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PRELIMINARY

RoHS
2002/95/EC



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

QCL @ 100kHz/100mVRMS

8mA DC BIAS

INS. LOSS

0.1MHz TO 1MHz

350µH MIN.

1MHz TO 65MHz

-1.1 dB MAX

65MHz TO 100MHz

-0.5 dB MAX

100MHz TO 125MHz

-0.8 dB MAX

-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

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE:

-40 TO +85°C

LED 1

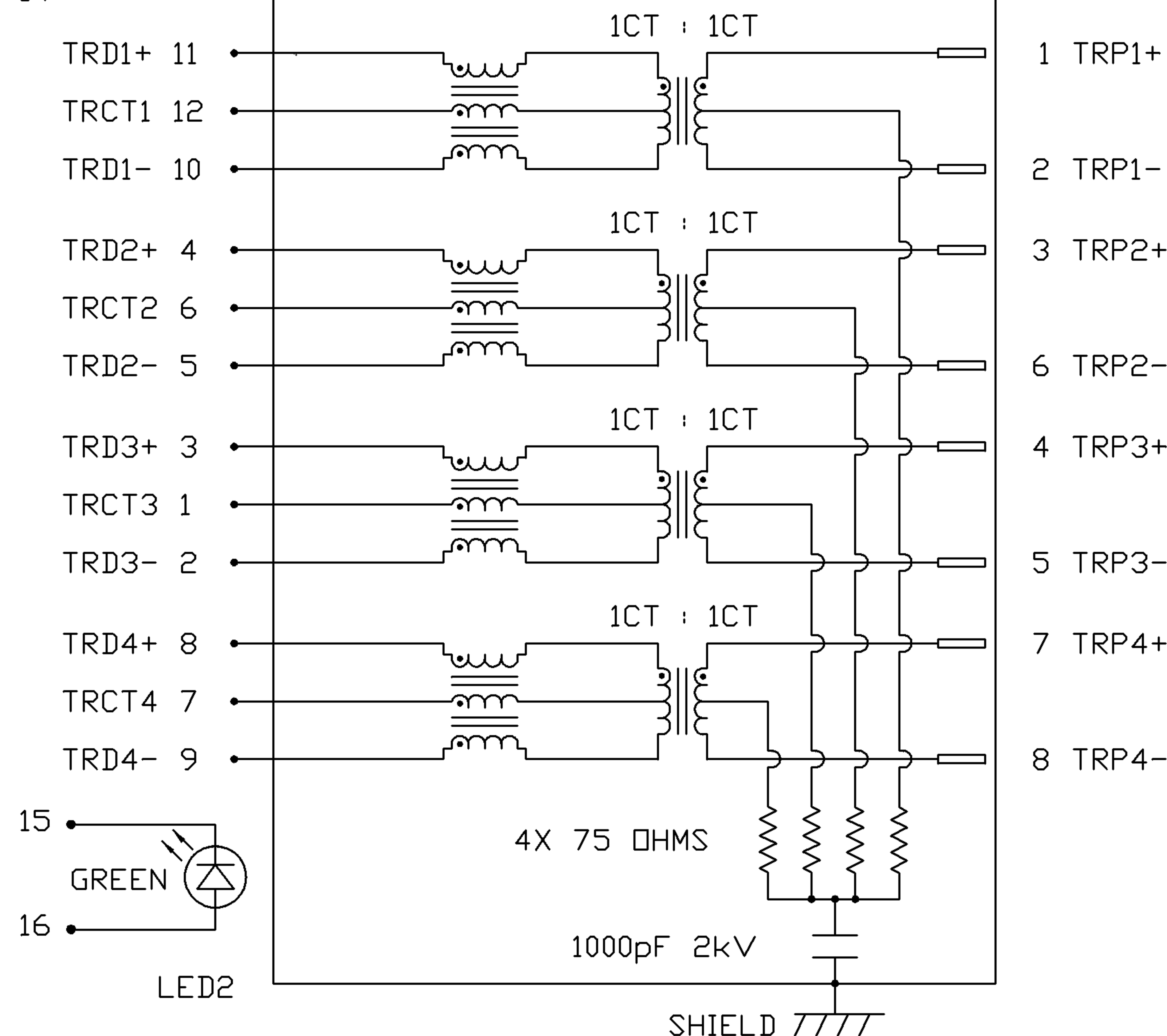
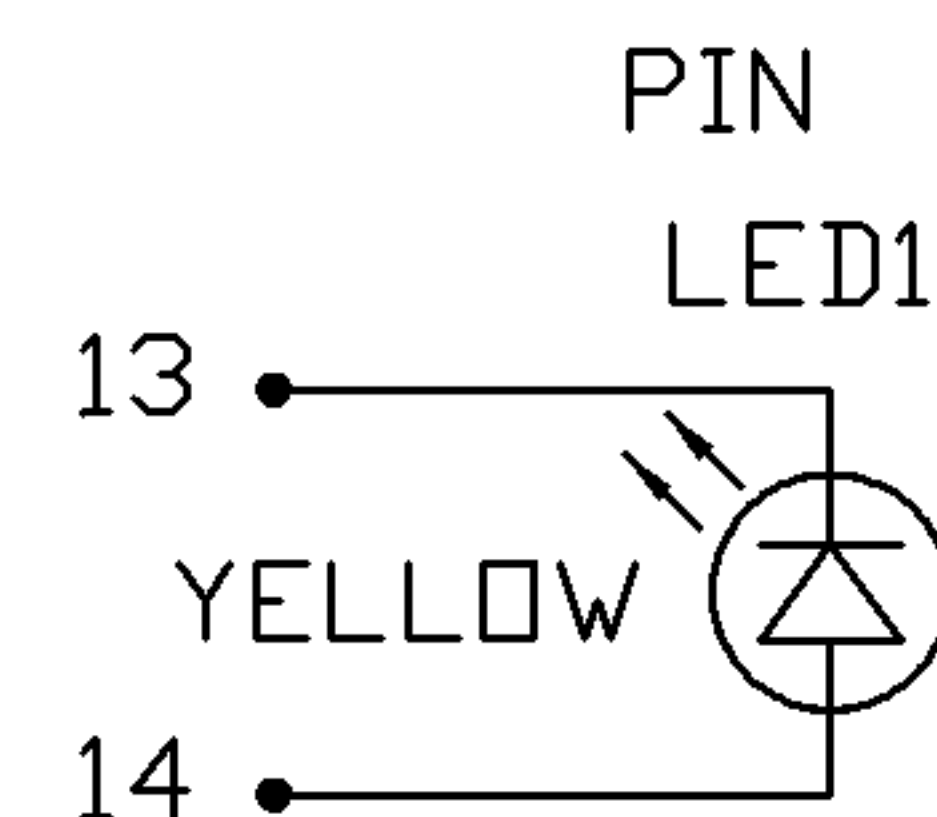
VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

