

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.

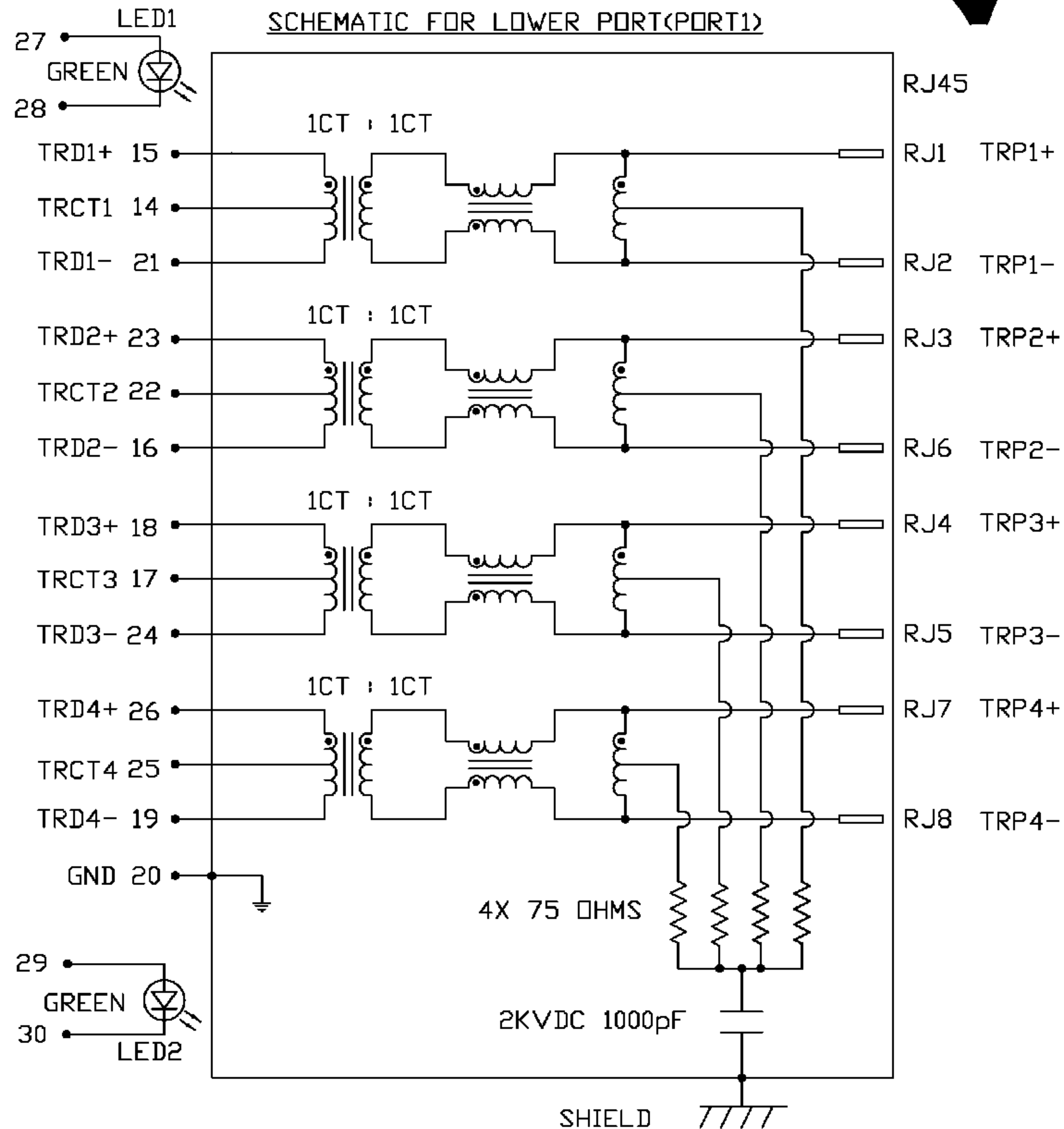
LED1 POLARITY			LED2 POLARITY		
PIN 27	PIN 28	COLOR	PIN 29	PIN 30	COLOR
+	-	GREEN	+	-	GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

