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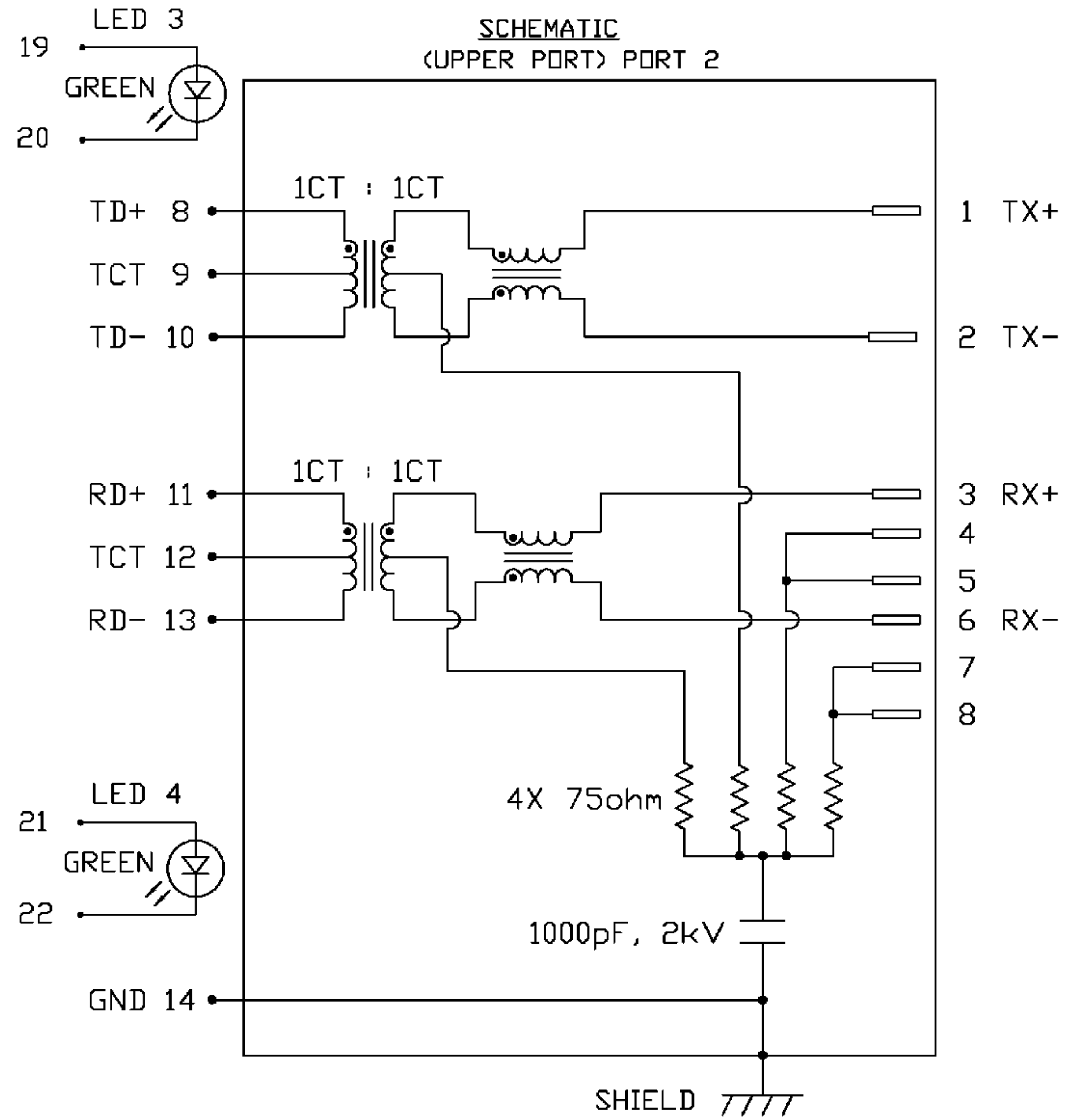
LED 3 POLARITY			LED 4 POLARITY		
PIN 19	PIN 20	COLOR	PIN 21	PIN 22	COLOR
+	-	GREEN	+	-	GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

