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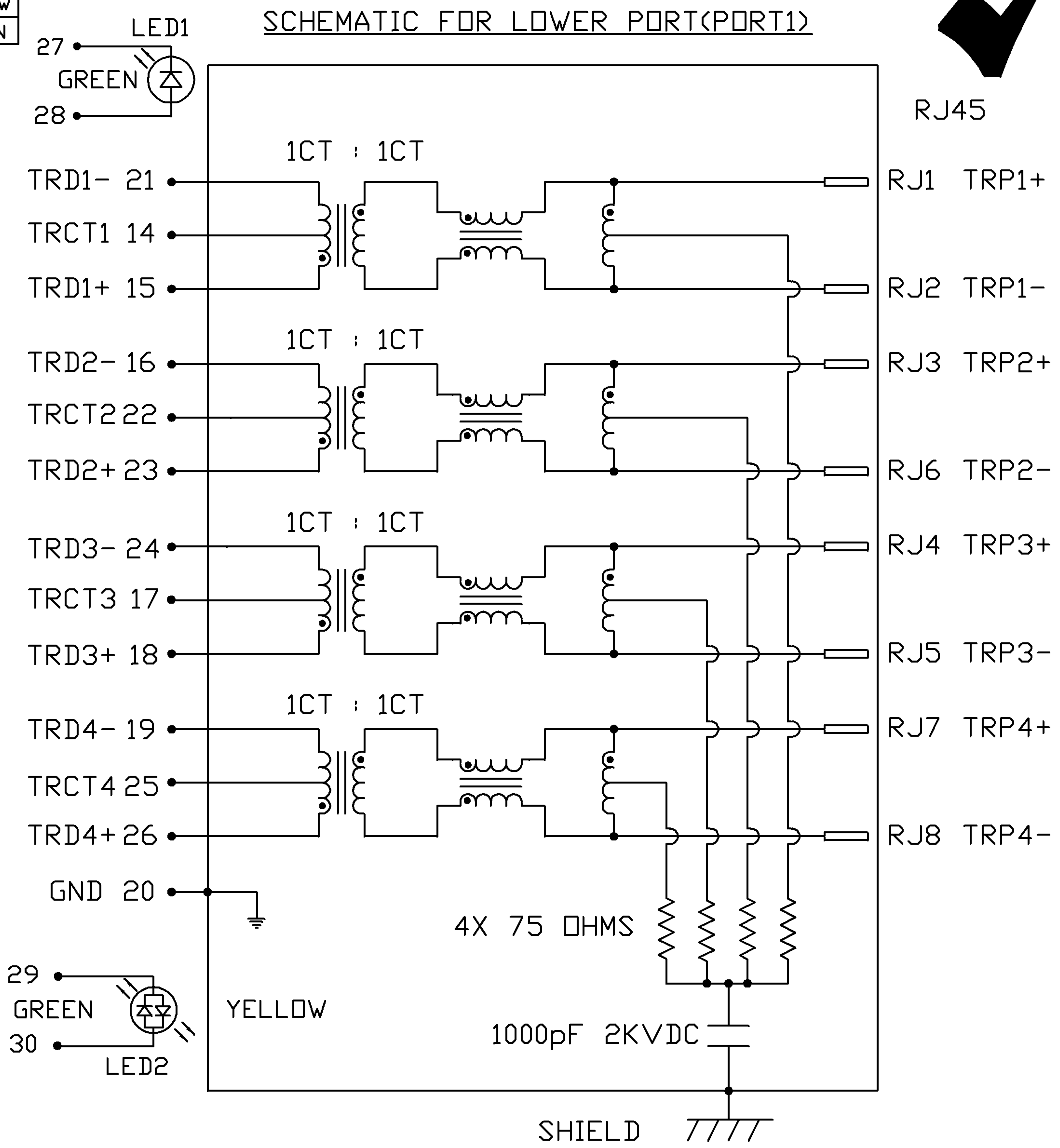
LED1 POLARITY			LED2 POLARITY		
PIN 27	PIN 28	COLOR	PIN 29	PIN 30	COLOR
-	+	GREEN	+	-	YELLOW
			-	+	GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

<p>URNS RATIO</p> <p>TP1 1CT : 1CT ±2%</p> <p>TP2 1CT : 1CT ±2%</p> <p>TP3 1CT : 1CT ±2%</p> <p>TP4 1CT : 1CT ±2%</p> <p>DCL @ 100kHz,100mVRMS 8mA DC BIAS 350 μH MIN.</p> <p>INS. LOSS 100KHz TO 100MHZ -1.1 dB MAX</p> <p>RET. LOSS (MIN) 1MHZ-30MHZ -18 dB 30MHZ-60MHZ -16 dB 60MHZ-80MHZ -14 dB 80MHZ-100MHZ -12 dB</p> <p>CM TO CM REJ 100kHz - 100MHZ -25 dB TYP</p> <p>CROSS TALK 1MHZ - 60MHZ -35 dB TYP 60MHZ - 100MHZ -25 dB TYP</p> <p>HIPOT (Isolation Voltage): 100% OF PRODUCT TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS 1500 Vrms</p> <p>LEAKAGE INDUCTANCE PRIMARY W/ SECONDARY SHORTED 0.3μH Max. @ 1MHz</p> <p>INTERWINDING CAPACITANCE PER CHANNEL (PRI. TO SEC.) 50pF Max @ 1MHz</p> <p>DC RESISTANCE (21-15)=(16-23)=(24-18)=(19-26) 1.2 ohms Max (RJ1-RJ2)=(RJ3-RJ6)=(RJ4-RJ5)=(RJ7-RJ8) 1.2 ohms Max</p> <p>OPERATING TEMPERATURE: -40 TO +85°C</p> <p>LED 1 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.</p> <p>LED 2 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 2.1V TYP. IF=20mA GREEN 565nm TYP. IF=20mA YELLOW 590nm TYP.</p>	
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ORIGINATED BY CHOW WANGCHUNG	DATE 11-06-08	TITLE 2X1 gigabit MagJack® (Extend Temperature of -E4)	PART NO. / DRAWING NO. 0845-2R1T-DY	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	<p>COMPONENTS FOR A CONNECTED PLANET</p>
DRAWN BY LI YONGFENG	DATE 11-06-08	FILE NAME 0845-2R1T-DY_PB.DWG	.X	UNIT : INCH [mm]	REV. : PB	
			.XX	SCALE : N/A	SIZE : A4	
			.XXX		PAGE : 2	