<p>URNS RATIO</p> <p>TP1 TP2 TP3 TP4</p> <p>DCL @ 100kHz,100mVRMS 8mA DC BIAS</p> <p>INS. LOSS 100KHz TO 100MHz</p> <p>RET. LOSS (MIN) 1MHz-30MHz 30MHz-60MHz 60MHz-80MHz 80MHz-100MHz</p> <p>CM TO CM REJ 1MHz - 100MHz</p> <p>CROSS TALK 1MHz - 60MHz 60MHz - 100MHz</p> <p>HIPDT (Isolation Voltage)</p> <p>LEAKAGE INDUCTANCE PRIMARY W/ SECONDARY SHORTED</p> <p>INTERWINDING CAPACITANCE PER CHANNEL (PRI. TO SEC.)</p> <p>DC RESISTANCE (21-15)=(16-23)=(24-18)=(19-26) (RJ1-RJ2)=(RJ3-RJ6)=(RJ4-RJ5)=(RJ7-RJ8)</p> <p>LED 1 & LED 2 VF (FORWARD VOLTAGE) λD (DOMINANT WAVELENGTH)</p>	<p>1CT : 1CT ±2% 1CT : 1CT ±2% 1CT : 1CT ±2% 1CT : 1CT ±2%</p> <p>350 uH MIN.</p> <p>-1.1 dB MAX</p> <p>-18 dB -16 dB -14 dB -12 dB</p> <p>-25 dB TYP</p> <p>-35 dB TYP -25 dB TYP</p> <p>1500 Vrms or 2250VDC</p> <p>0.3uH Max. @ 1MHz</p> <p>50pF Max @ 1MHz</p> <p>1.2 ohms Max 1.2 ohms Max</p> <p>IF=20mA GREEN 2.2V TYP. IF=20mA GREEN 565nm TYP.</p>
--	---



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHUNG	06-13-06	2X1 glgabit MagJack® (with LED)	0845-2G1T-J8	.X	UNIT : INCH [mm] REV. : PD
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DE	06-13-06		08452G1TJ8PD.DWG	.XXX	PAGE : 2



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.

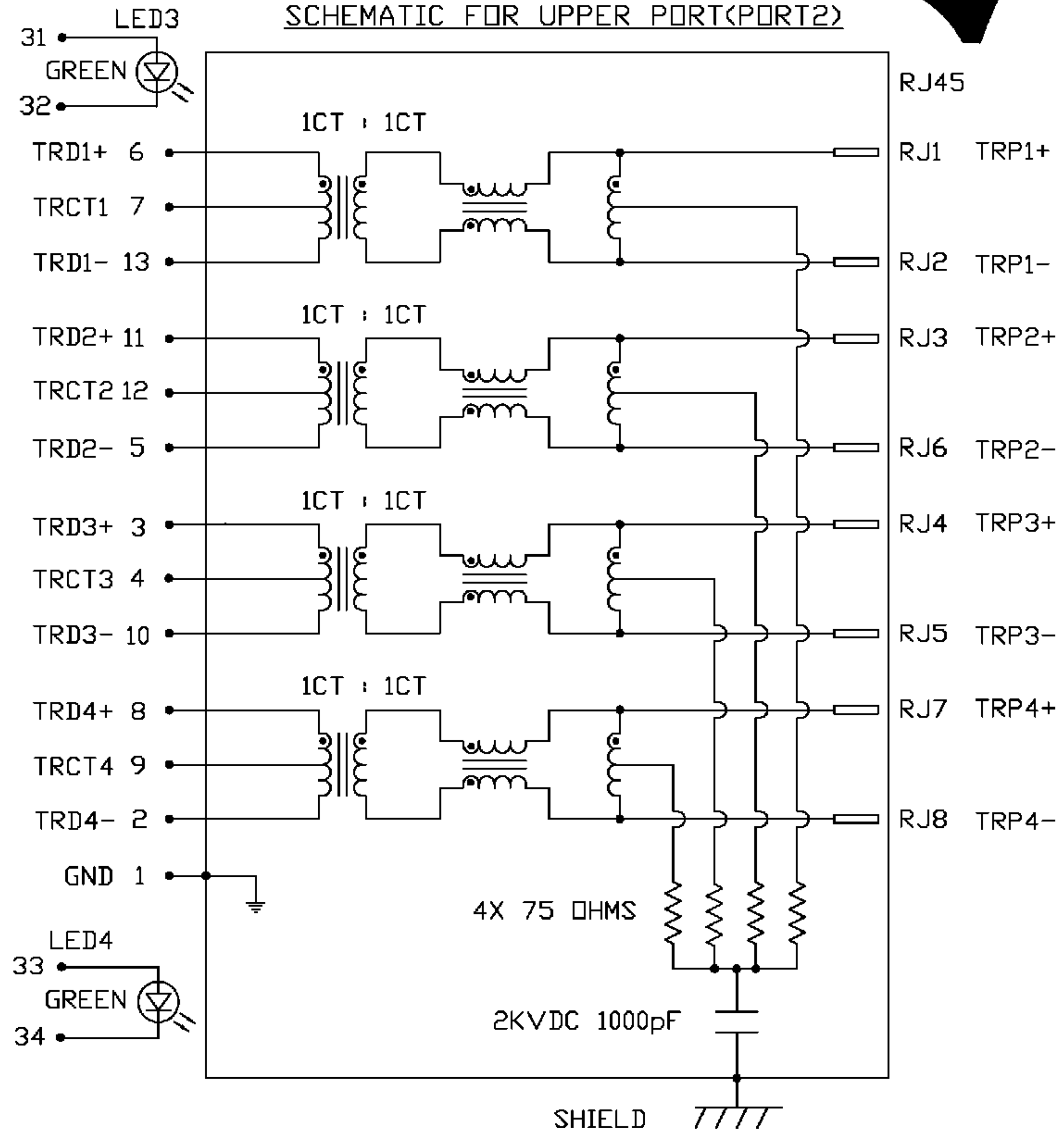
LED3 POLARITY			LED4 POLARITY		
PIN 31	PIN 32	COLOR	PIN 33	PIN 34	COLOR
+	-	GREEN	+	-	GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

