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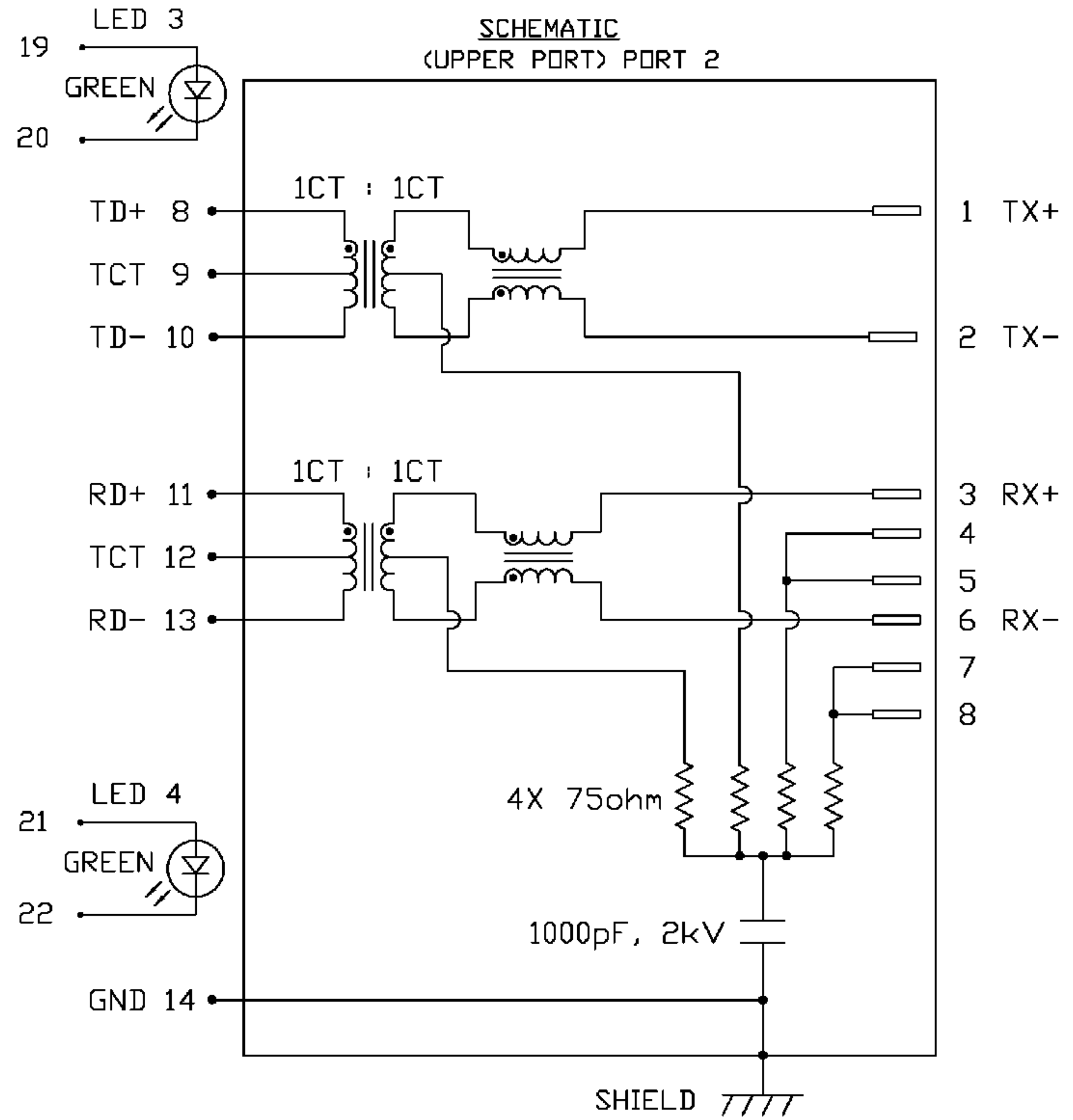
LED 3 POLARITY			LED 4 POLARITY		
PIN 19	PIN 20	COLOR	PIN 21	PIN 22	COLOR
+	-	GREEN	+	-	GREEN

PRELIMINARY



**ELECTRICAL CHARACTERISTICS @ 25°C**

<b>TRANSFORMER</b>	
TURN RATIO	
TX	ICT : 1 ±3%
RX	ICT : 1 ±3%
QCL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.
<b>ISOLATION</b>	
INS. LOSS	
1MHz TO 100MHz	-1.0 dB MAX
<b>RETURN LOSS</b>	
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
<b>CROSS TALK (TX - RX)</b>	
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
<b>CM TO CM REJ</b>	
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
<b>CM TO DM REJ</b>	
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
<b>HIPOT (Isolation Voltage):</b>	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.