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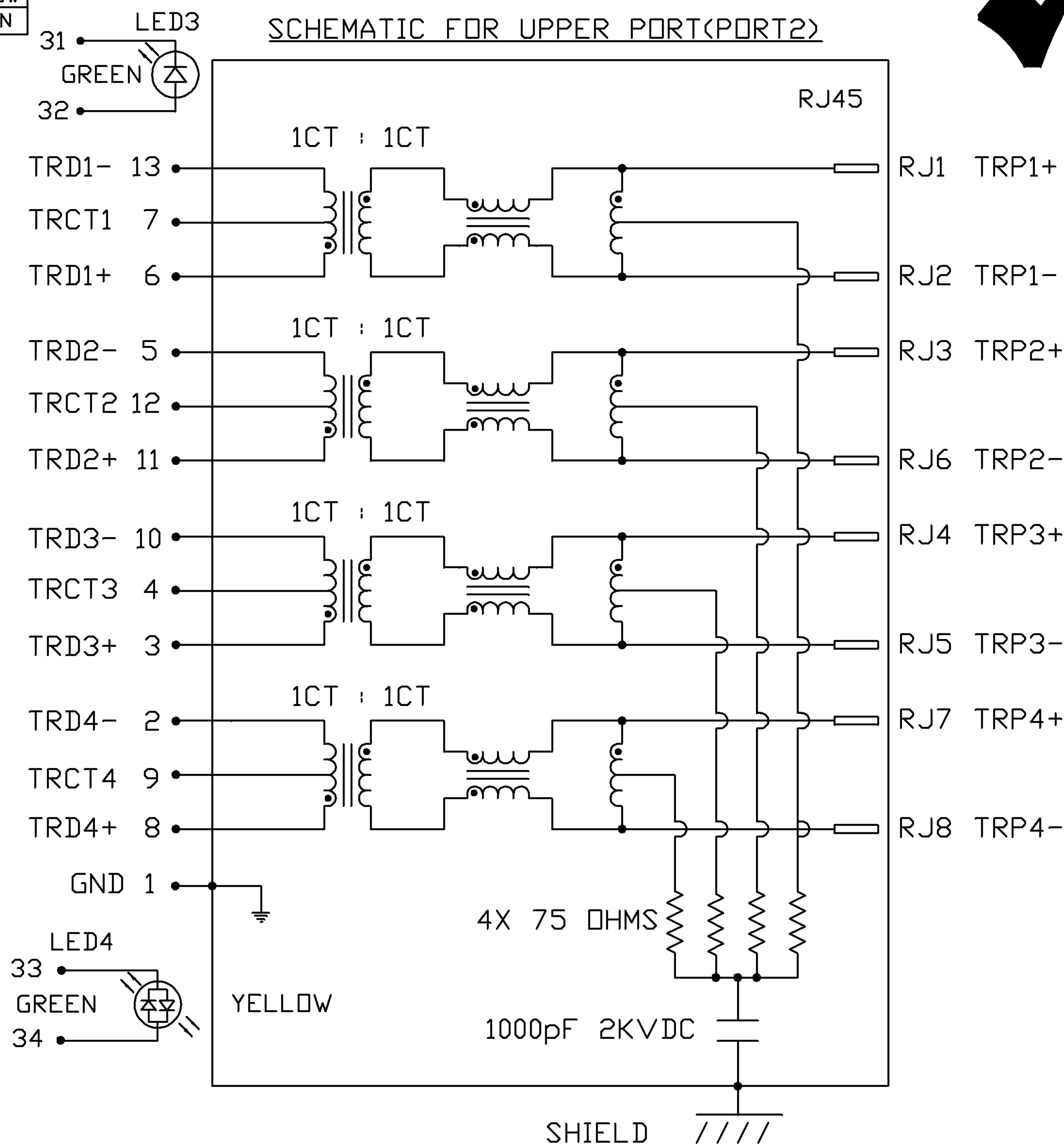
LED3 POLARITY			LED4 POLARITY		
PIN 31	PIN 32	COLOR	PIN 33	PIN 34	COLOR
-	+	GREEN	+	-	YELLOW
			-	+	GREEN

PRELIMINARY

RoHS
2002/95/EC

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO	
TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%
□CL @ 100kHz,100mVRMS	
8mA DC BIAS	350 μH MIN.
INS. LOSS	
100KHz TO 100MHZ	-1.1 dB MAX
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-16 dB
60MHz-80MHz	-14 dB
80MHz-100MHz	-12 dB
CM TO CM REJ	
100kHz - 100MHZ	-25 dB TYP
CROSS TALK	
1MHz - 60MHz	-35 dB TYP
60MHz - 100MHz	-25 dB TYP
HIPOT (Isolation Voltage):	1500 Vrms
100% OF PRODUCT TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS	
LEAKAGE INDUCTANCE	
PRIMARY W/ SECONDARY SHORTED	0.3μH Max. @ 1MHz
INTERWINDING CAPACITANCE	
PER CHANNEL (PRI. TO SEC.)	50pF Max @ 1MHz
DC RESISTANCE	
(13-6)=(5-11)=(10-3)=(2-8)	1.2 ohms Max
(RJ1-RJ2)=(RJ3-RJ6)=(RJ4-RJ5)=(RJ7-RJ8)	1.2 ohms Max
OPERATING TEMPERATURE:	-40 TO +85°C
LED 3 (Super bright)	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.
LED 4 (Super bright)	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
	IF=20mA YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.
	IF=20mA YELLOW 590nm TYP.