LED 2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.



ORIGINATED BY	DATE	TITLE gigabit MagJack® (Extended Temperature and Ultra Low Profile)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET	
CHOW WANCHUNG	10-08-08		L869-1A1T-32	TOL. IN INCH			UNIT : INCH [mm]		REV. : PA
DRAWN BY	DATE		FILE NAME	.X			SCALE : N/A		SIZE : A4
LEE WEIDE	10-08-08		L869-1A1T-32_PA.DWG	.XX					PAGE : 2
				.XXX					



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MECHANICAL SPECIFICATION

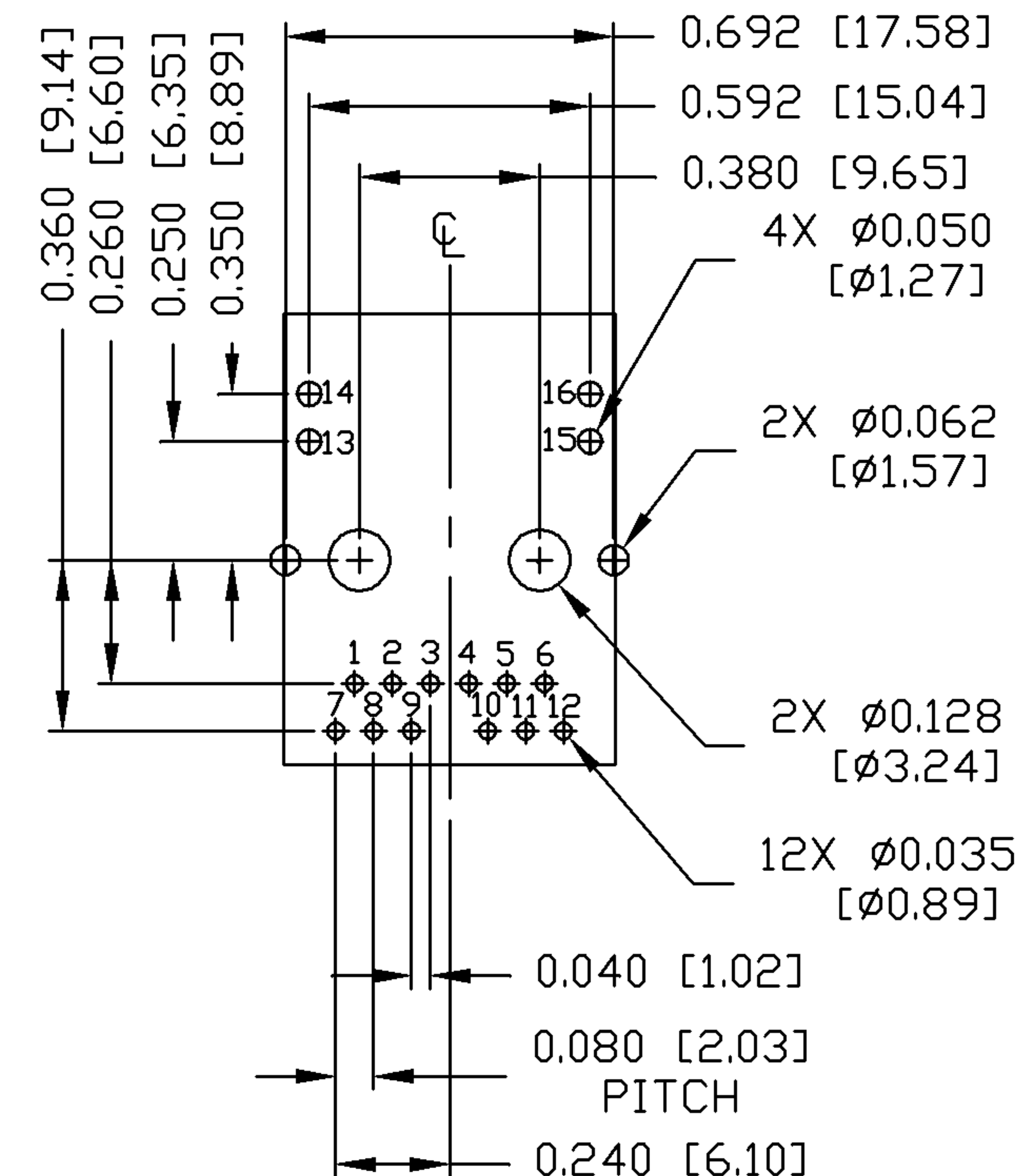
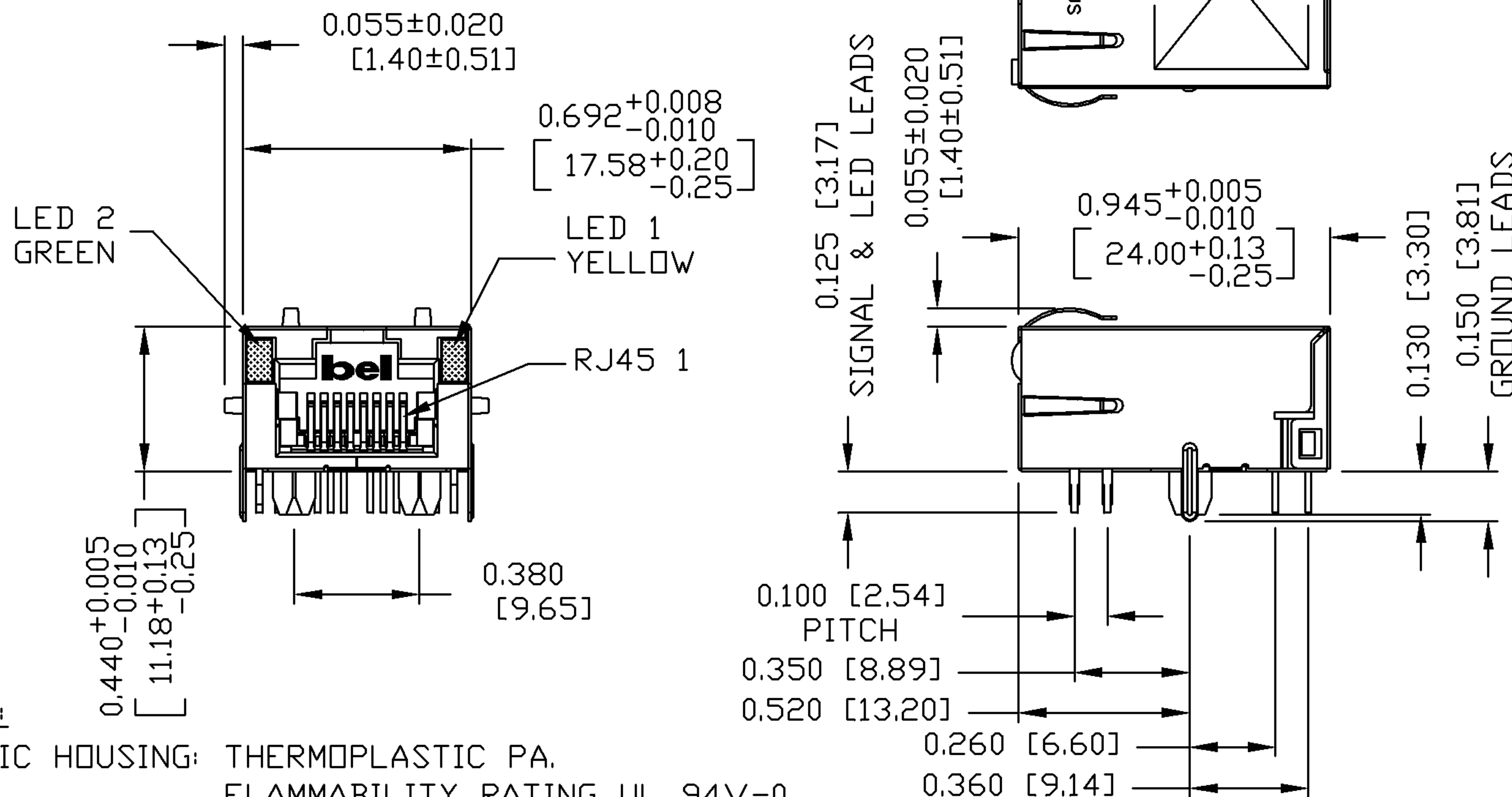
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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE 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)

