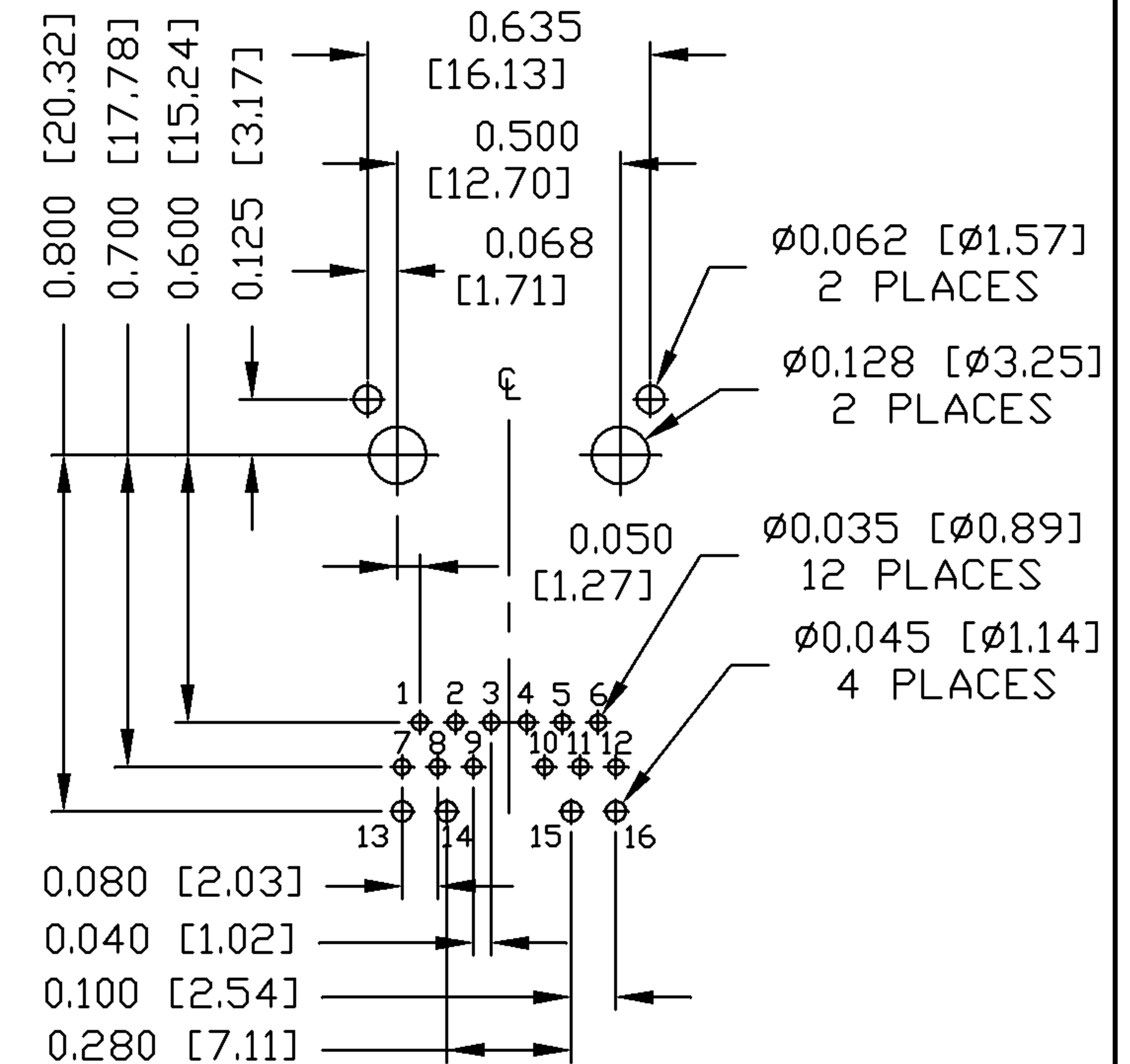


NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA
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)



RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



[1] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.