TRANSFORMER	
TURN RATIO	
TX	ICT : 1 ±3%
RX	ICT : 1 ±3%
DCL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.
ISOLATION	
INS. LOSS	
1MHz TO 100MHz	-1.0 dB MAX
RETURN LOSS	
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 dB MIN
CM TO CM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-47 dB MIN
30 MHz	-42 dB MIN
60 MHz	-37 dB MIN
100 MHz	-30 dB MIN
CM TO DM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-60 dB MIN
30 MHz	-50 dB MIN
60 MHz	-45 dB MIN
100 MHz	-40 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms
LED 3 & LED 4 (Super bright)	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHUNG	12-07-05	2X1 MagJack® (with LED)	0845-2G1A-H5	TOL. IN INCH	UNIT : INCH [mm]	REV. : PB
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
DE	12-07-05		08452G1AH5PB.DWG	.XX		PAGE : 2
				.XXX		



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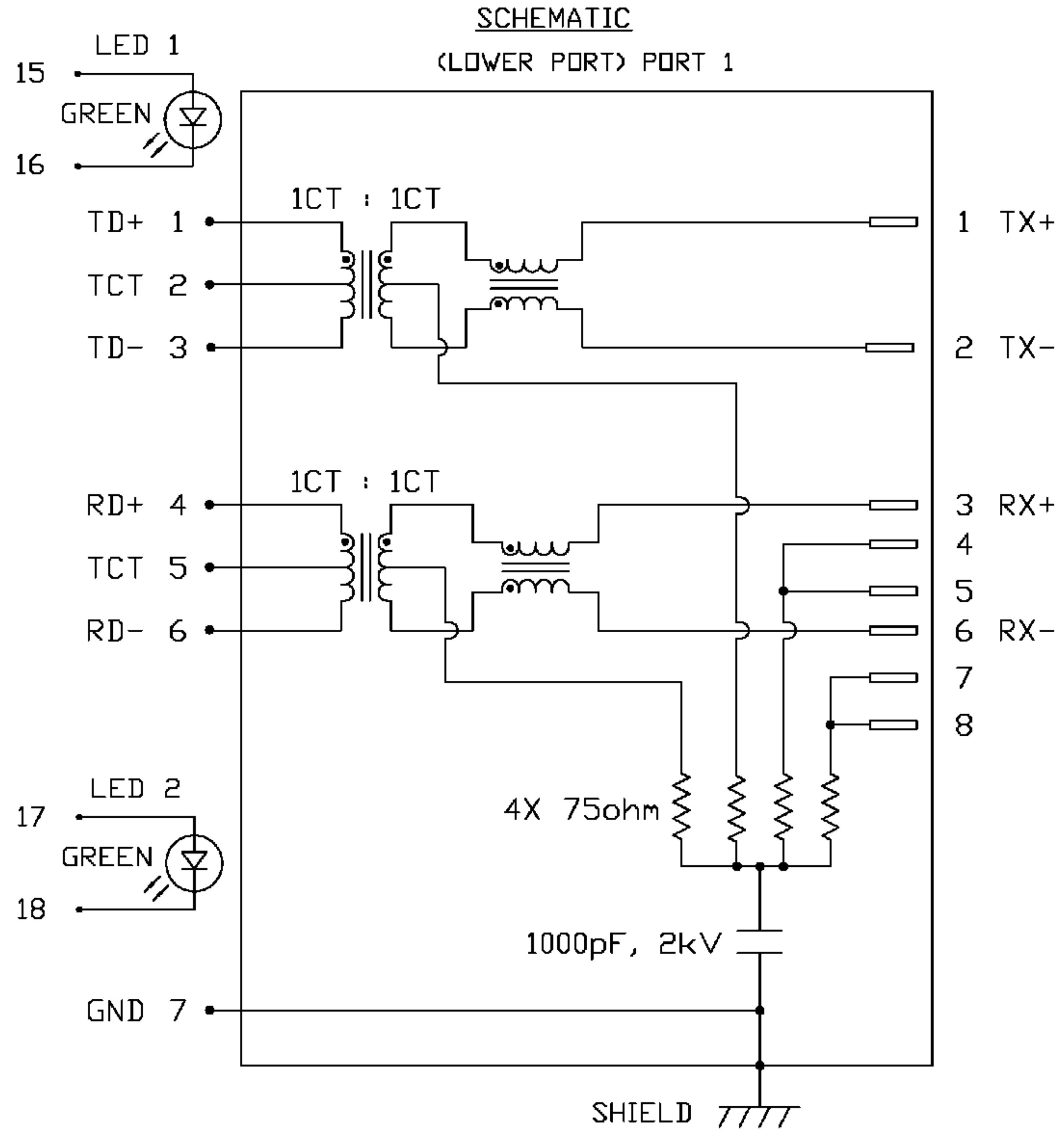
LED 1 POLARITY			LED 2 POLARITY		
PIN 15	PIN 16	COLOR	PIN 17	PIN 18	COLOR