1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER (L869-1A1T-32), AND DATE CODE.

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

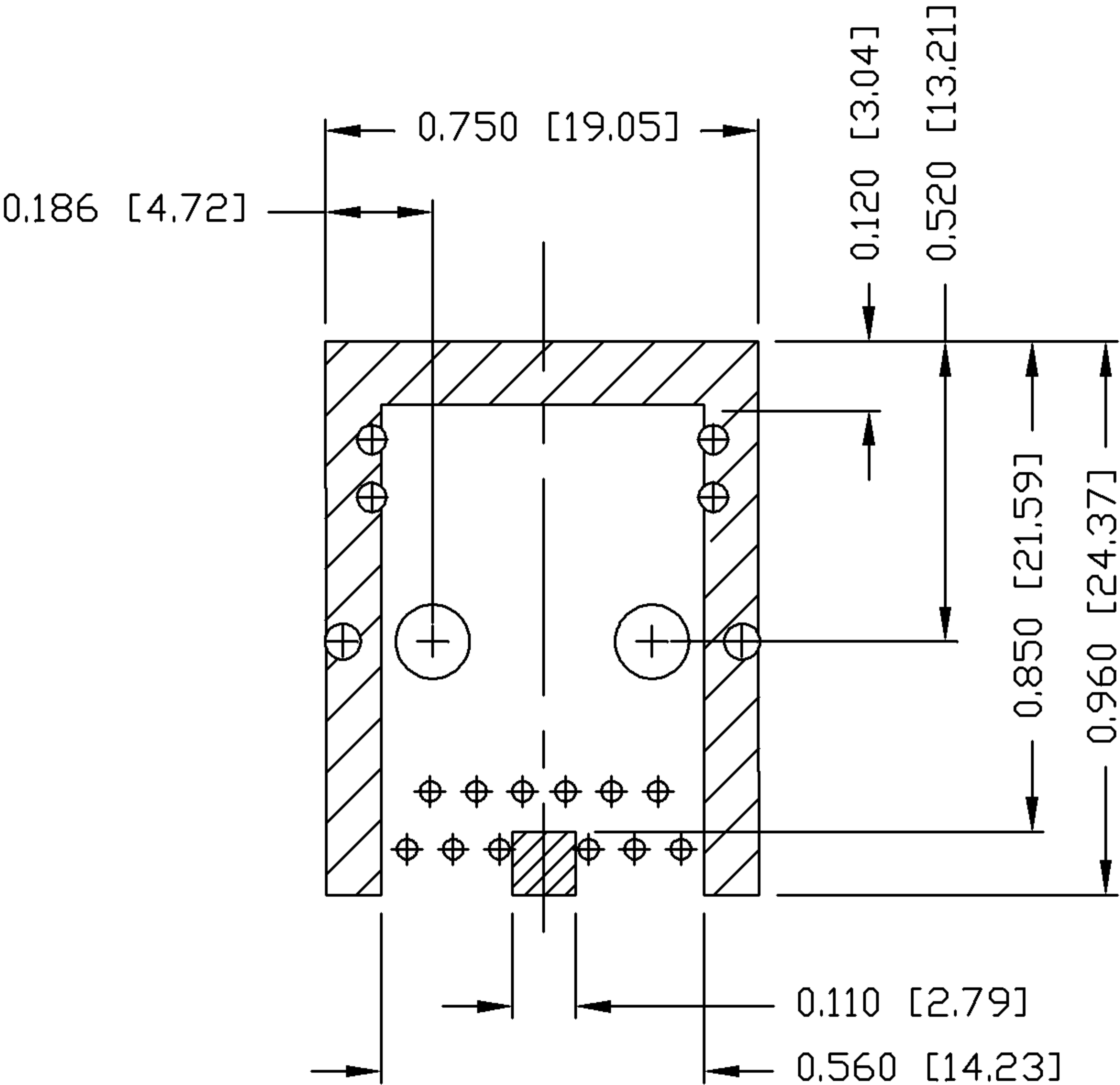
UL US UL RECOGNIZED - FILE #E196366 AND E169987.