<p>URNS RATIO</p> <p>TX 1CT : 1CT ±2%</p> <p>RX 1CT : 1CT ±2%</p> <p>CL @ 100kHz,100mVRMS 8mA DC BIAS 350 uH MIN.</p> <p>INS. LOSS 100KHz TO 100MHz -1.1 dB MAX</p> <p>RET. LOSS (MIN)</p> <p>1MHz-30MHz -18 dB</p> <p>30MHz-60MHz -16 dB</p> <p>60MHz-80MHz -14 dB</p> <p>80MHz-100MHz -12 dB</p> <p>CM TO CM REJ 1MHz - 100MHz -25 dB TYP</p> <p>CROSS TALK 1MHz - 60MHz -35 dB TYP</p> <p>60MHz - 100MHz -25 dB TYP</p> <p>HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC</p> <p>LEAKAGE INDUCTANCE PRIMARY W/ SECONDARY SHORTED 0.3uH Max. @ 1MHz</p> <p>INTERWINDING CAPACITANCE PER CHANNEL (PRI. TO SEC.) 30pF Max @ 1MHz</p> <p>DC RESISTANCE (6-13)=(11-5)=(3-10)=(8-2) 1.4 ohms Max</p> <p>(RJ1-RJ2)=(RJ3-RJ6)=(RJ4-RJ5)=(RJ7-RJ8) 1.2 ohms Max</p> <p>LED 3 & LED 4 (SUPER BRIGHT)</p> <p>VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.</p> <p>λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.</p>	
---	--