+	-	GREEN	+	-	GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO TX RX DCL @ 100kHz/100mVRMS 8mA DC BIAS INS. LOSS 1MHz TO 100MHz RET. LOSS (MIN) 1MHz-30MHz 30MHz-60MHz 60MHz-80MHz CROSS TALK (TX - RX) 500kHz-1MHz 10 MHz 30 MHz 50 MHz 100 MHz CM TO CM REJ 100kHz-1MHz 10 MHz 30 MHz 60 MHz 100 MHz CM TO DM REJ 100kHz-1MHz 10 MHz 30 MHz 60 MHz 100 MHz HIPOT (Isolation Voltage): LED 1 & LED 2 VF (FORWARD VOLTAGE) λD (DOMINANT WAVELENGTH)	1CT : 1 ±3% 1CT : 1 ±3% 350µH MIN. -1.0 dB MAX -18 dB -18+20LOG(F/30MHz) dB -12 dB -70 dB MIN -50 dB MIN -45 dB MIN -40 dB MIN -35 dB MIN -70 dB MIN -47 dB MIN -42 dB MIN -37 dB MIN -30 dB MIN -70 dB MIN -60 dB MIN -50 dB MIN -45 dB MIN -40 dB MIN 1500 Vrms IF=20mA GREEN 2.2V TYP. IF=20mA GREEN 565nm TYP.
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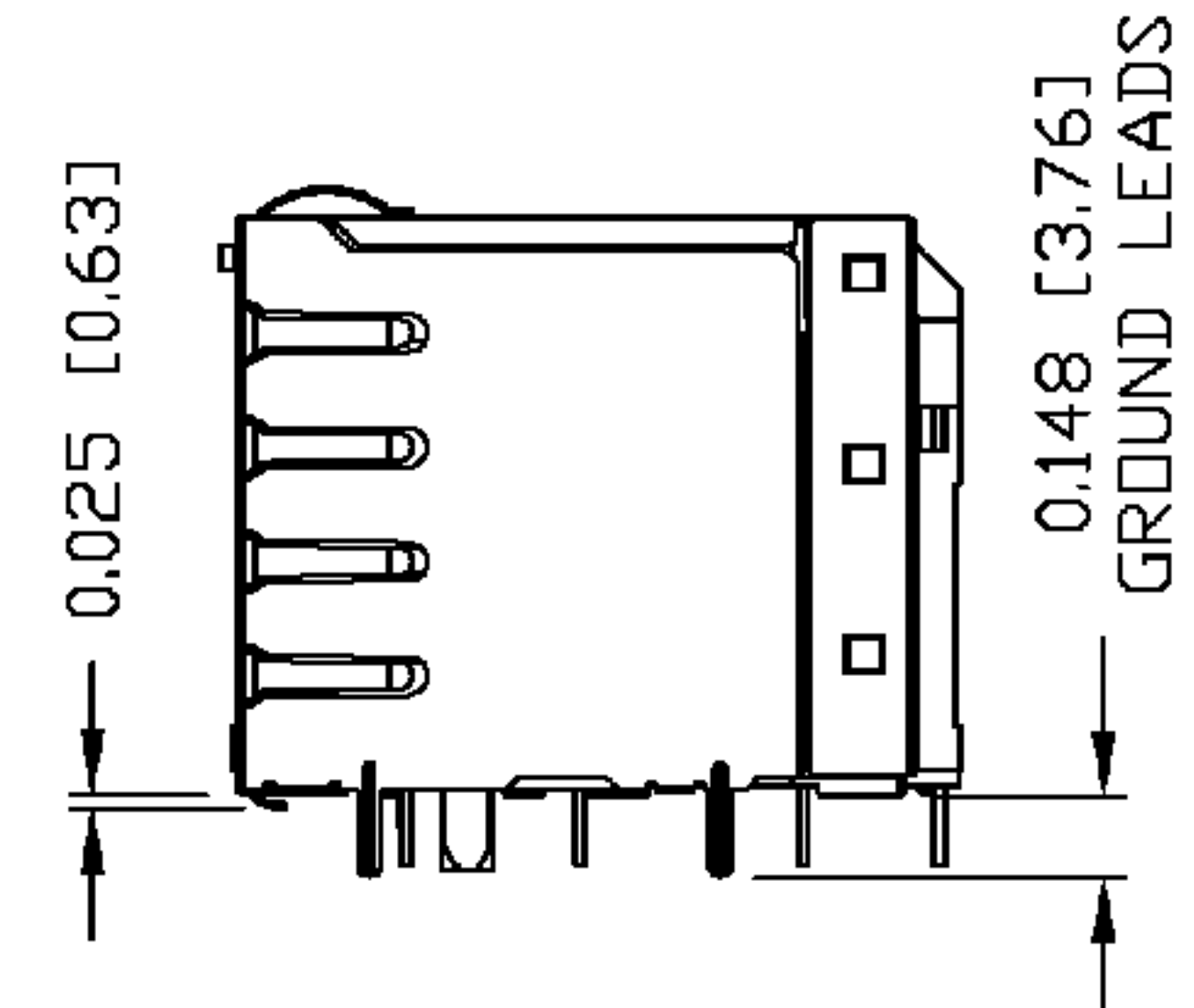
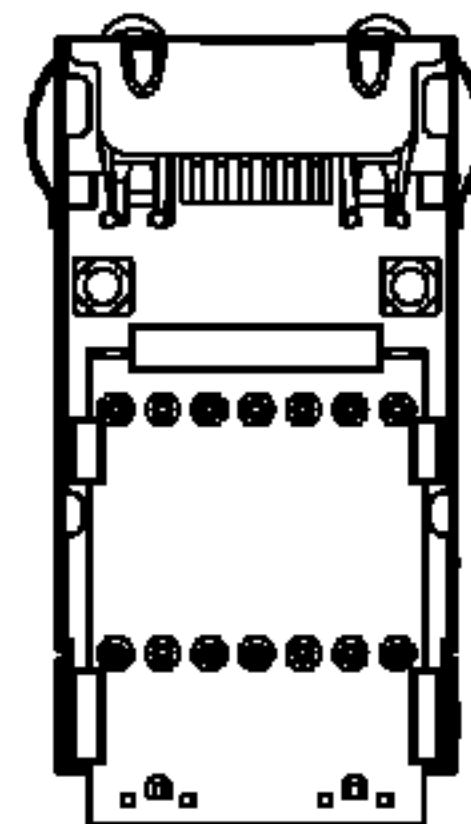
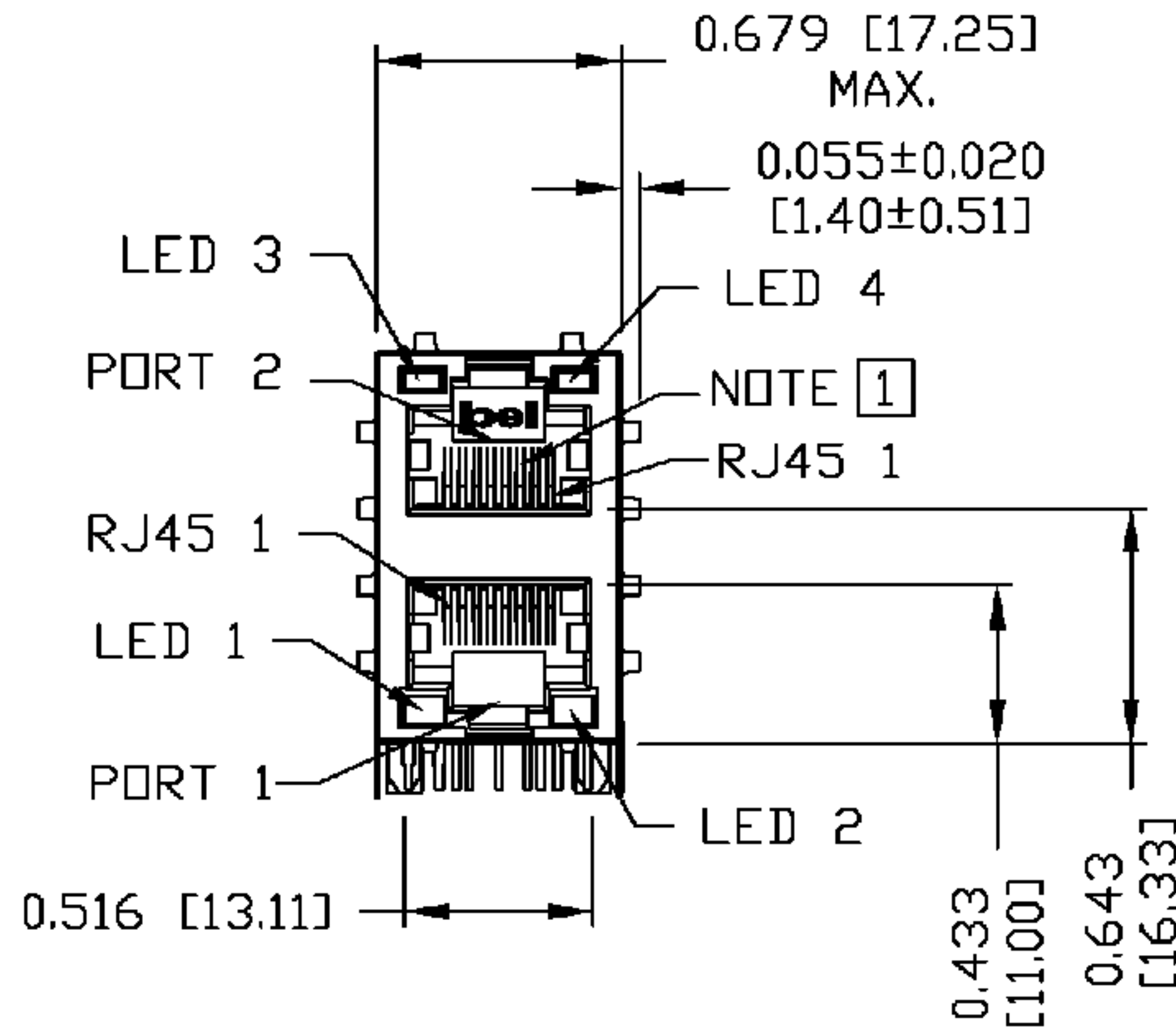
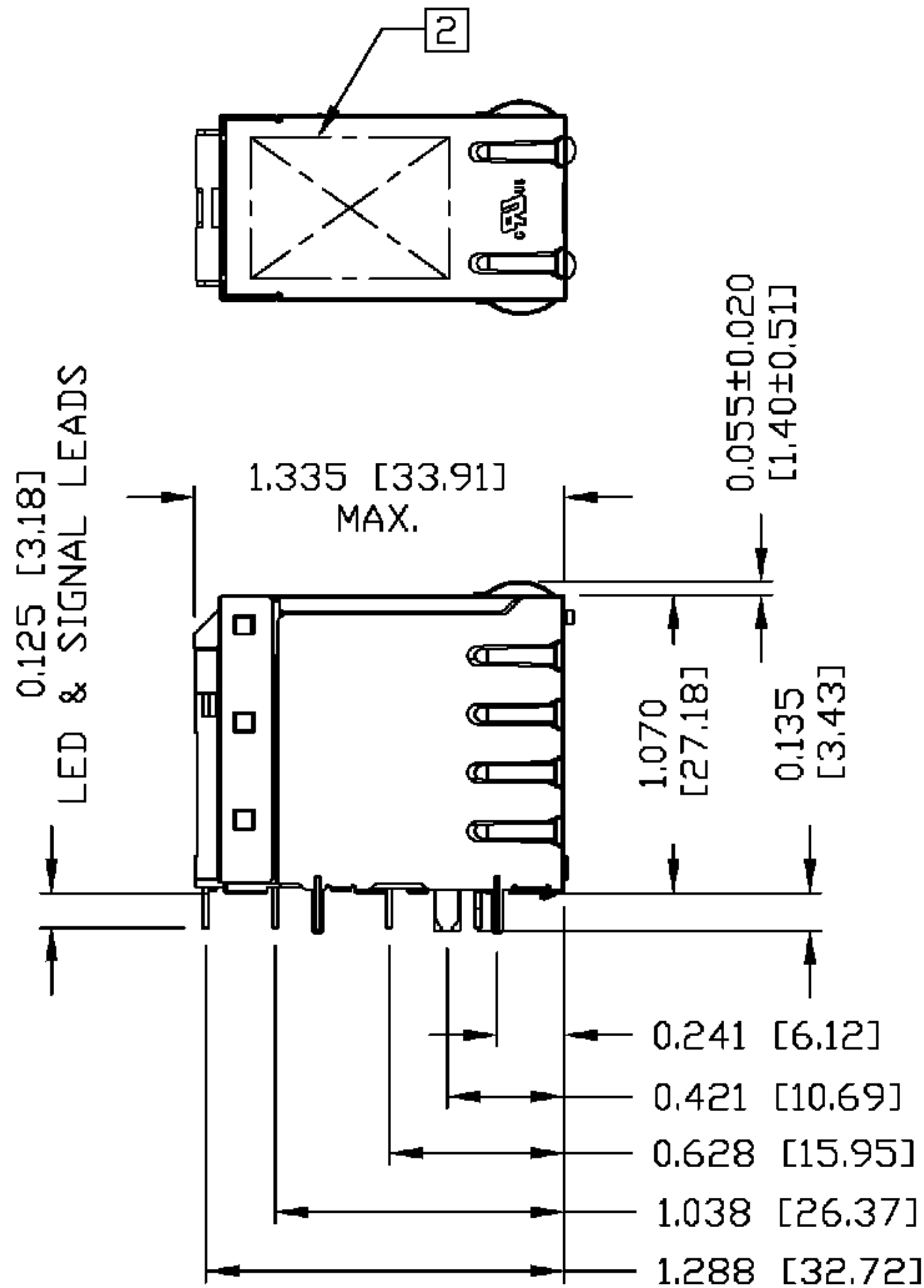