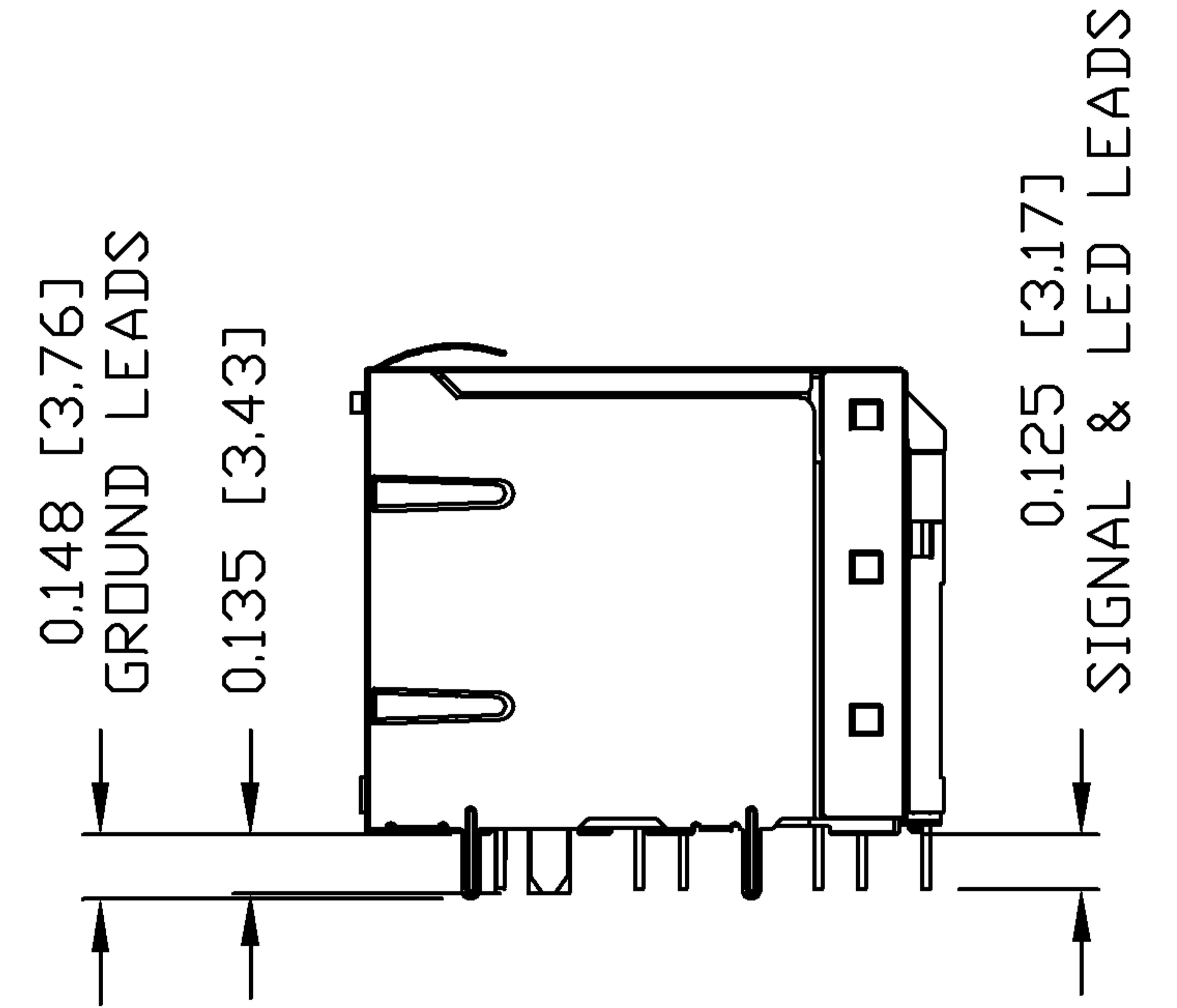
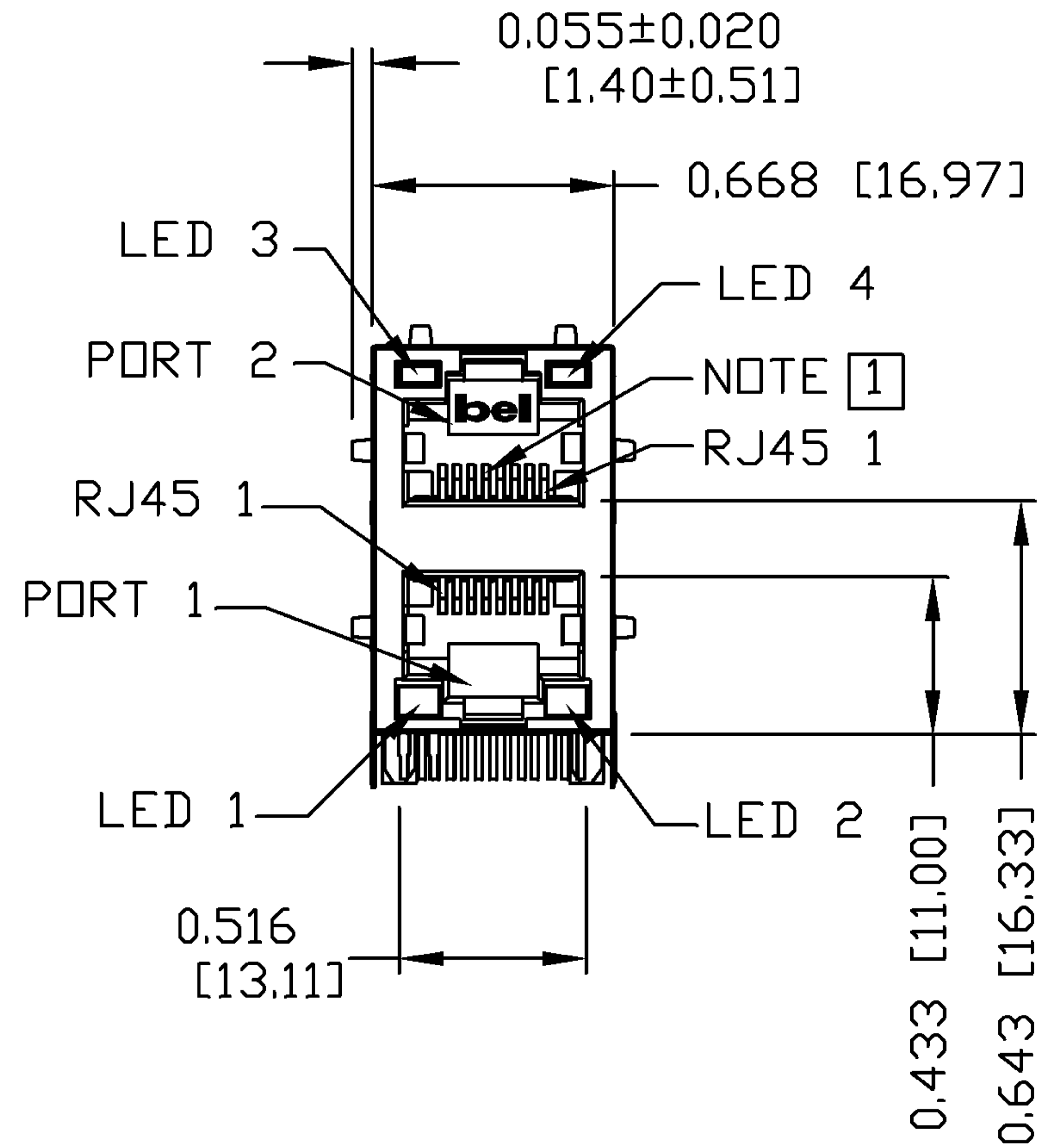
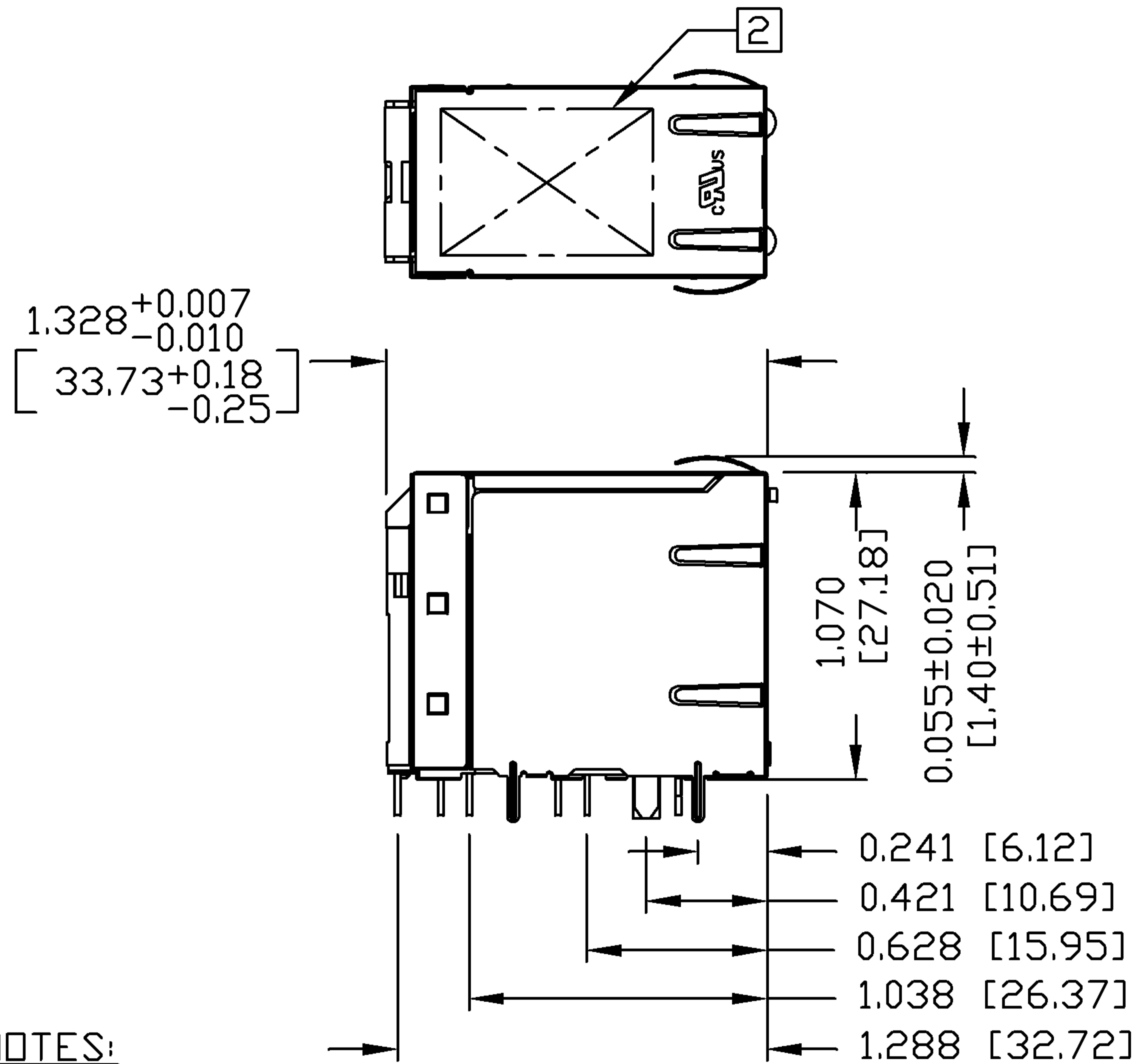
ORIGINATED BY CHOW WANCHUNG	DATE 11-06-08	TITLE 2X1 gigabit MagJack® (Extend Temperature of -E4)	PART NO. / DRAWING NO. 0845-2R1T-DY	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY LI YONGFENG	DATE 11-06-08		FILE NAME 0845-2R1T-DY_PB.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A	REV. : PB SIZE : A4 PAGE : 3