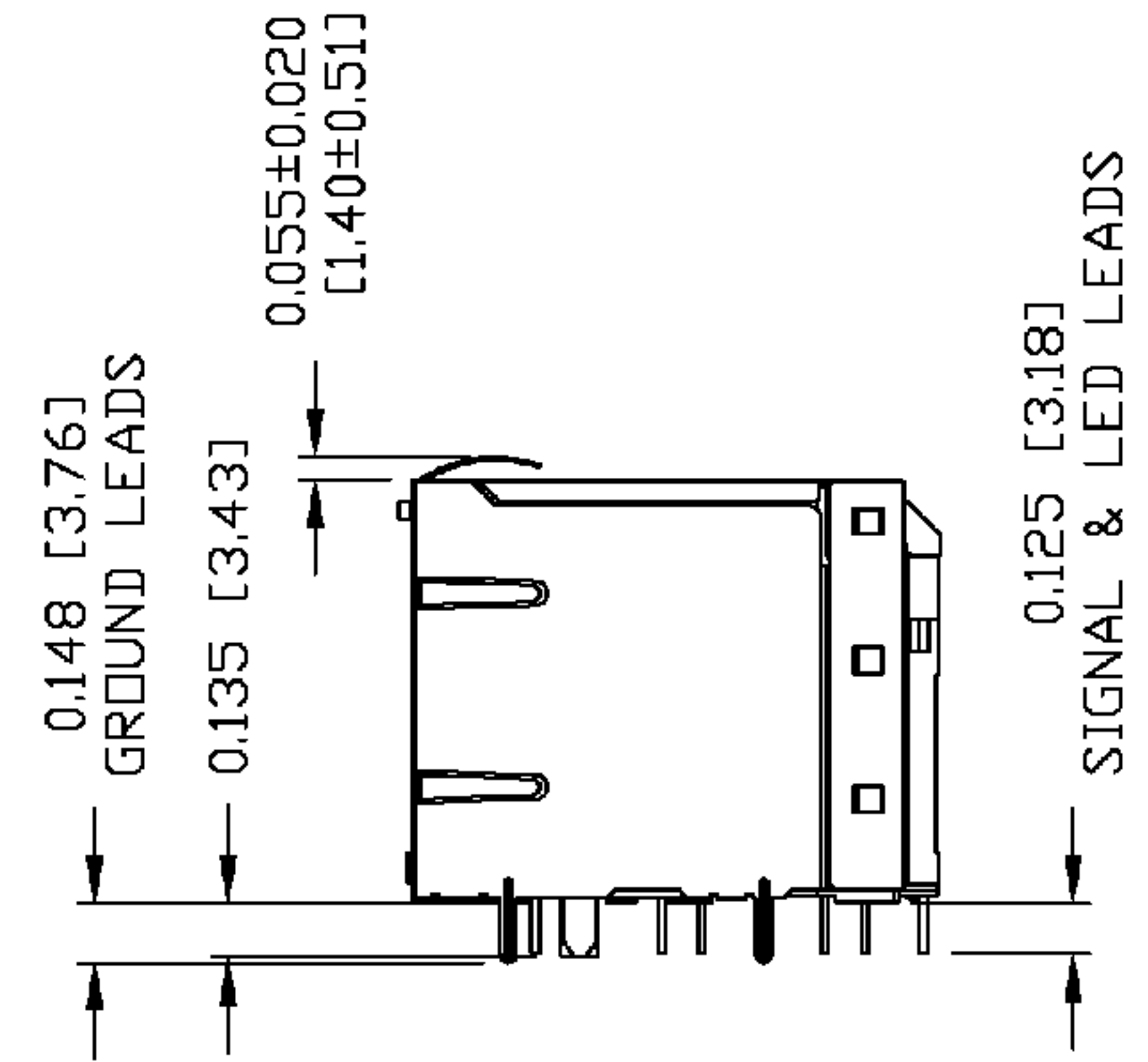
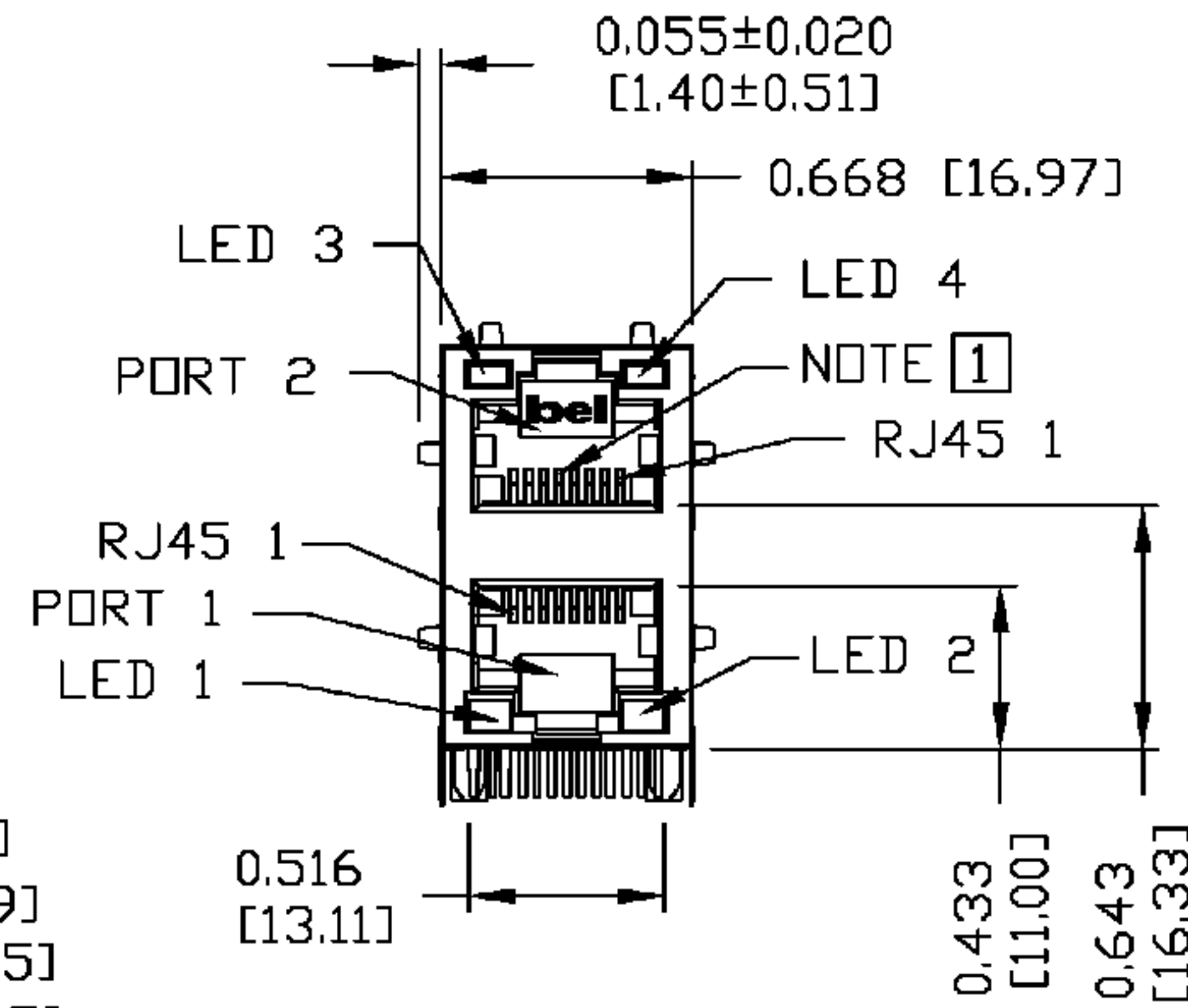
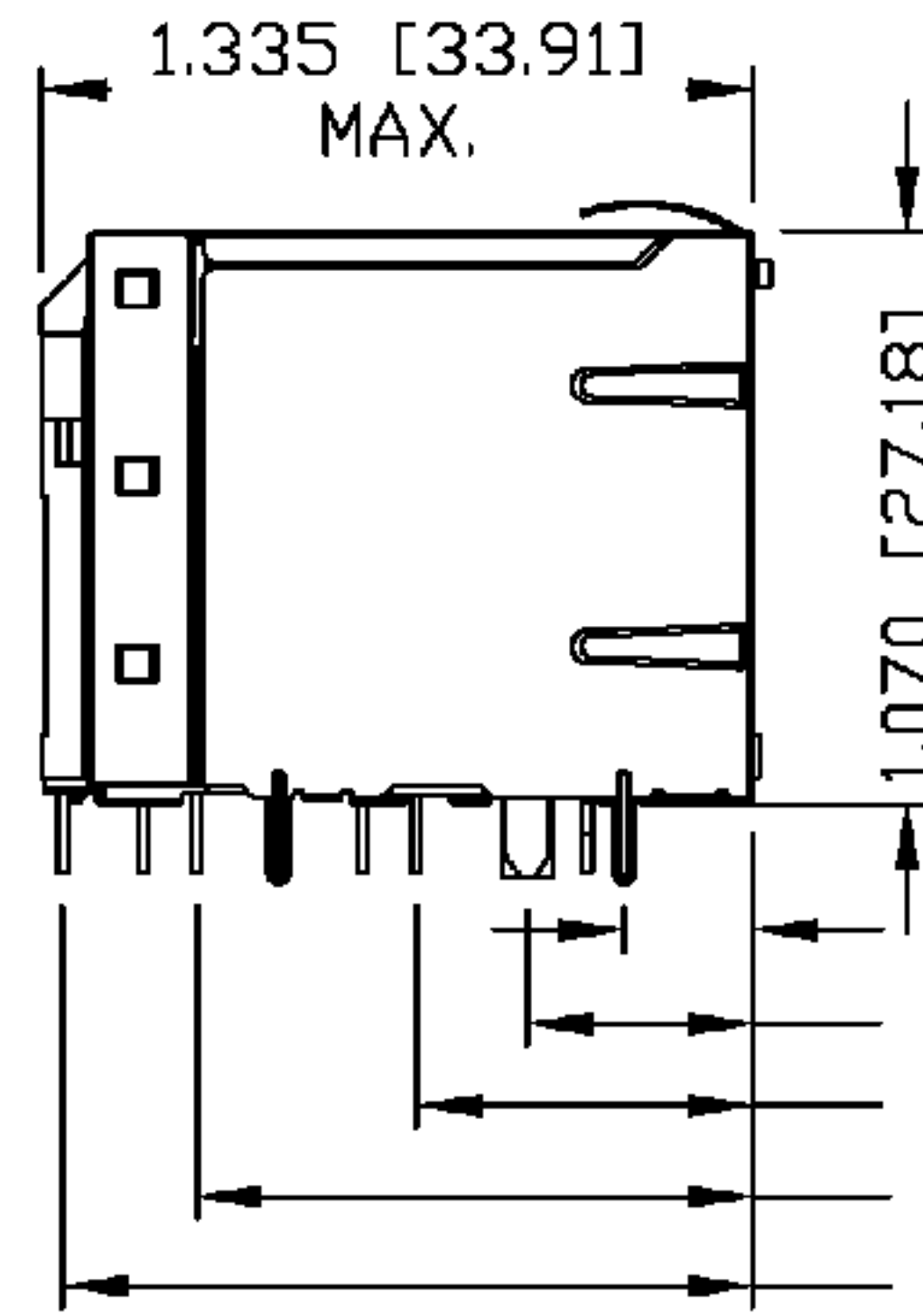
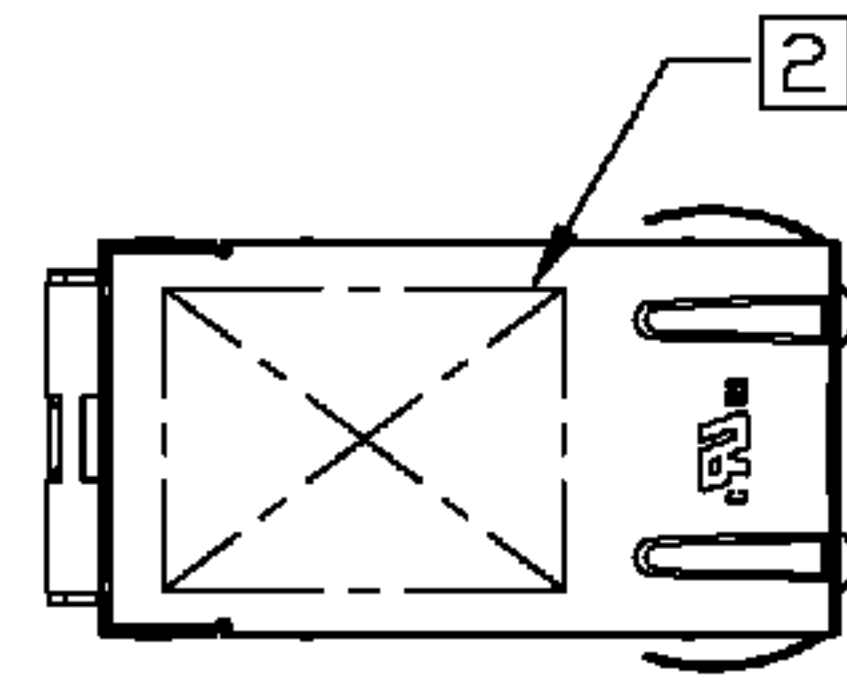
ORIGINATED BY CHUNG	DATE 06-13-06	TITLE 2X1 gigabit MagJack® (with LED)	PART NO. / DRAWING NO. 0845-2G1T-J8	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REFERENCE UNIT : INCH [mm] SCALE : N/A	REV. : PD SIZE : A4 PAGE : 3	
DRAWN BY DE	DATE 06-13-06		FILE NAME 08452G1TJ8PD.DWG				