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CHUNG	12-07-05	2X1 MagJack® (with LED)	0845-2G1A-H5	.X	UNIT : INCH [mm] REV. : PB
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DE	12-07-05		08452G1AH5PB.DWG	.XXX	PAGE : 3



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PRELIMINARY



ORIGINATED BY QIN\BILL	DATE 12-07-05
DRAWN BY TING	DATE 12-07-05

TITLE 2X1 MagJack® (with LED)

PART NO. / DRAWING NO. 0845-2G1A-H5
FILE NAME 08452G1AH5PB.DWG

STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	±0.010

REV. : PB
SIZE : A4
PAGE : 4

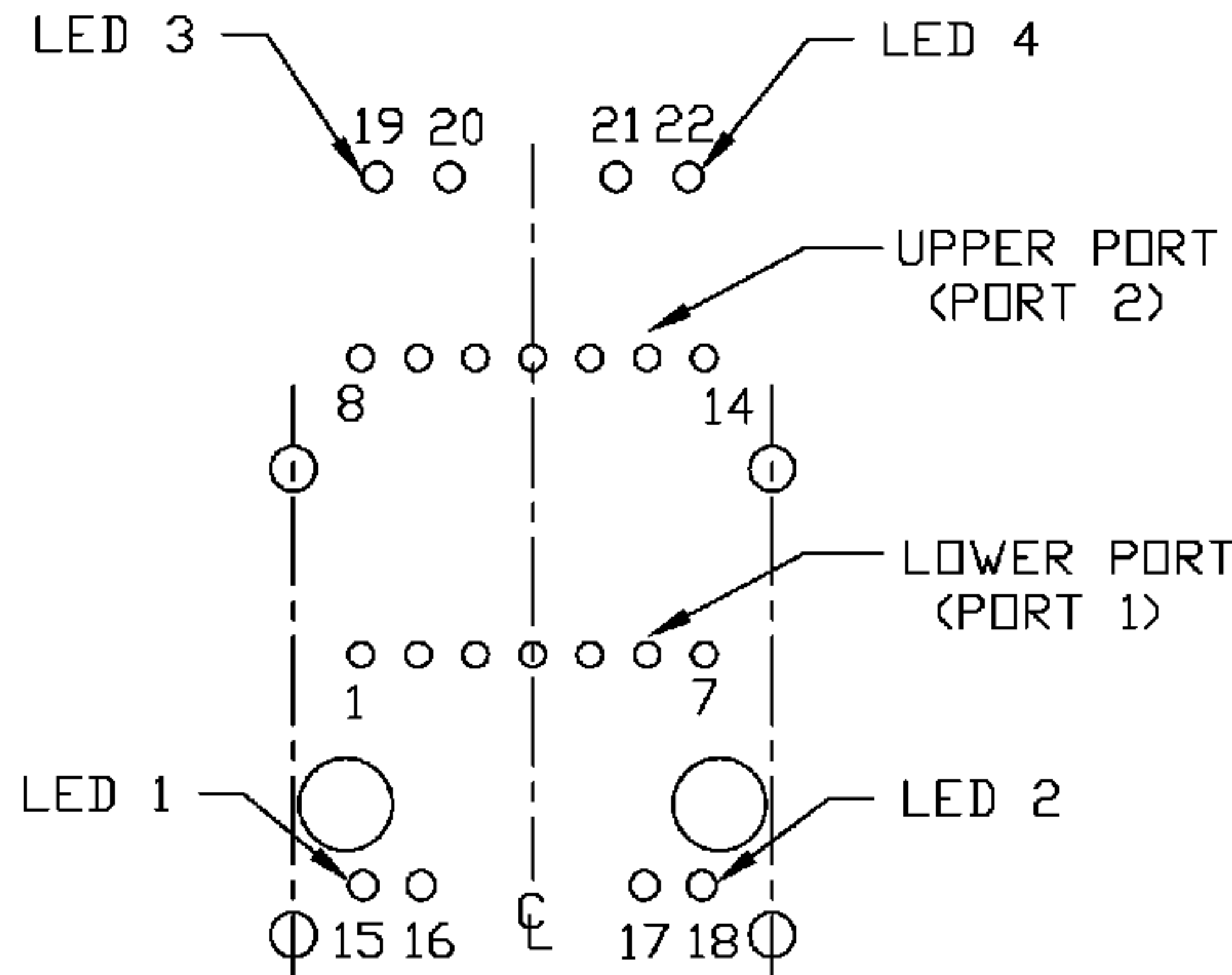


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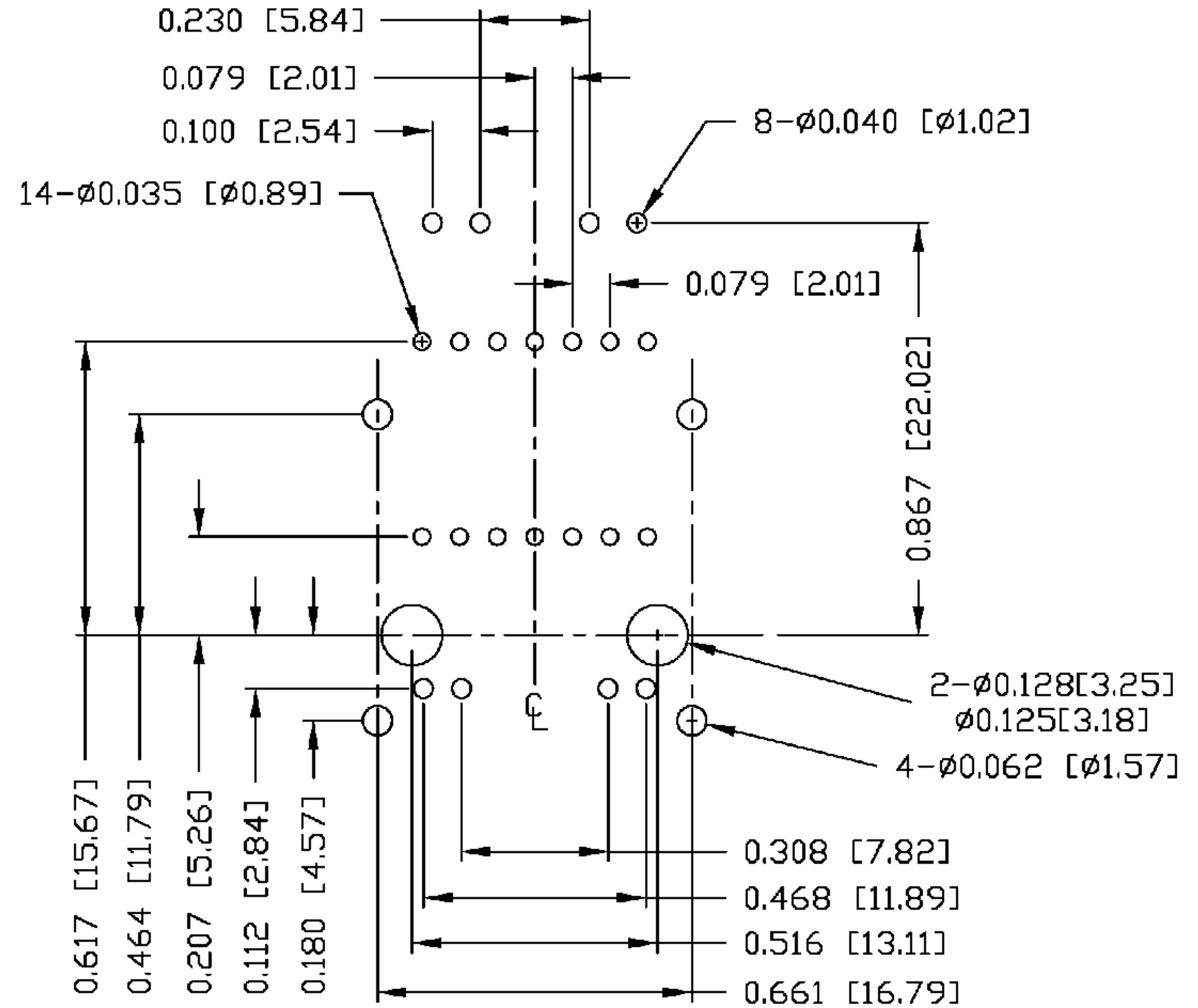


PRELIMINARY

LED CONFIGURATION



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)
(SCALE 2:1)



SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)
(SCALE 2:1)

NOTES:

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

- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
 - [2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
- RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
QIN\BILL	12-07-05	2X1 MagJack® (with LED)	0845-2G1A-H5	.X	UNIT : INCH [mm] REV. : PB
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
TING	12-07-05		08452G1AH5PB.DWG	.XXX ±0.004	PAGE : 5

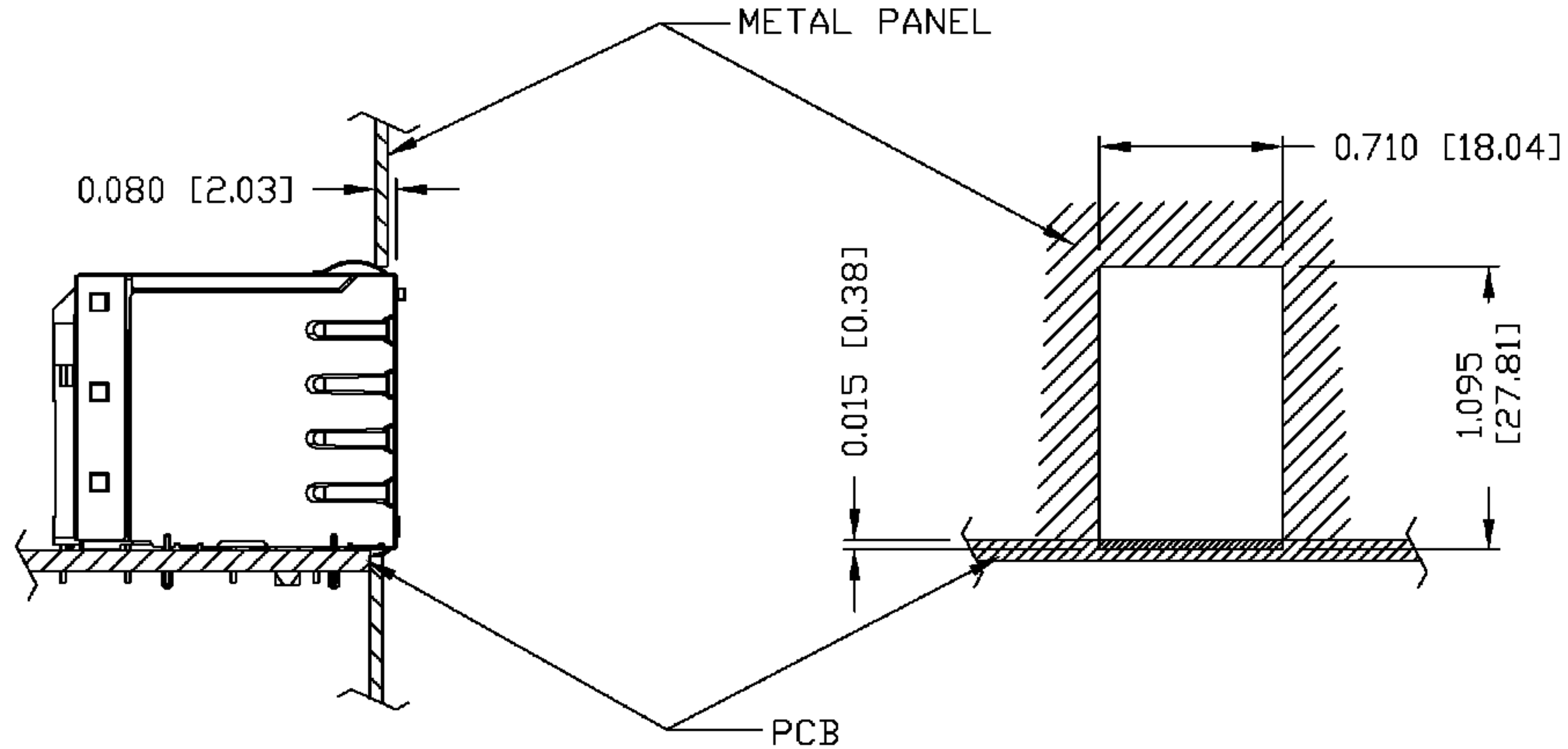


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PRELIMINARY



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: 0200-9999-H5 (TOP)
0200-9999-H6 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY
6 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

ORIGINATED BY QIN\BILL	DATE 12-07-05	TITLE 2X1 MagJack® (with LED)	PART NO. / DRAWING NO. 0845-2G1A-H5	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY TING	DATE 12-07-05		FILE NAME 08452G1AH5PB.DWG	.X .XX .XXX	±0.004	UNIT : INCH [mm]
					SCALE : N/A	SIZE : A4
						PAGE : 6