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



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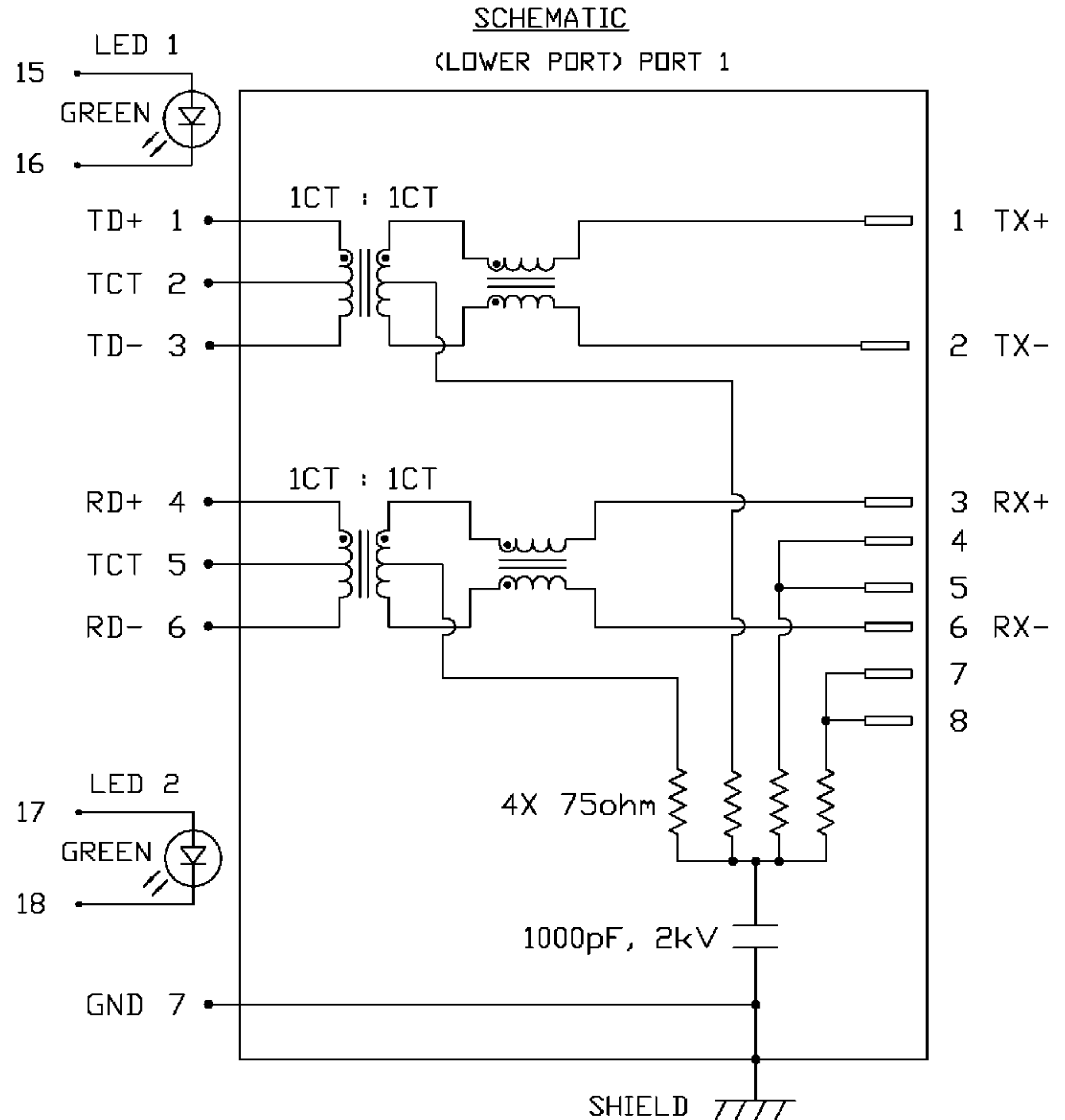
LED 1 POLARITY			LED 2 POLARITY		
PIN 15	PIN 16	COLOR	PIN 17	PIN 18	COLOR
+	-	GREEN	+	-	GREEN