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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 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.

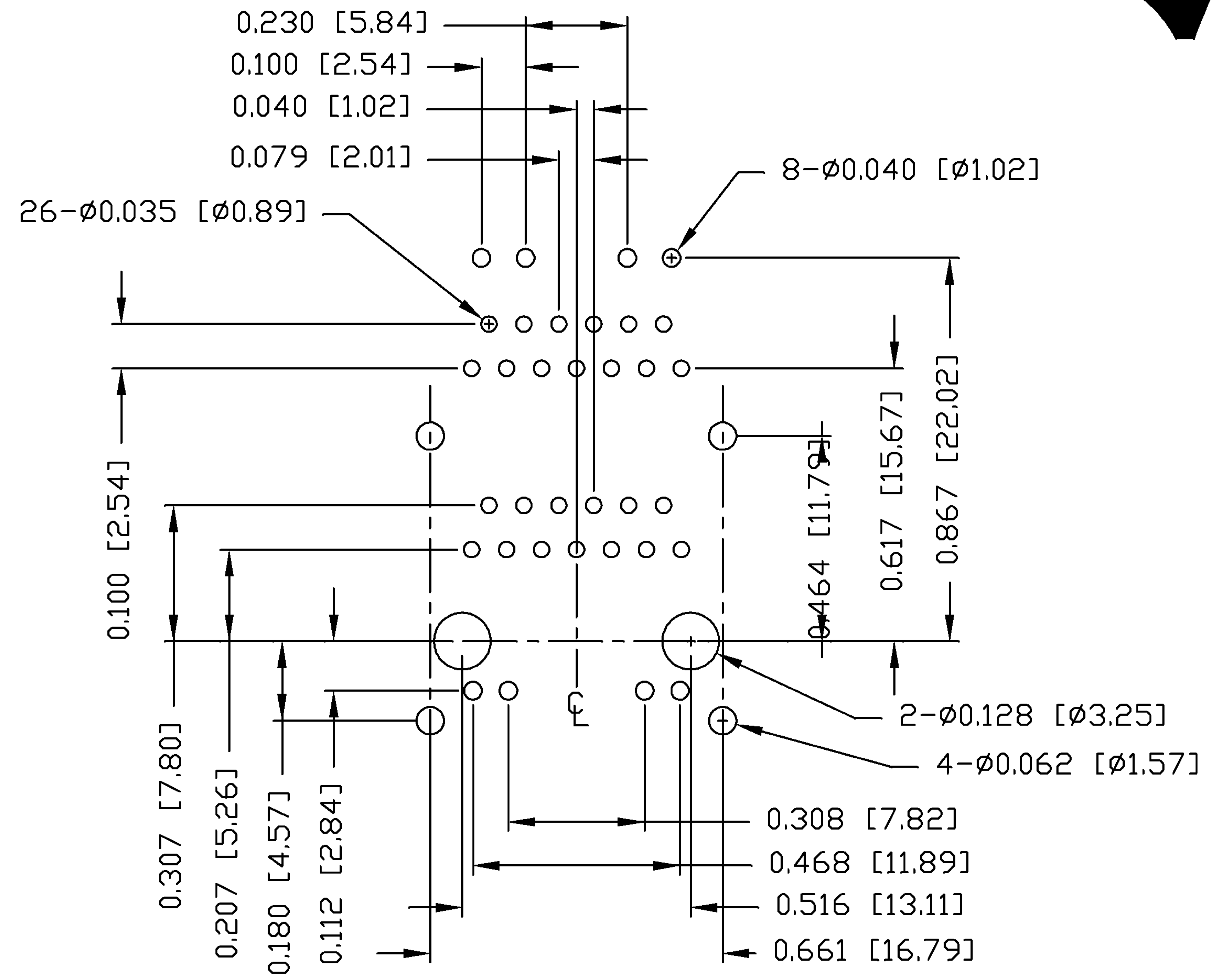
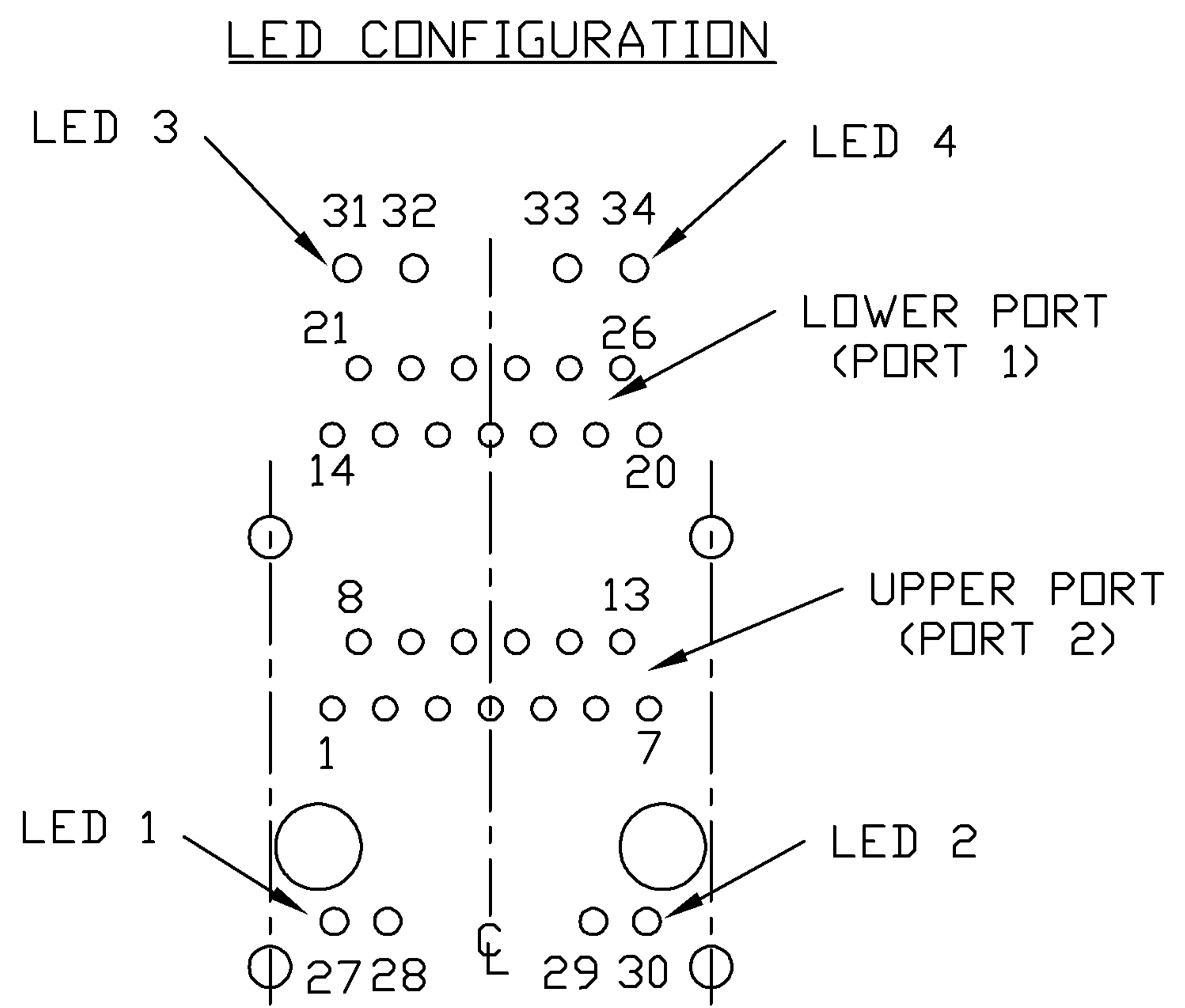
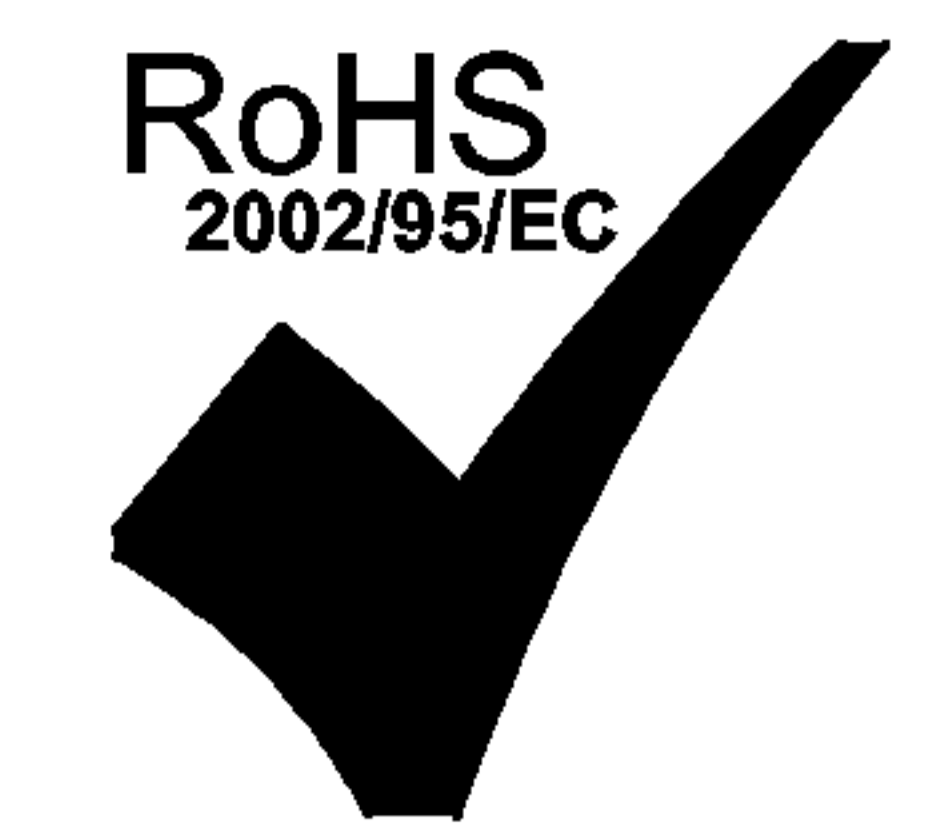
[2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