UL US UL RECOGNIZED - FILE #E196366 AND E169987.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

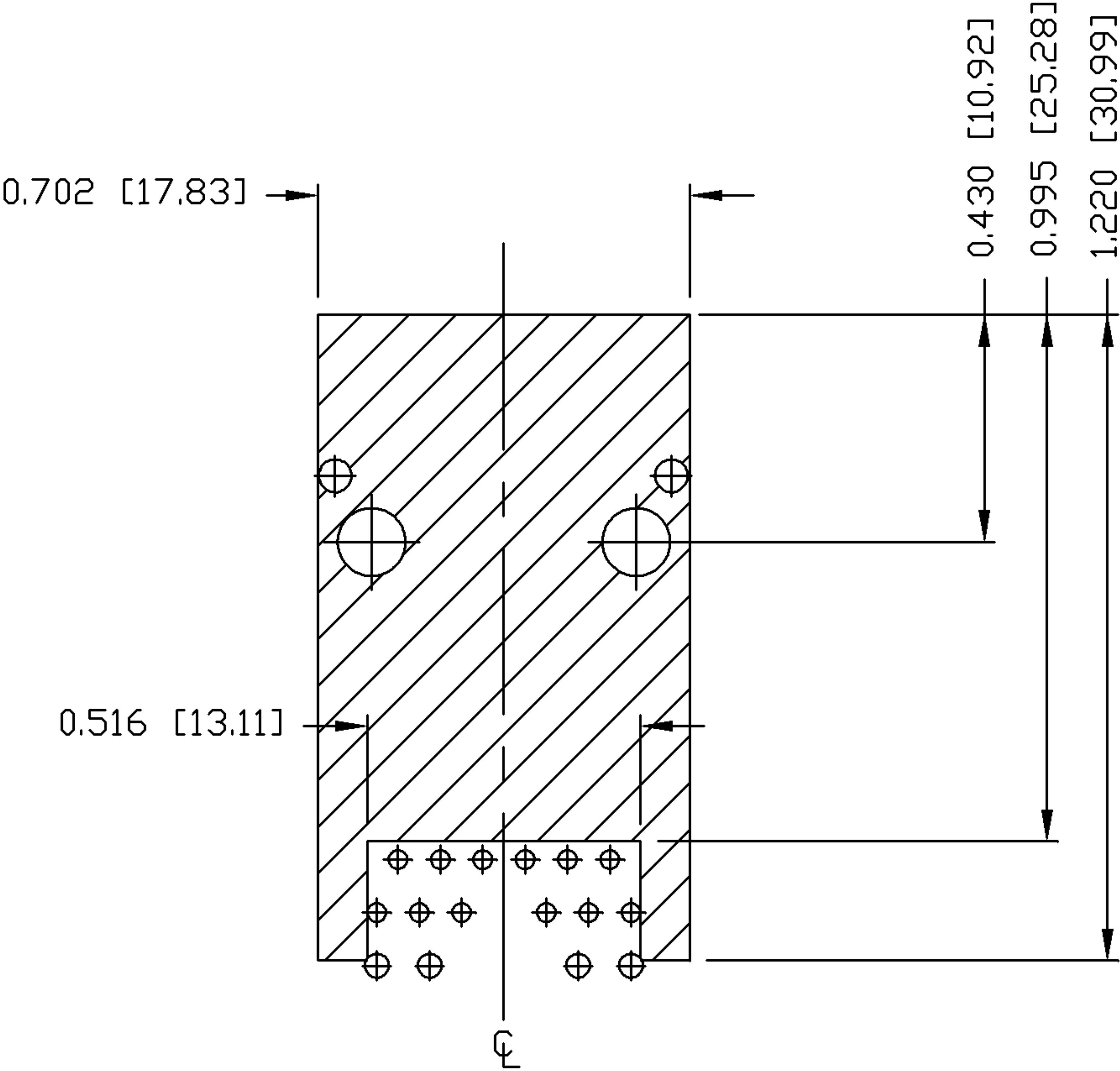
[2] THERE IS A BOTTOM SHIELD COVER THE BOTTOM OF PRODUCT.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ZX HUANG	08-01-08	gigabit MagJack® (12 cores, Tab Up) 0826-1X1E-23-F	08261X1E23-F FILE NAME 08261X1E23-F_PC.DWG	.X	UNIT : INCH [mm]
DRAWN BY	DATE			.XX	SCALE : N/A
BL CHEN	08-01-08			.XXX ±0.010	REV. : PC SIZE : A4 PAGE : 3