PRELIMINARY



**ELECTRICAL CHARACTERISTICS @ 25°C**

<b>URNS RATIO</b> TX RX <b>DCL @ 100kHz/100mVRMS</b> 8mA DC BIAS <b>INS. LOSS</b> 1MHz TO 100MHz <b>RET. LOSS (MIN)</b> 1MHz-30MHz 30MHz-60MHz 60MHz-80MHz <b>CROSS TALK (TX - RX)</b> 500kHz-1MHz 10 MHz 30 MHz 50 MHz 100 MHz <b>CM TO CM REJ</b> 100kHz-1MHz 10 MHz 30 MHz 60 MHz 100 MHz <b>CM TO DM REJ</b> 100kHz-1MHz 10 MHz 30 MHz 60 MHz 100 MHz <b>HIPOT (Isolation Voltage):</b> 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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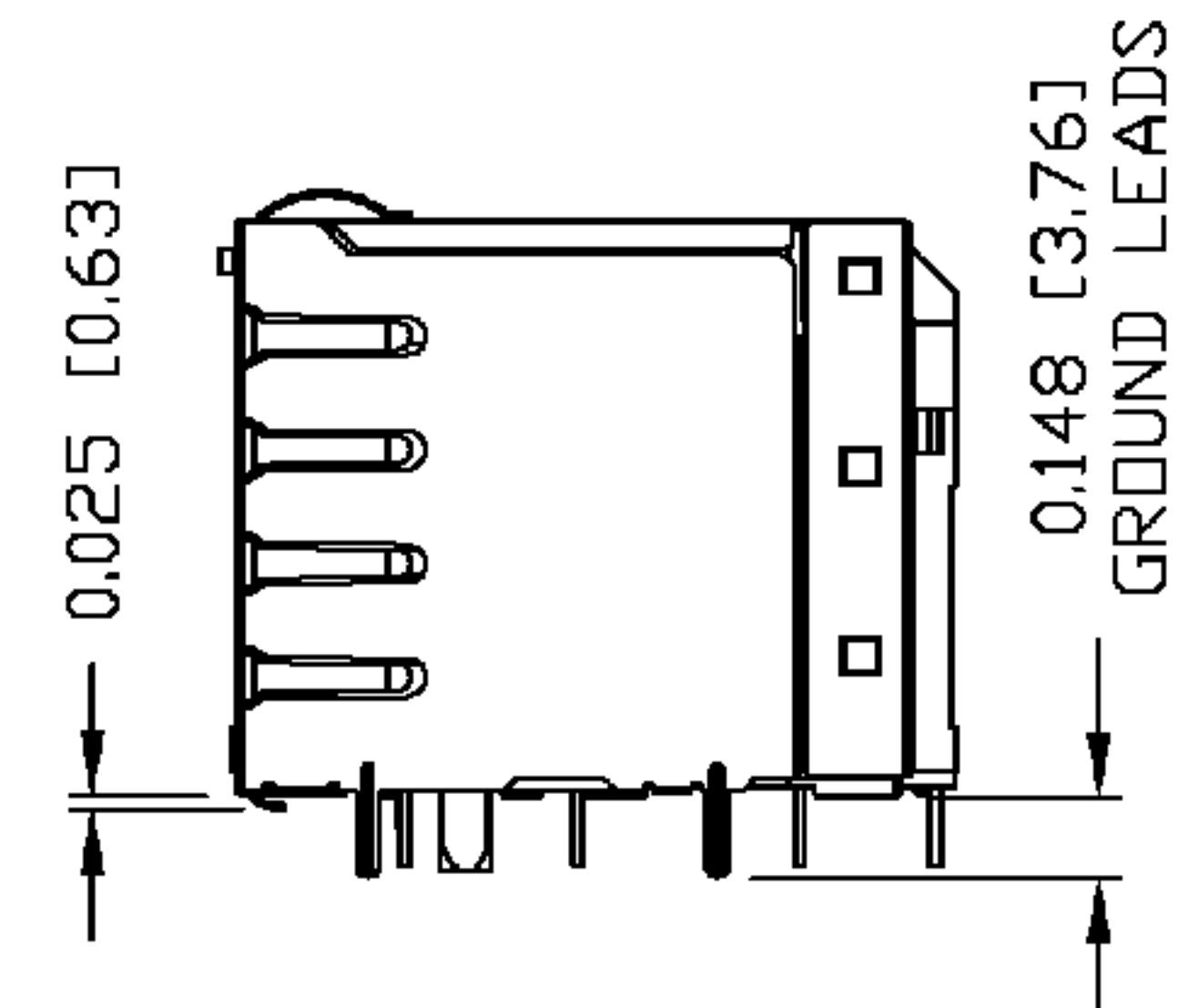
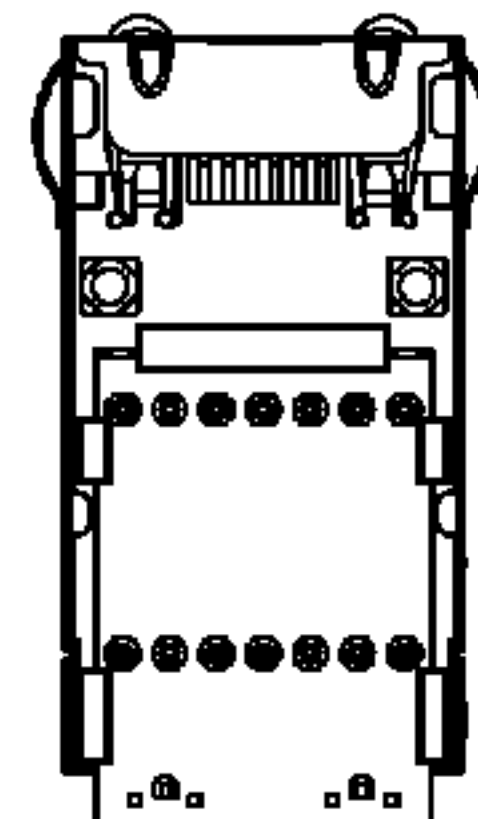
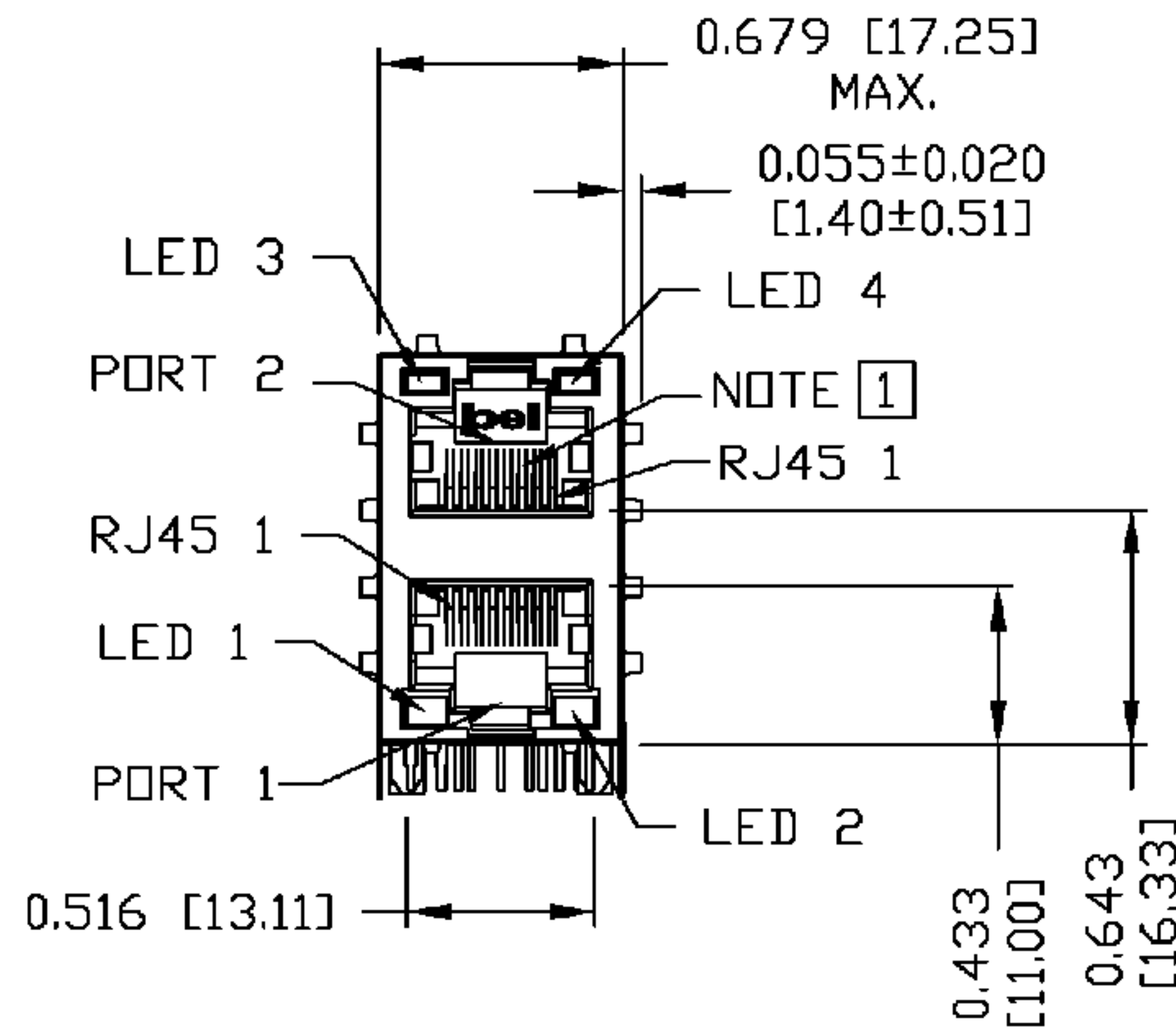
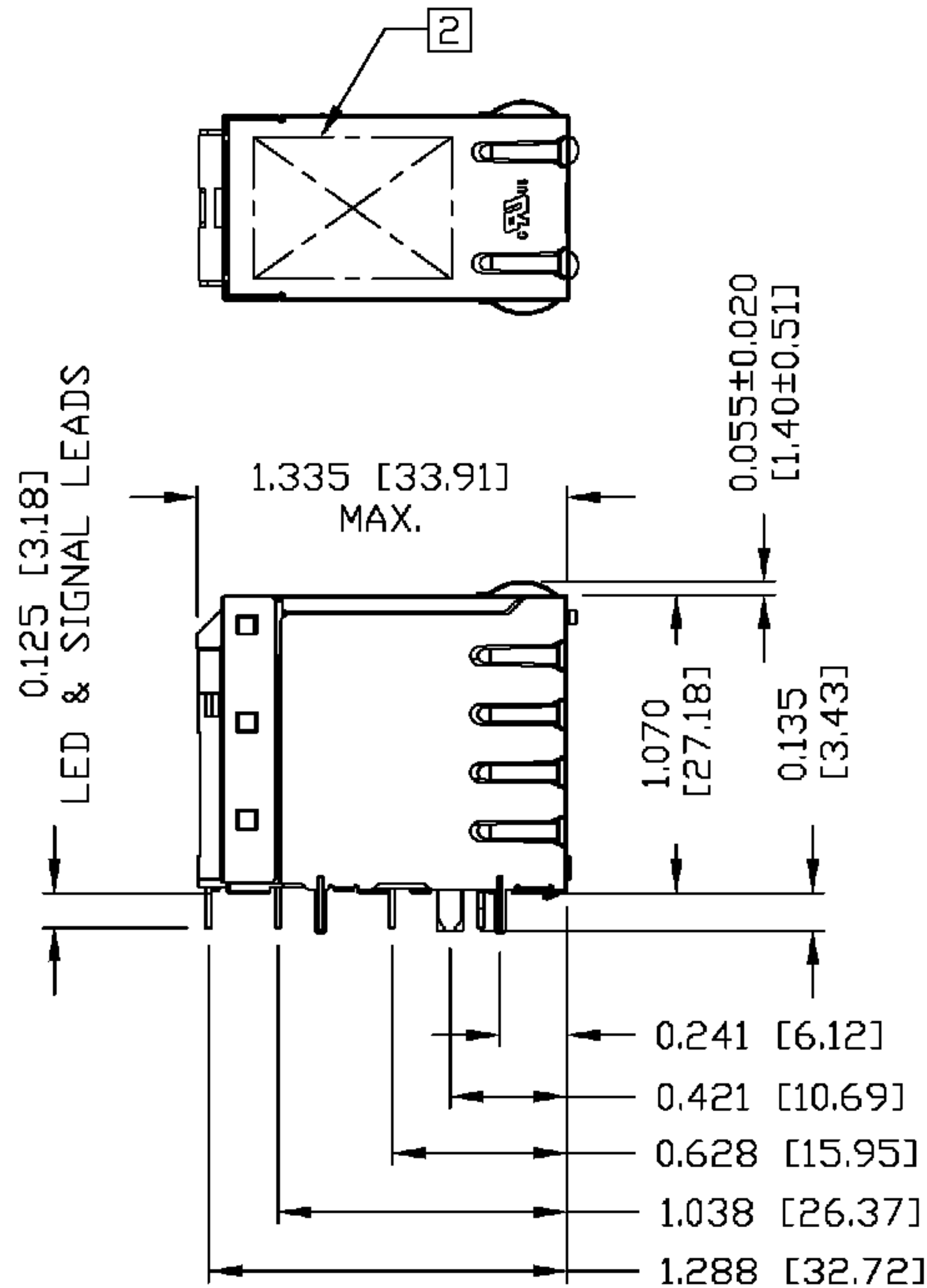