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
LIU QIN	10-08-08	gigabit MagJack® (Extended Temperature and Ultra Low Profile)	L869-1A1T-32	.X	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	10-08-08		L869-1A1T-32_PA.DWG	.XXX ±0.010	PAGE : 3

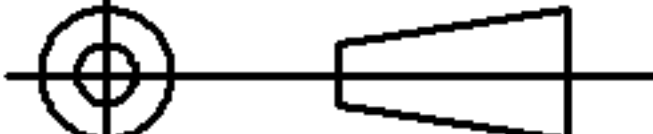
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NOTES:

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

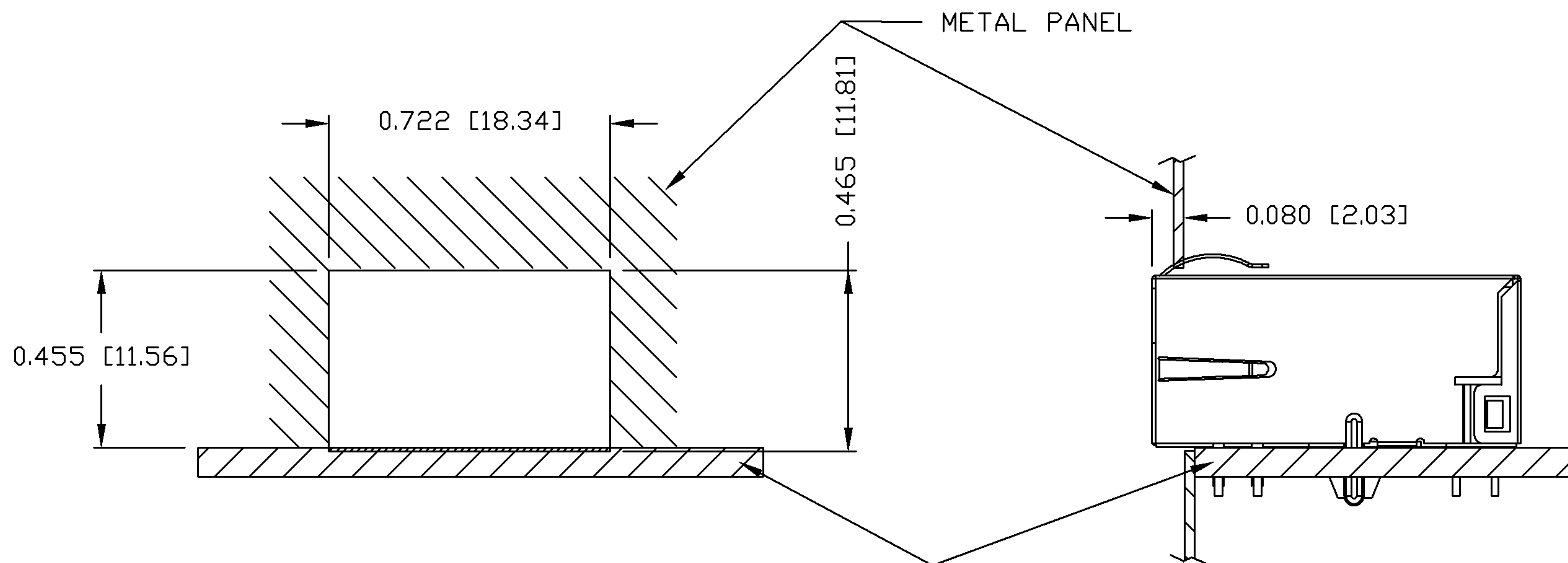
ORIGINATED BY	DATE	TITLE gigabit MagJack® (Extended Temperature and Ultra Low Profile)	PART NO. / DRAWING NO. L869-1A1T-32		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
LIU QIN	10-08-08		FILE NAME L869-1A1T-32_PA.DWG		.X		UNIT : INCH [mm]	REV. : PA	
DRAWN BY	DATE				.XX		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	10-08-08				.XXX		±0.004		

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SUGGESTED PANEL OPENING

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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)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
LIU QIN	10-08-08	gigabit MagJack® (Extended Temperature and Ultra Low Profile)	L869-1A1T-32	.X	UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
XIAN JIAXIN	10-08-08		L869-1A1T-32_PA.DWG	.XXX	±0.004	PAGE : 5

bel
COMPONENTS FOR A
CONNECTED
PLANET