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LED1 POLARITY			LED2 POLARITY		
PIN 11	PIN 12	COLOR	PIN 9	PIN 10	COLOR
-	+	YELLOW	-	+	GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX	1CT : 1
RX	1CT : 1

OCL @ 100kHz/100mVRMS

8mA DC BIAS	350μH MIN
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INS. LOSS

1MHz TO 100MHz	-1.1 dB MAX
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RET. LOSS (MIN)

1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB

CROSS TALK (TX - RX)

500kHz - 100 MHz	-30 dB MIN
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CM TO CM REJ

100kHz - 100 MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100 MHz	-40 dB MIN
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HIPOT (Isolation Voltage):

LED 1	1500 Vrms
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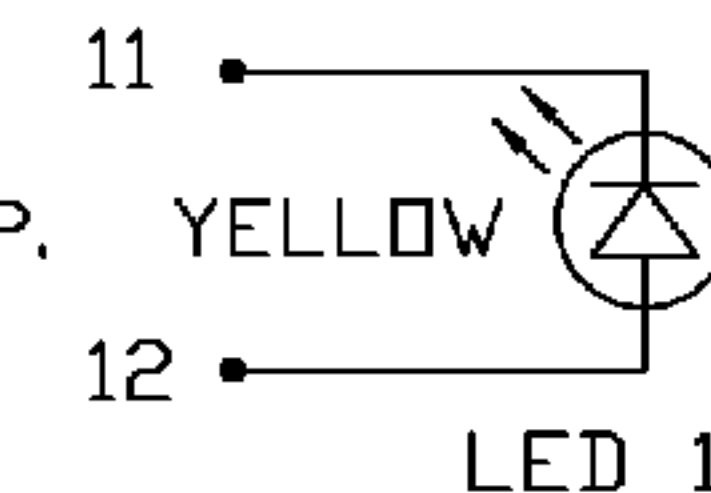
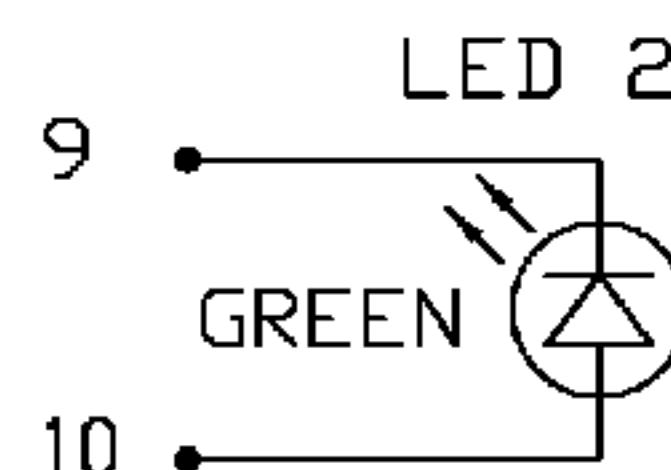
VF (FORWARD VOLTAGE)	IF=20mA YELLOW	2.1V TYP.
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λD (DOMINANT WAVELENGTH)	IF=20mA YELLOW	590nm TYP.
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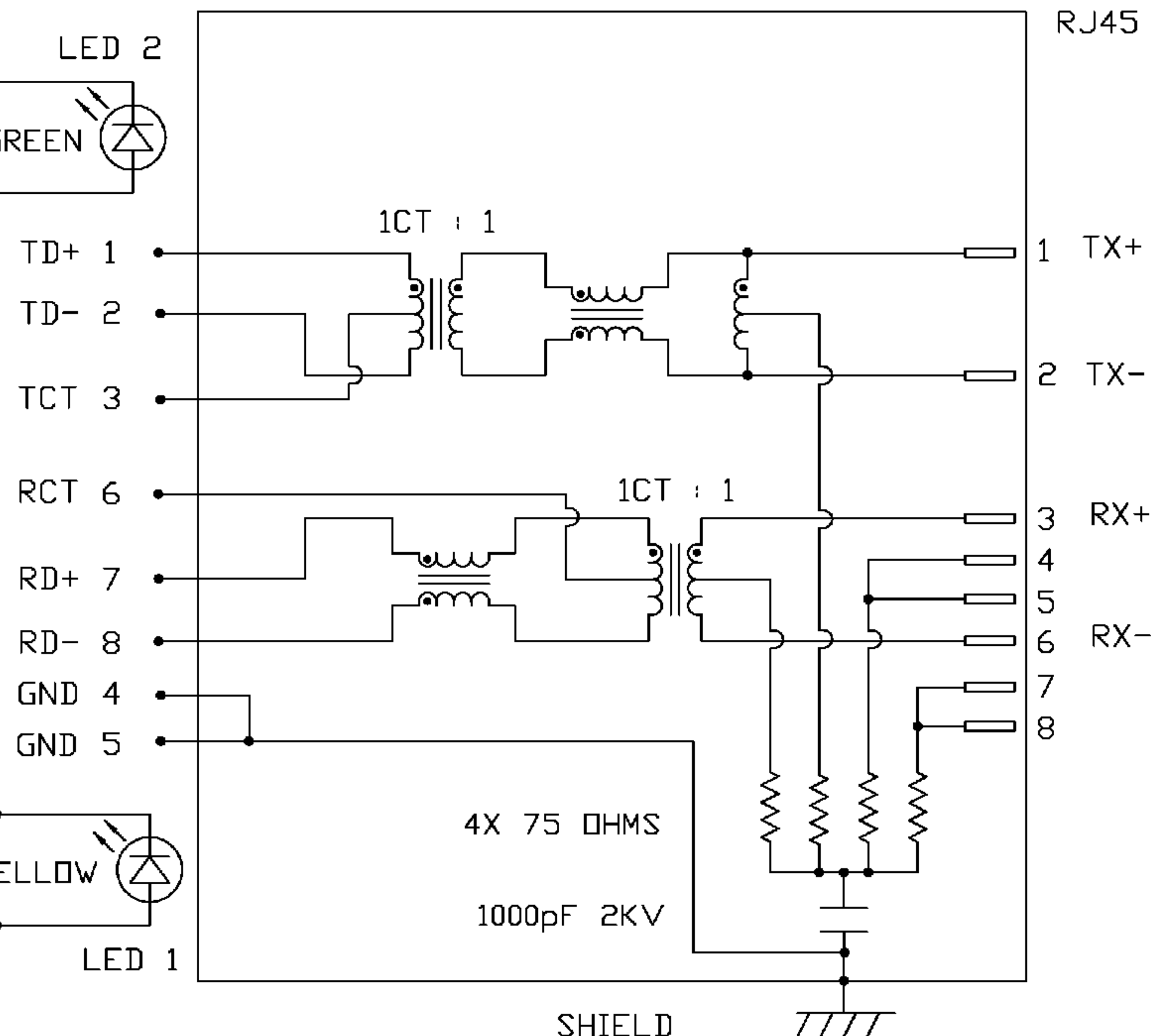
LED 2