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
CHUNG	12-07-05	2X1 MagJack® (with LED)	0845-2G1A-H5	.X	UNIT : INCH [mm] REV. : PB
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DE	12-07-05		08452G1AH5PB.DWG	.XXX	PAGE : 3



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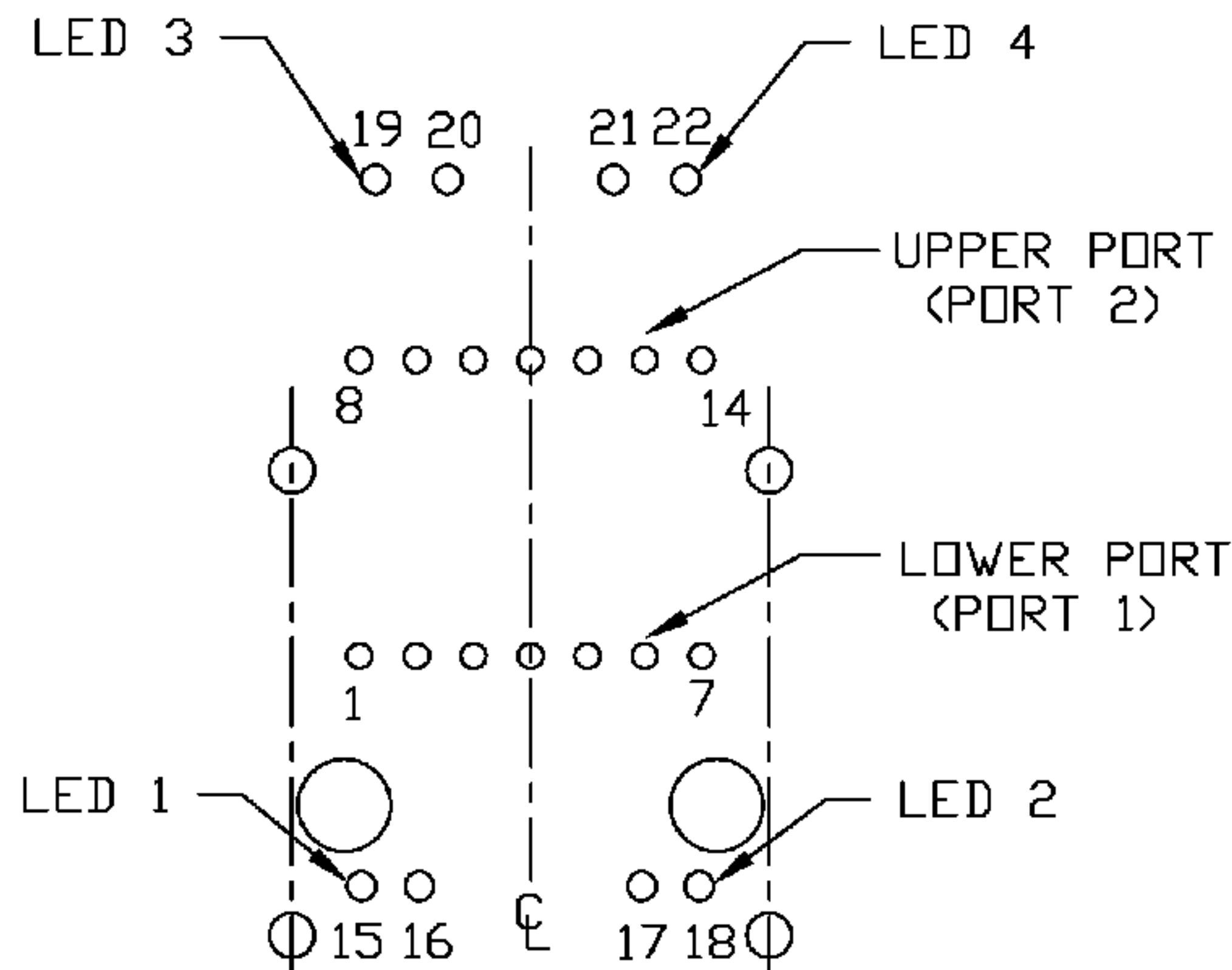
ORIGINATED BY QIN\BILL	DATE 12-07-05	TITLE 2X1 MagJack® (with LED)	PART NO. / DRAWING NO. 0845-2G1A-H5		STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
	DRAWN BY TING		DATE 12-07-05	FILE NAME 08452G1AH5PB.DWG	.X		UNIT : INCH [mm]	REV. : PB	
				.XX		SCALE : N/A	SIZE : A4		
				.XXX	±0.010		PAGE : 4		