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.

RoHS
2002/95/EC



PRELIMINARY



NOTES:

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

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

[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.

c us UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
BILL/KEUNG	06-13-06	2X1 gigabit MagJack® (with LED)	0845-2G1T-J8	TOL. IN INCH	UNIT : INCH [mm]	REV. : PD
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
CHRIS	06-13-06		08452G1TJ8PD.DWG	.XX		PAGE : 4
				.XXX		±0.010

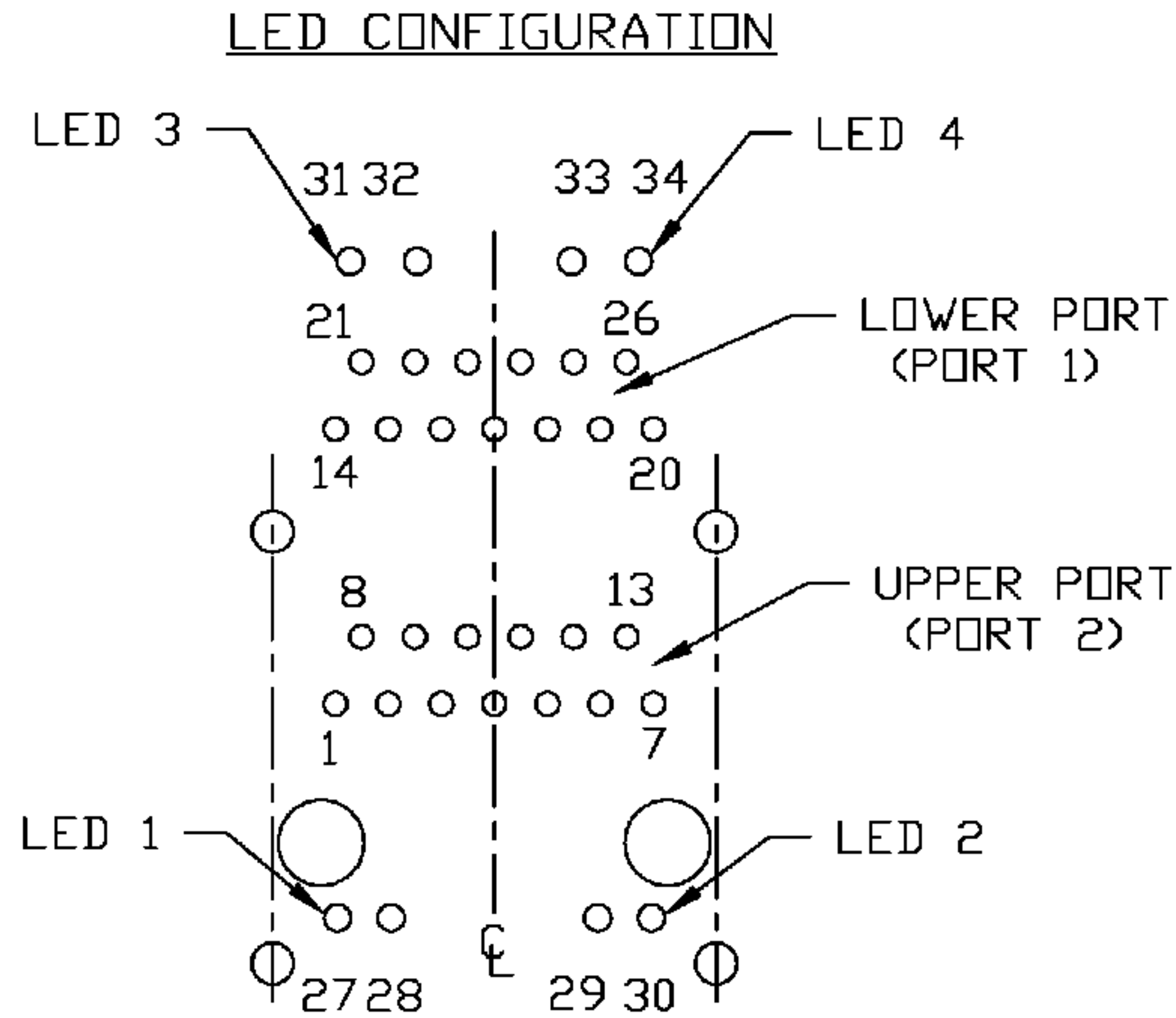


THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

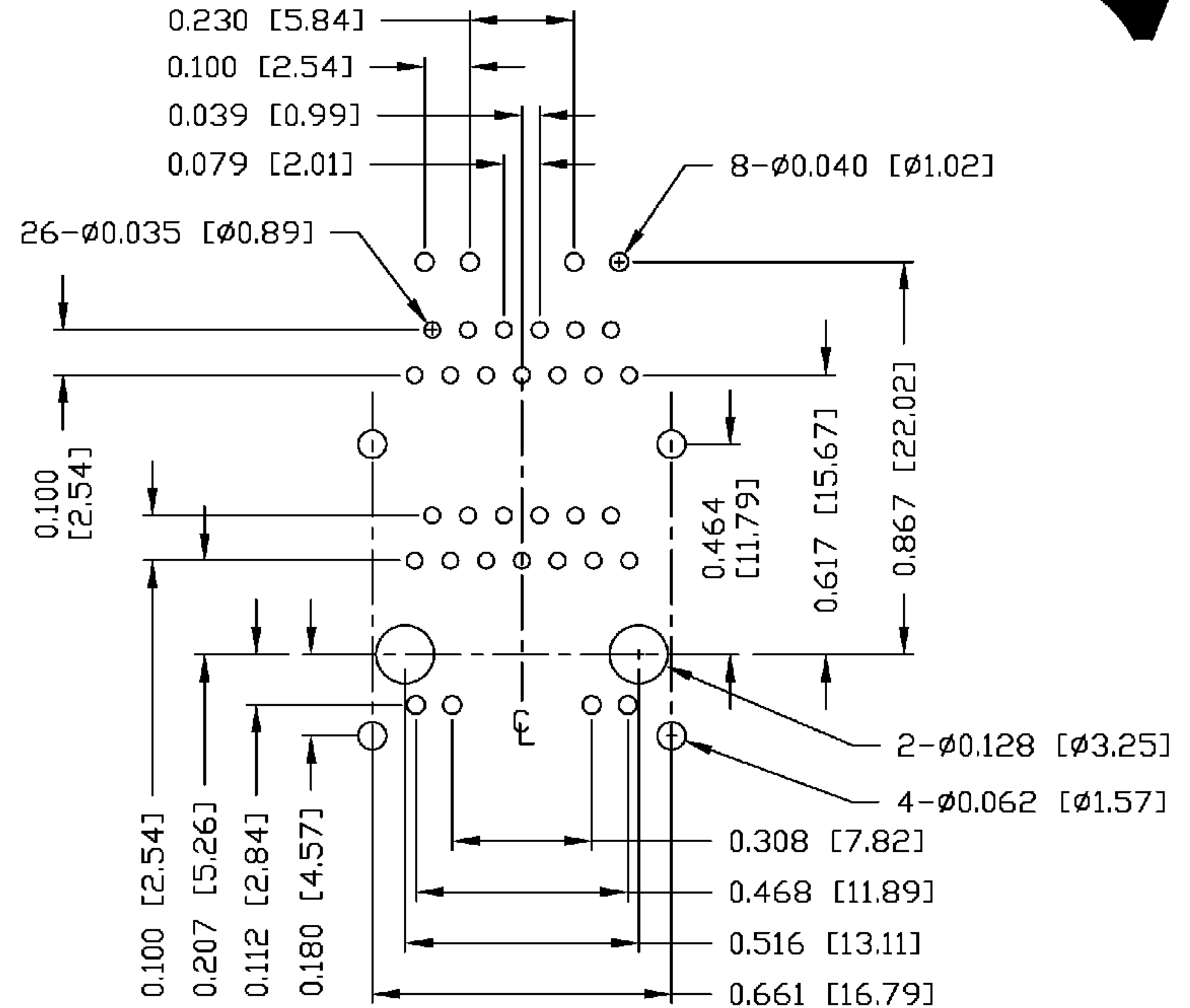
RoHS
2002/96/EC



PRELIMINARY



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



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

ORIGINATED BY BILL/KEUNG	DATE 06-13-06	TITLE 2X1 gigabit MagJack® (with LED)	PART NO. / DRAWING NO. 0845-2G1T-J8	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY CHRIS	DATE 06-13-06		FILE NAME 08452G1TJ8PD.DWG	.X	UNIT : INCH [mm]	REV. : PD
				.XX	SCALE : N/A	SIZE : A4
				.XXX ±0.004		PAGE : 5