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



RJ45

1 TX+

2 TX-

3 RX+

4 RX-

5

6

7

8

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHUNG	05-10-05	staggered pin MagJack® (5 Cores) 0817-1AX1-11-F	08171AX111-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
DE	05-10-05		08171AX111-FPA.DWG	.XX .XXX		PAGE : 2



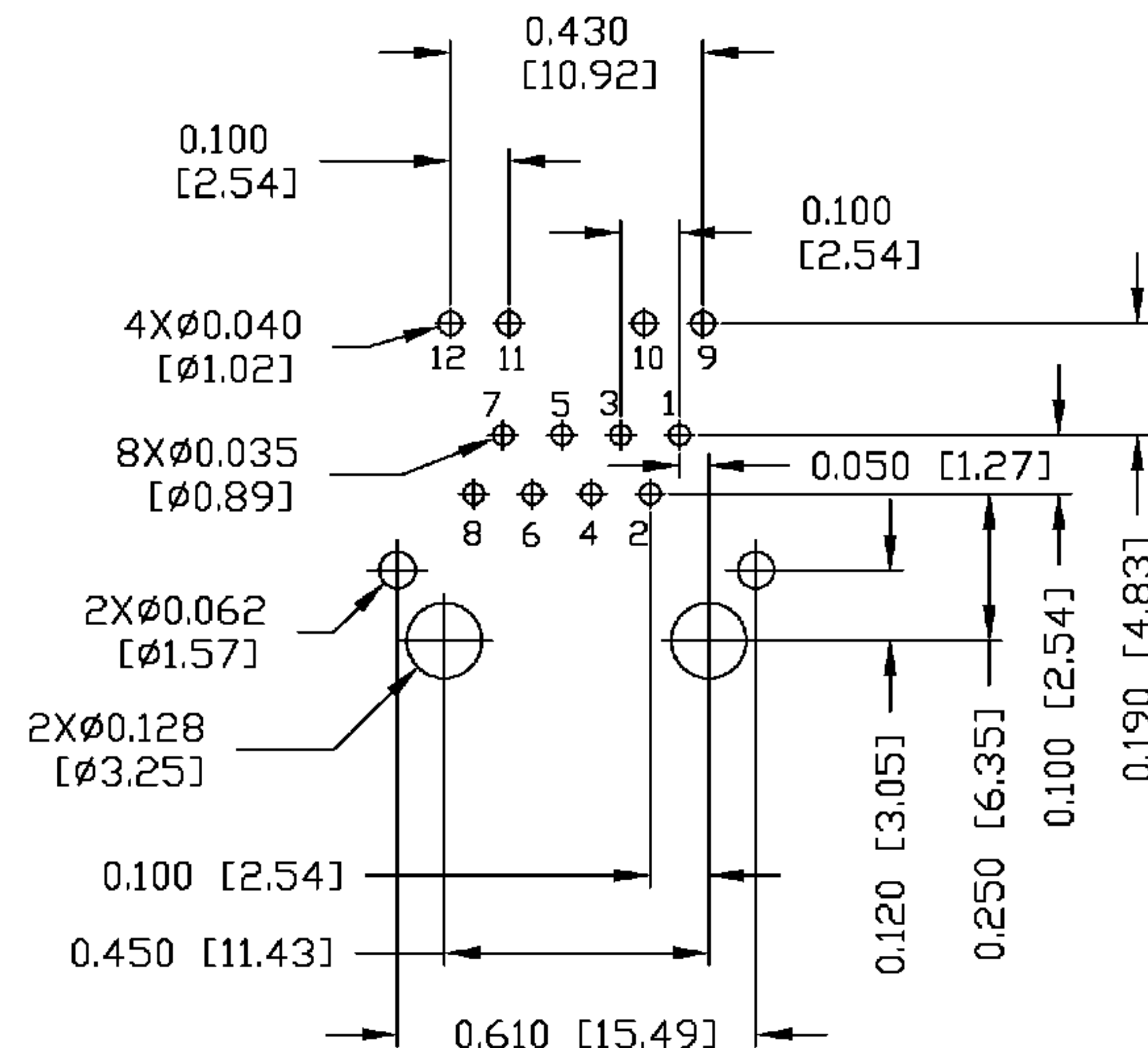
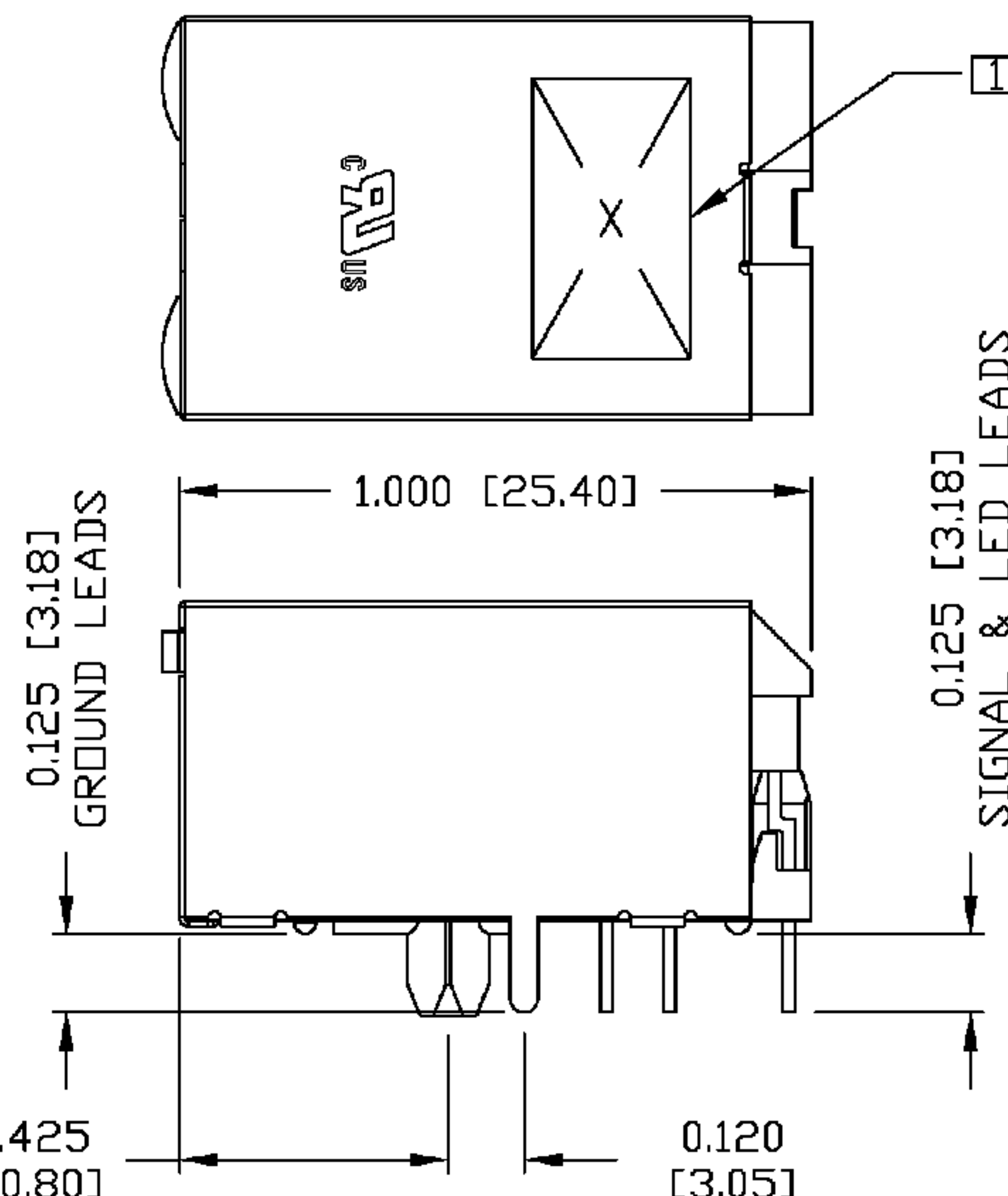
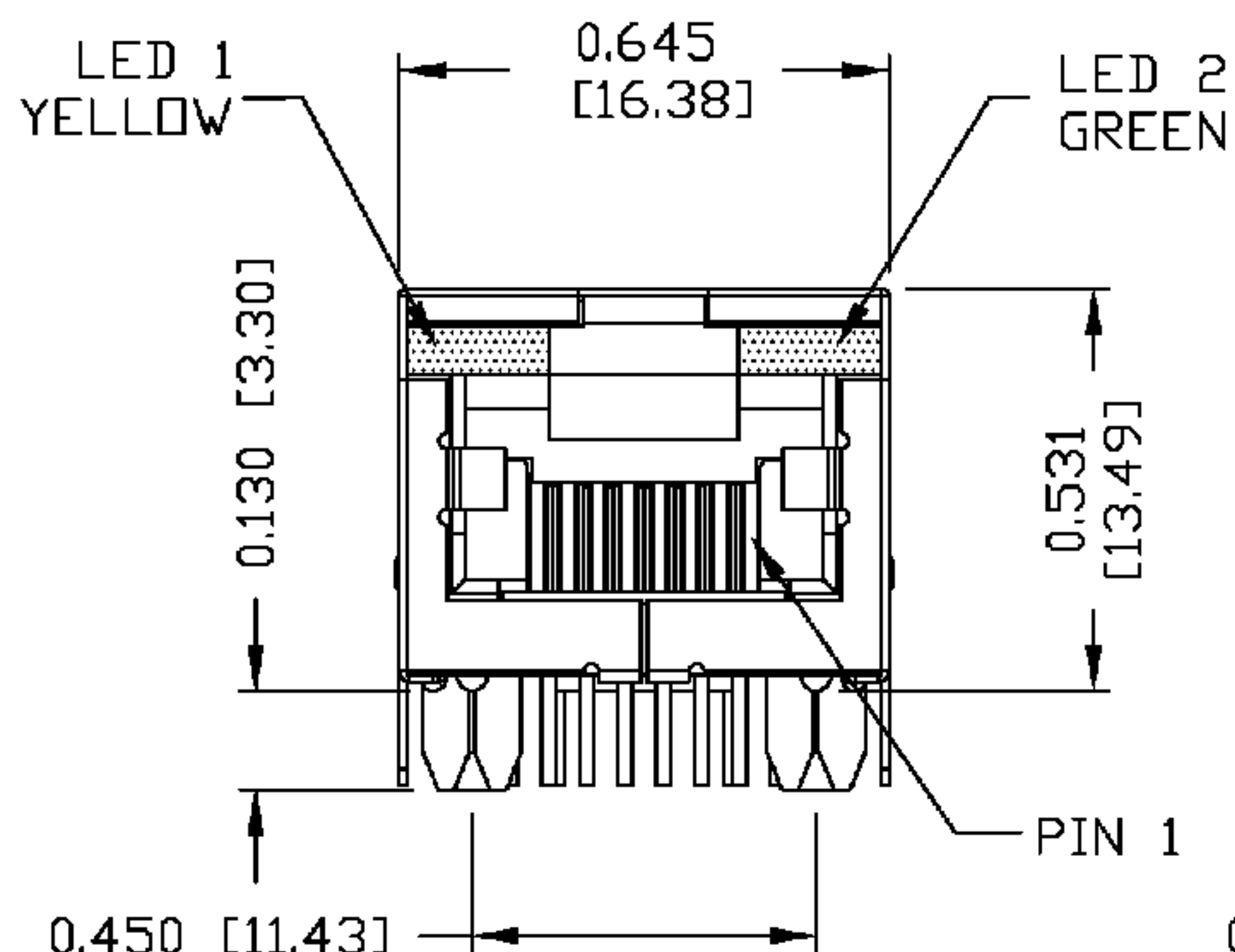
MECHANICAL SPECIFICATION