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PRELIMINARY

LED CONFIGURATION



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

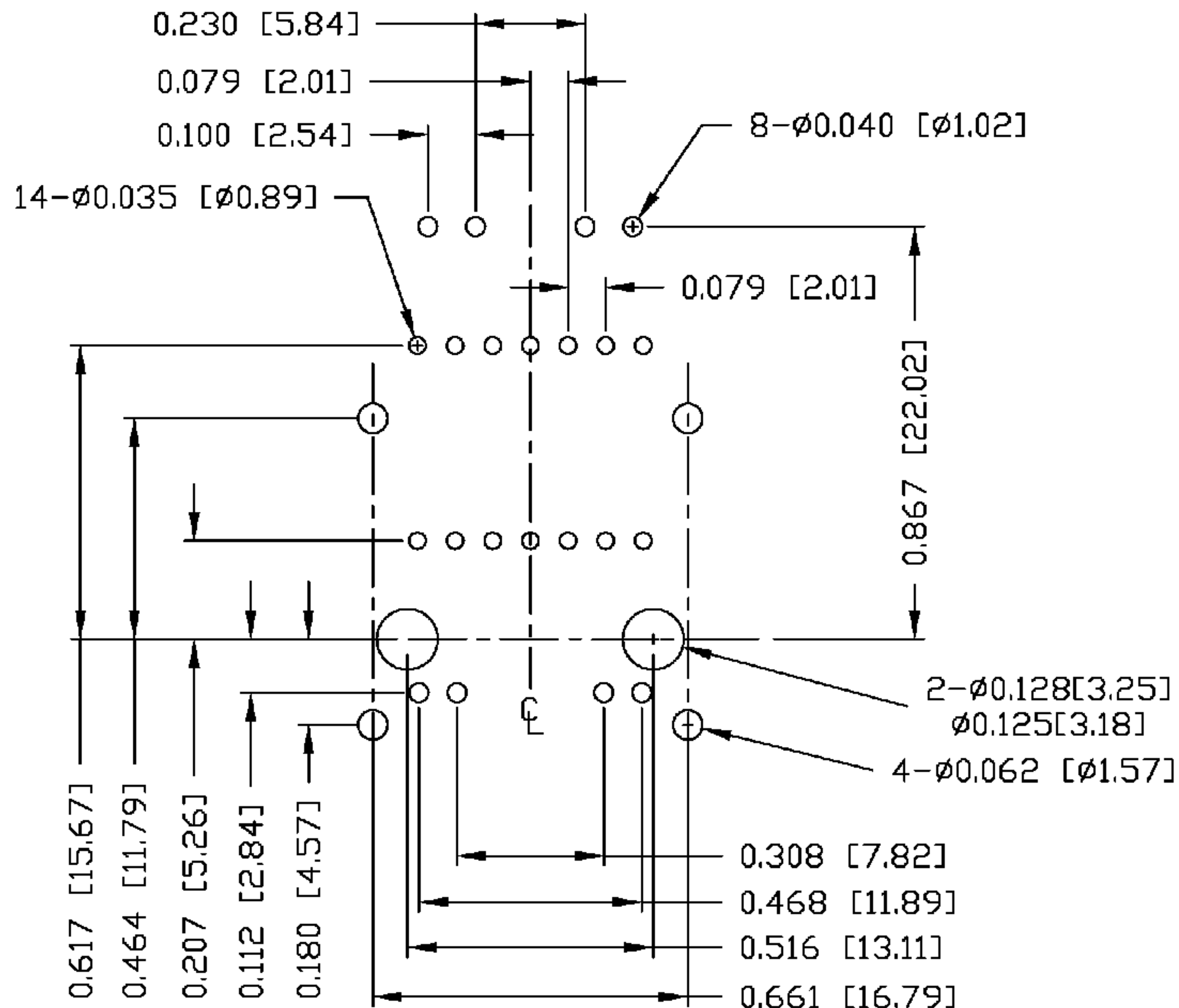
NOTES:

- 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.