c usUL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY CHEN BILL	DATE 11-06-08	TITLE 2X1 gigabit MagJack® (Extend Temperature of -E4)	PART NO. / DRAWING NO. 0845-2R1T-DY	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.010	[] METRIC DIM. AS REFERENCE UNIT : INCH [mm] SCALE : N/A 	REV. : PB SIZE : A4 PAGE : 4	COMPONENTS FOR A CONNECTED PLANET
DRAWN BY XIAN JIAXIN	DATE 11-06-08		FILE NAME 0845-2R1T-DY_PB.DWG				

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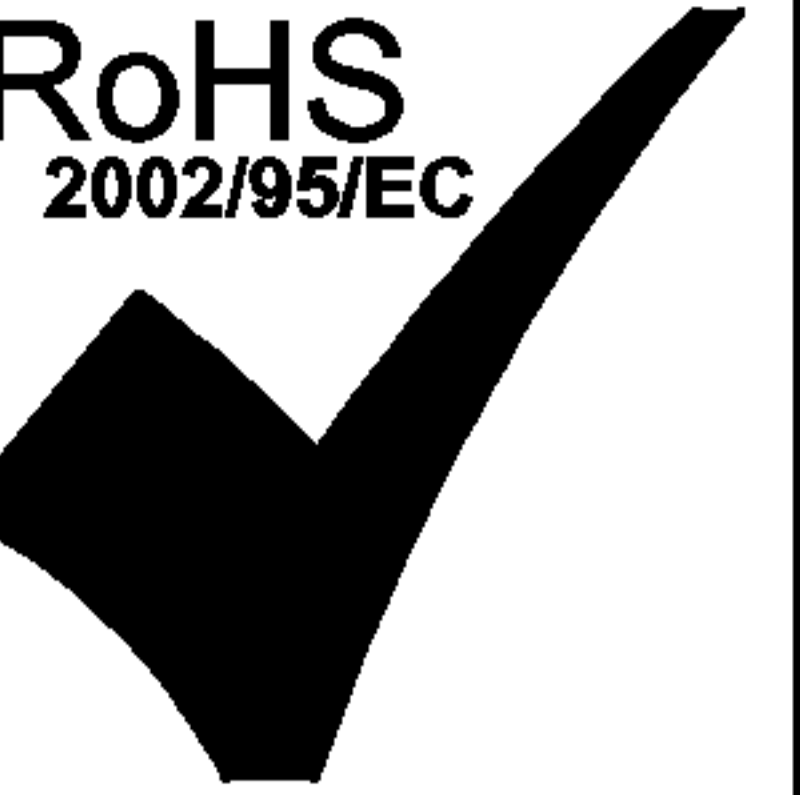
PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)
(SCALE 2:1)

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

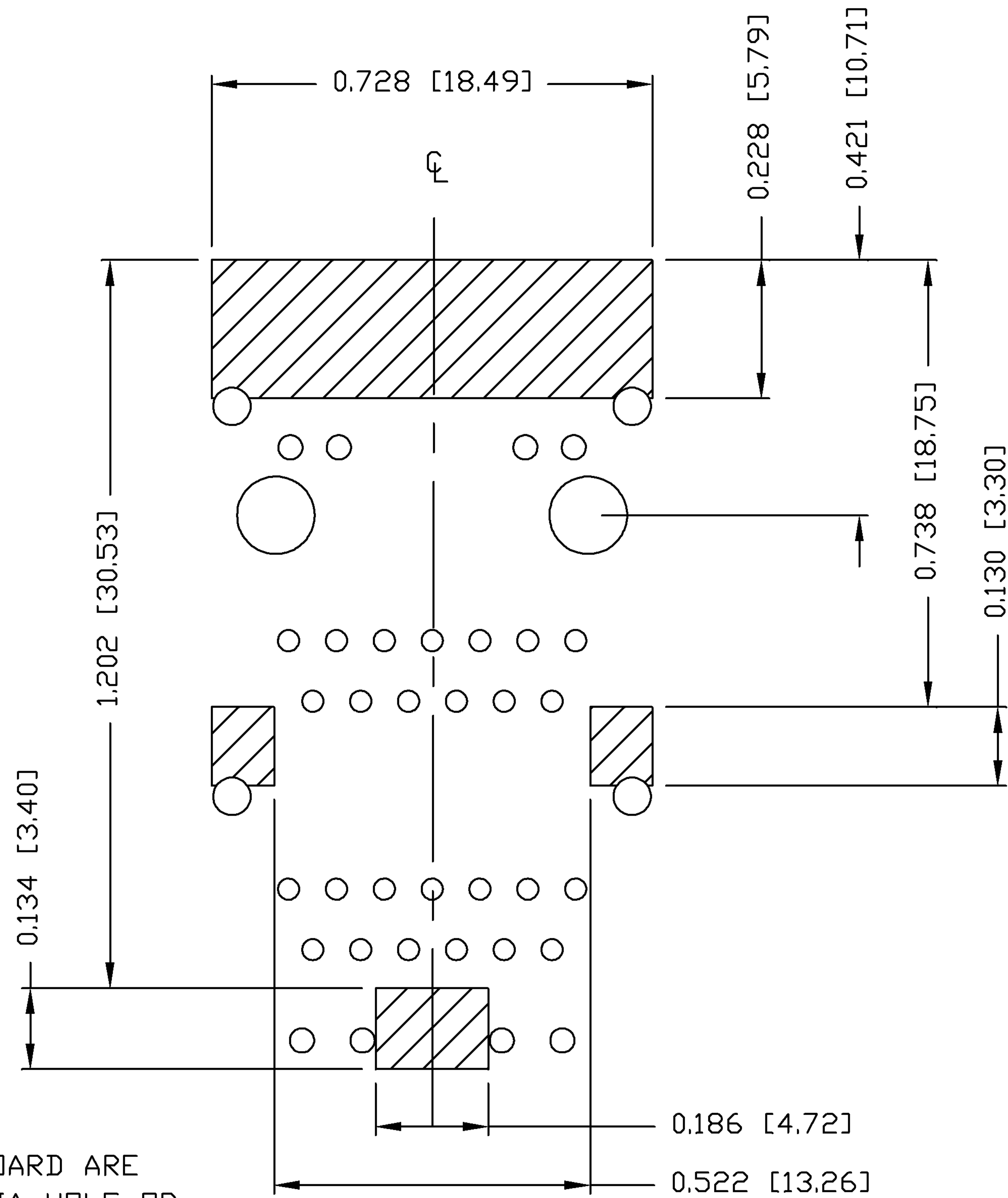
ORIGINATED BY CHEN BILL	DATE 11-06-08	TITLE 2X1 gigabit MagJack® (Extend Temperature of -E4)	PART NO. / DRAWING NO. 0845-2R1T-DY	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[] METRIC DIM. AS REFERENCE		COMPONENTS FOR A CONNECTED PLANET
DRAWN BY XIAN JIAXIN	DATE 11-06-08		FILE NAME 0845-2R1T-DY_PB.DWG		UNIT : INCH [mm]	REV. : PB	
					SCALE : N/A	SIZE : A4	
						PAGE : 5	