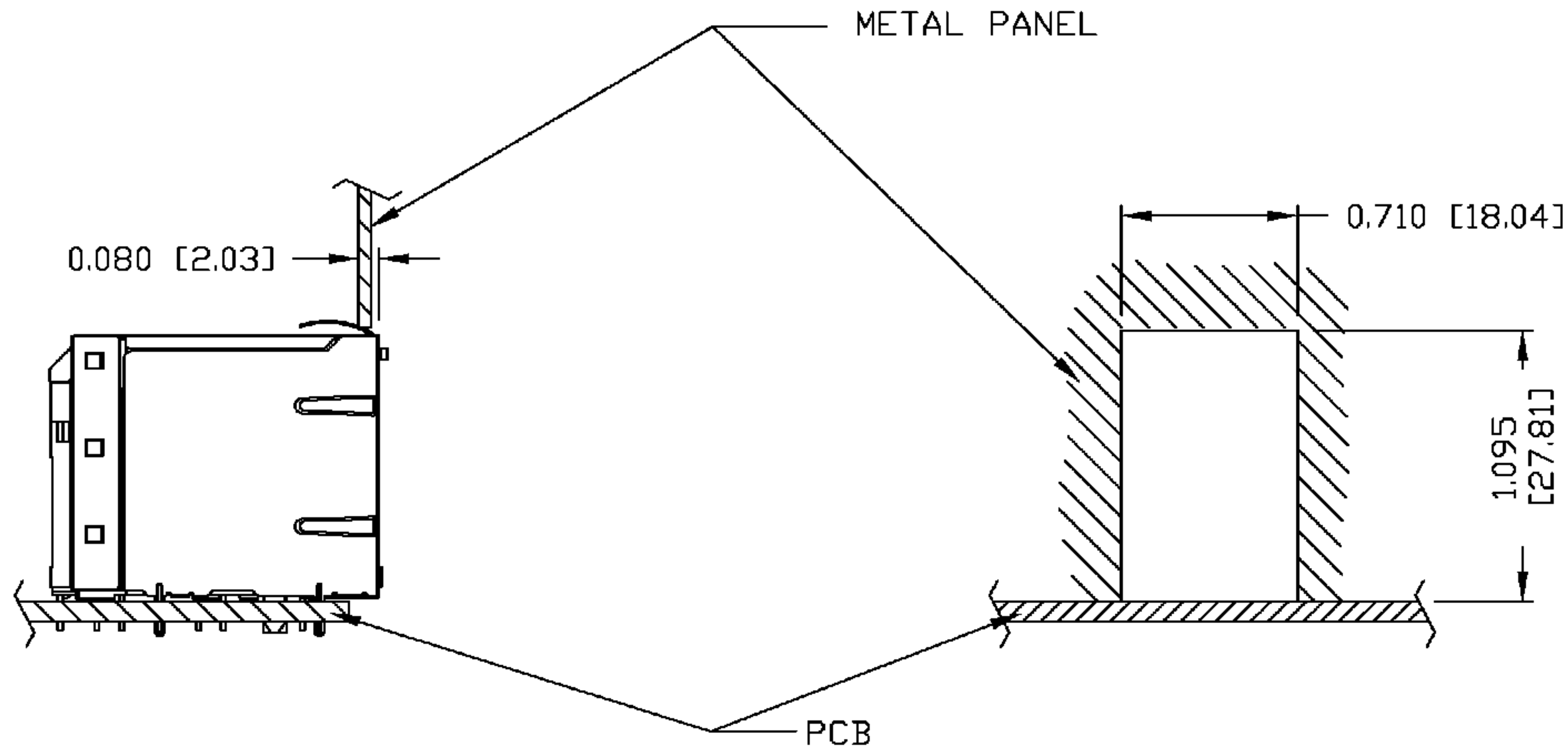


THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY



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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
BILL/KEUNG	06-13-06	2X1 glgabit MagJack® (with LED)	0845-2G1T-J8	TOL. IN INCH	UNIT : INCH [mm]	REV. : PD
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
CHRIS	06-13-06		08452G1TJ8PD.DWG	.XX		PAGE : 6
			.XXX	±0.004		