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PRELIMINARY



NOTES

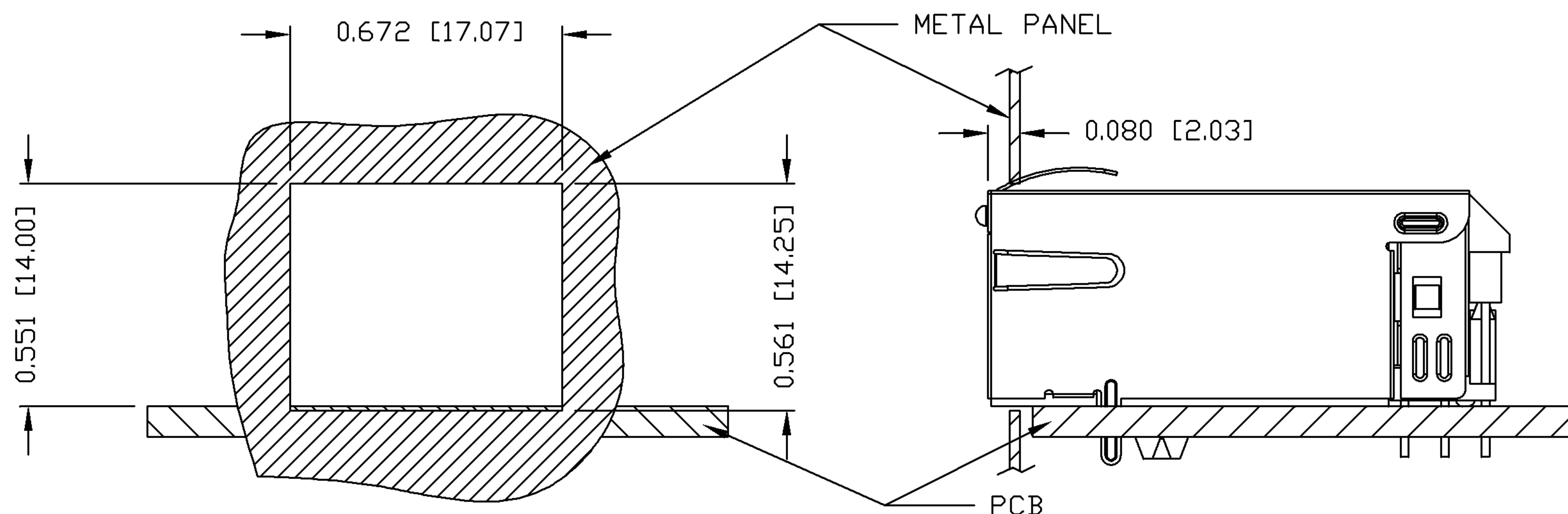
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY ZX HUANG	DATE 08-01-08	TITLE gigabit MagJack® (12 cores, Tab Up) 0826-1X1E-23-F	PART NO. / DRAWING NO. 08261X1E23-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
			FILE NAME 08261X1E23-F_PC.DWG		.X		UNIT : INCH [mm]	REV. : PC	
					.XX		SCALE : N/A	SIZE : A4	
DRAWN BY BL CHEN	DATE 08-01-08				.XXX	±0.004		PAGE : 4	



PRELIMINARY

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 : 0200M9999-D2 (TOP)
0200M9999-D3 (BOTTOM)

PACKING QUANTITY : 49 PCS FINISHED GOODS PER TRAY
10 TRAYS (490 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.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PC
ZX HUANG	08-01-08	gigabit MagJack® (12 cores, Tab Up) 0826-1X1E-23-F	08261X1E23-F FILE NAME 08261X1E23-F_PC.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 5
BL CHEN	08-01-08			.XXX	±0.004		