PRELIMINARY

RoHS
2002/95/EC



RECOMMENDED PCB FOOTPRINT



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
- CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
- PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: NICKEL OR TIN PLATED ON COPPER ALLOY.
(ALL NICKEL PLATED GROUND LEADS ARE SOLDER DIPPED)

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

UL RECOGNIZED - FILE #E196366 AND E169987.

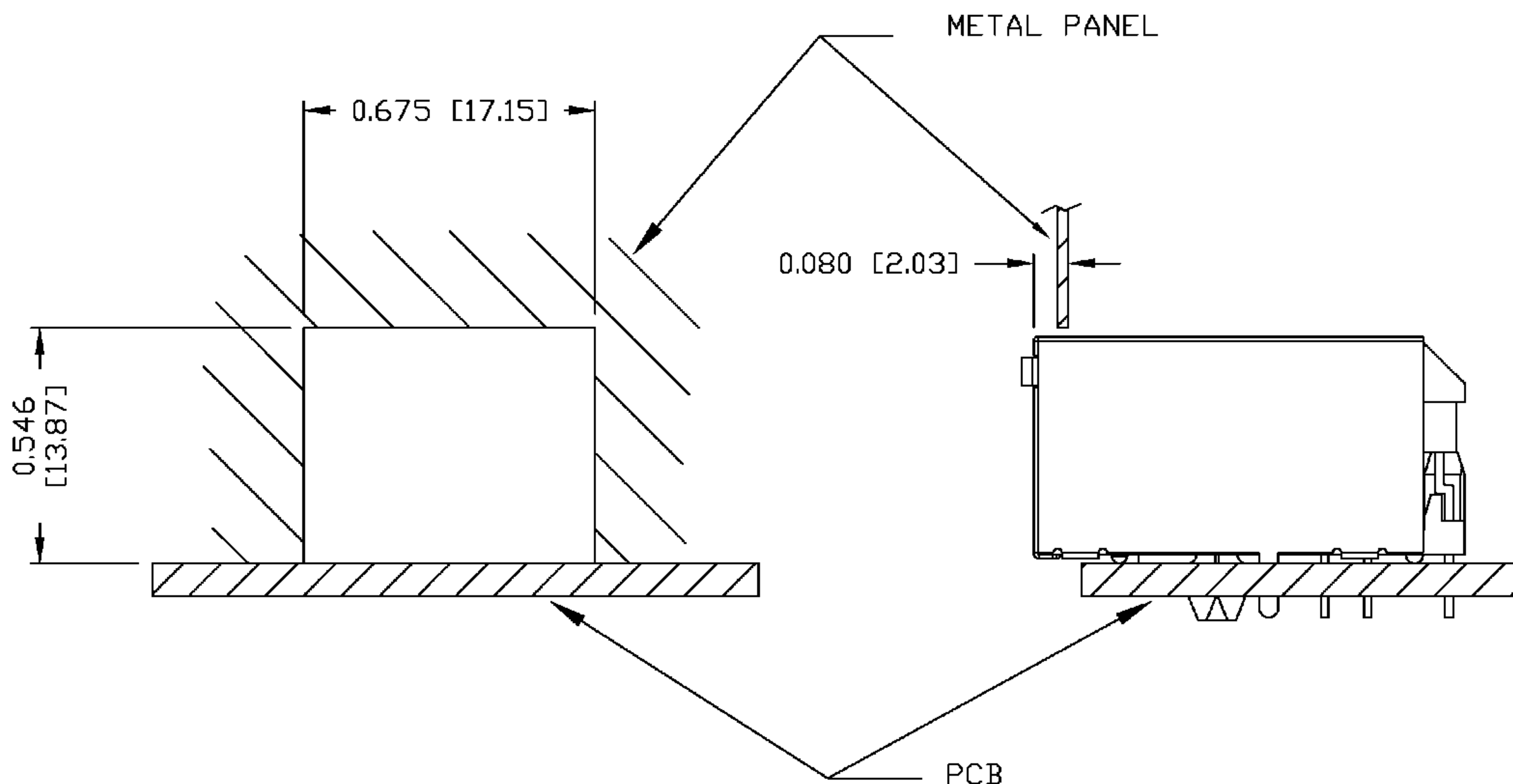
2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
BILL	05-10-05	staggered pin MagJack® (5 Cores) 0817-1AX1-11-F	08171AX111-F	.X	UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
LING	05-10-05		08171AX111-FPA.DWG	.XXX ±0.010		PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET

SUGGESTED PANEL OPENING

PRELIMINARY



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-A2

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	
BILL	05-10-05	staggered pin MagJack® (5 Cores) 0817-1AX1-11-F	08171AX111-F	.X	UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
LING	05-10-05		08171AX111-FPA.DWG	.XXX ±0.005	⊕	PAGE : 4