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2002/95/EC



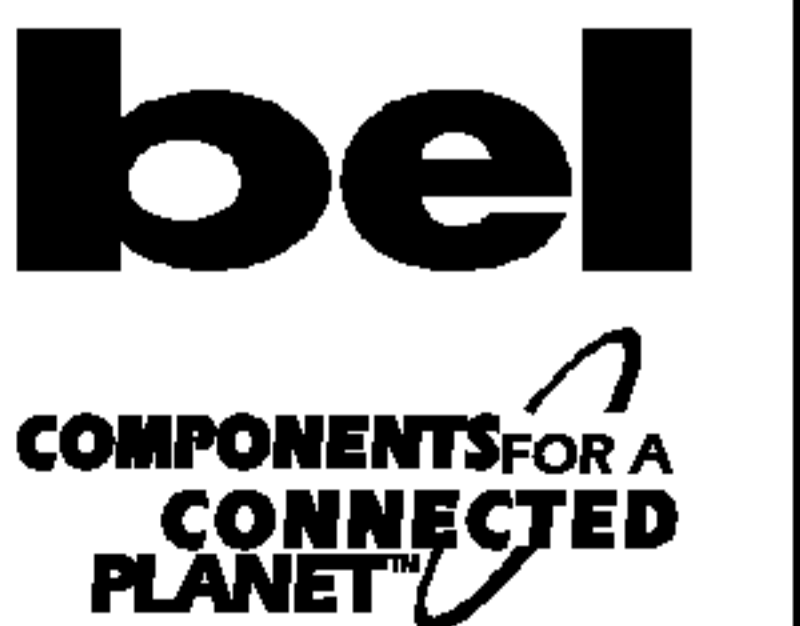
PRELIMINARY



NOTES

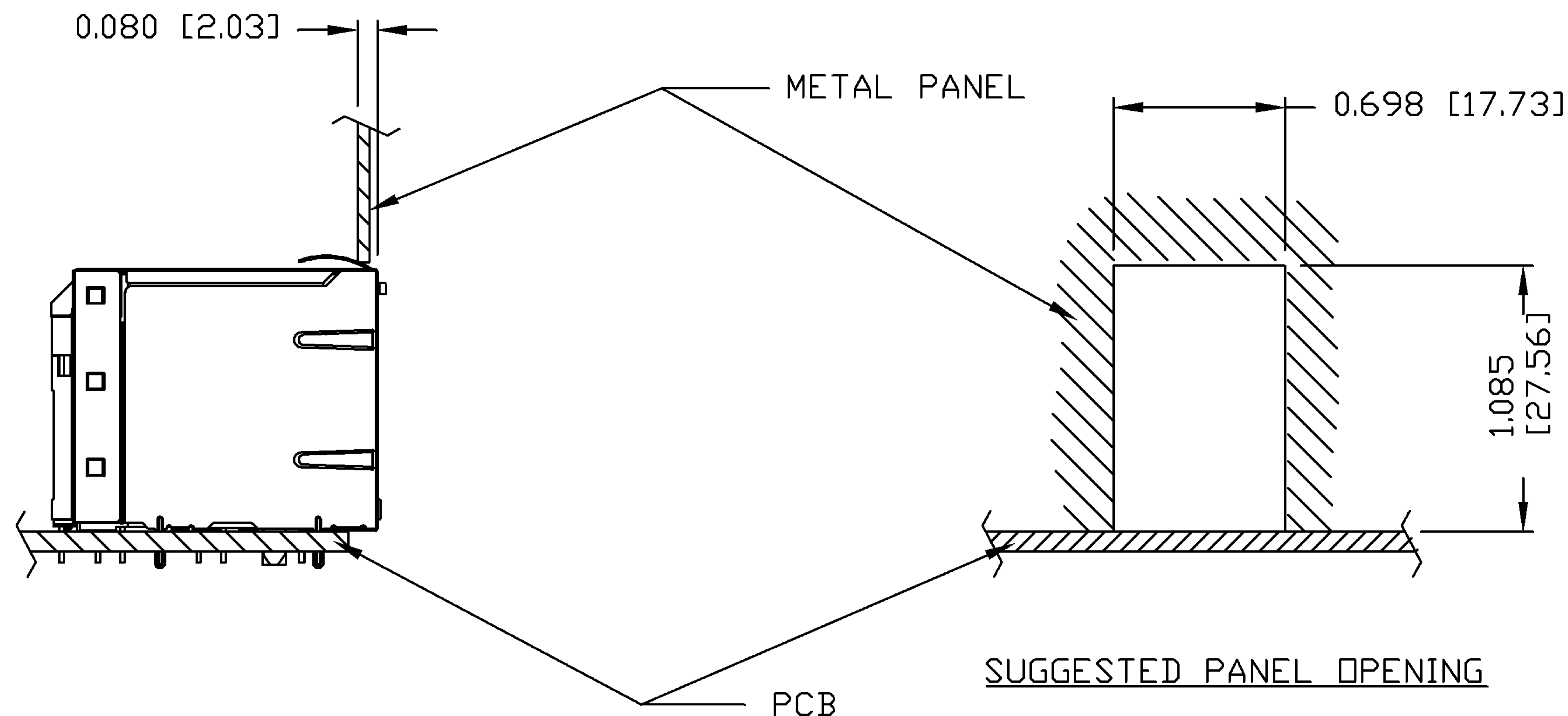
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY CHEN BILL	DATE 11-06-08	TITLE 2X1 gigabit MagJack® (Extend Temperature of -E4)	PART NO. / DRAWING NO. 0845-2R1T-DY	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY XIAN JIAXIN	DATE 11-06-08		FILE NAME 0845-2R1T-DY_PB.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A	REV. : PB SIZE : A4 PAGE : 6
				±0.004		



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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.

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 XIAN JIAXIN	DATE 11-06-08		FILE NAME 0845-2R1T-DY_PB.DWG	.X	UNIT : INCH [mm]		REV. : PB
				.XX	SCALE : N/A		SIZE : A4
				.XXX ±0.004		PAGE : 7	