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

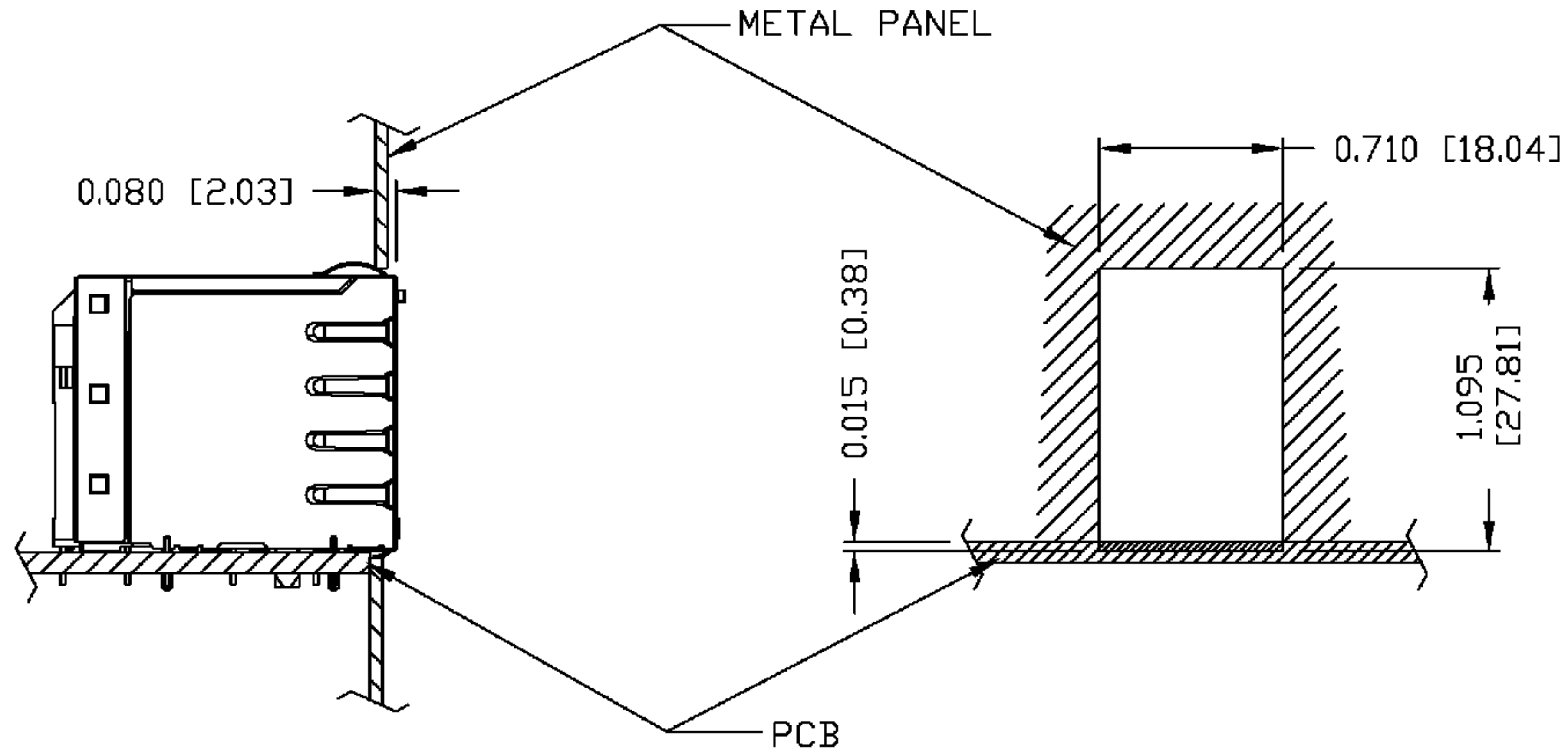
ORIGINATED BY QIN\BILL	DATE 12-07-05	TITLE 2X1 MagJack® (with LED)	PART NO. / DRAWING NO. 0845-2G1A-H5	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE UNIT : INCH [mm] SCALE : N/A 	REV. : PB SIZE : A4 PAGE : 5	 COMPONENTS ON A CONNECTED PLANET
DRAWN BY TING	DATE 12-07-05		FILE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

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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)

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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
TING	12-07-05		08452G1AH5PB.DWG	.XXX ±0.004	SCALE : N/A SIZE : A4 PAGE : 6

