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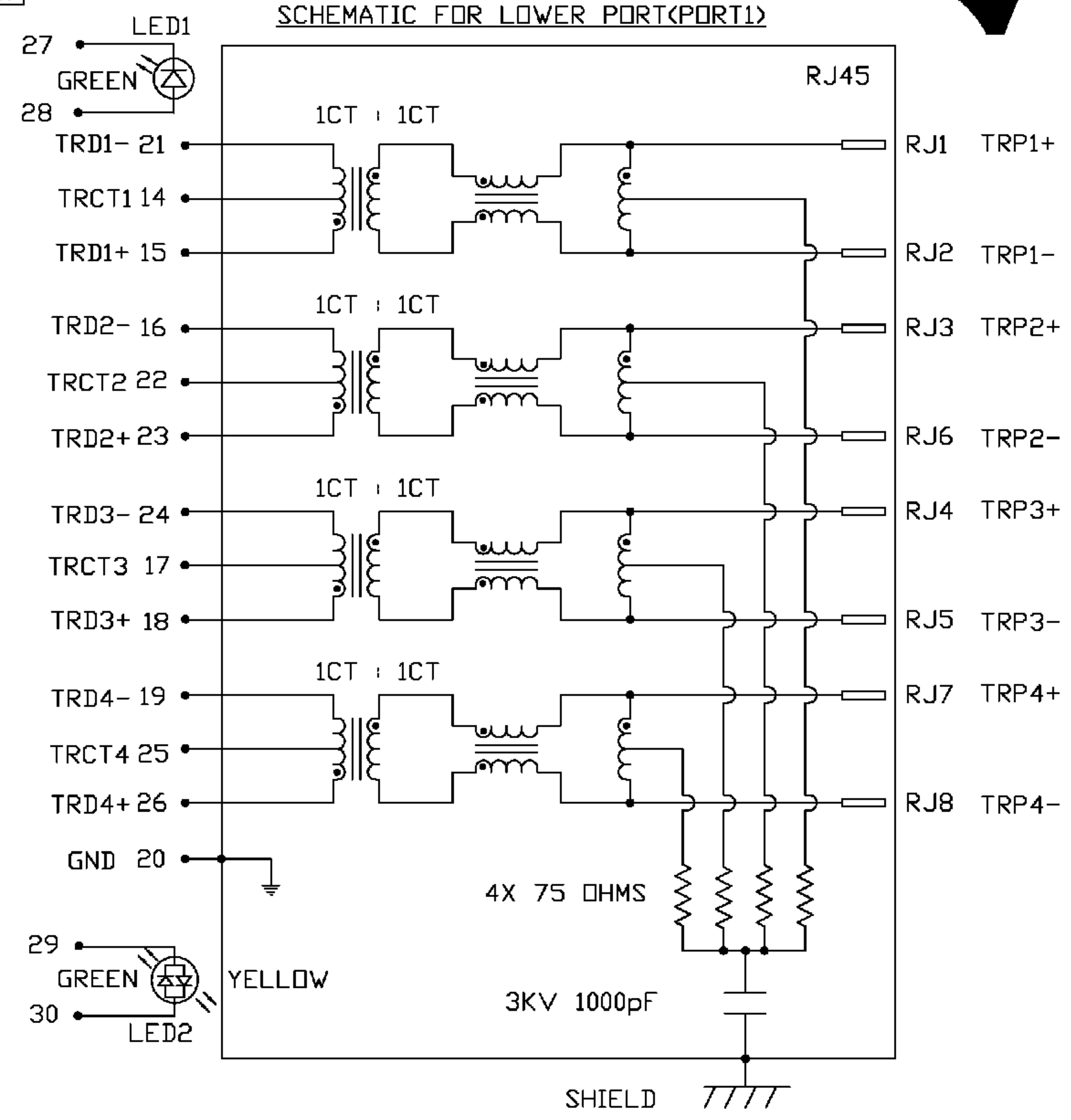
LED1 POLARITY			LED2 POLARITY		
PIN 27	PIN 28	COLOR	PIN 29	PIN 30	COLOR
-	+	GREEN	+	-	YELLOW
			-	+	GREEN



PRELIMINARY

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO	
TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%
DCL @ 100kHz,100mVRMS	
8mA DC BIAS	350 uH 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
LEAKAGE INDUCTANCE	
PRIMARY W/ SECONDARY SHORTED	0.3uH Max. @ 1MHz
INTERWINDING CAPACITANCE	
PER CHANNEL (PRI. TO SEC.)	50pF Max @ 1MHz
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
LED 1	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.
LED 2	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
	YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.
	YELLOW 590nm TYP.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHUNG	12-27-05	2X1 glgabit MagJack® (with LED)	0845-2R1T-J2	TOL. IN INCH	UNIT : INCH [mm]	REV. : PE
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
DE	12-27-05		08452R1TJ2PE.DWG	.XX		PAGE : 2
				.XXX		



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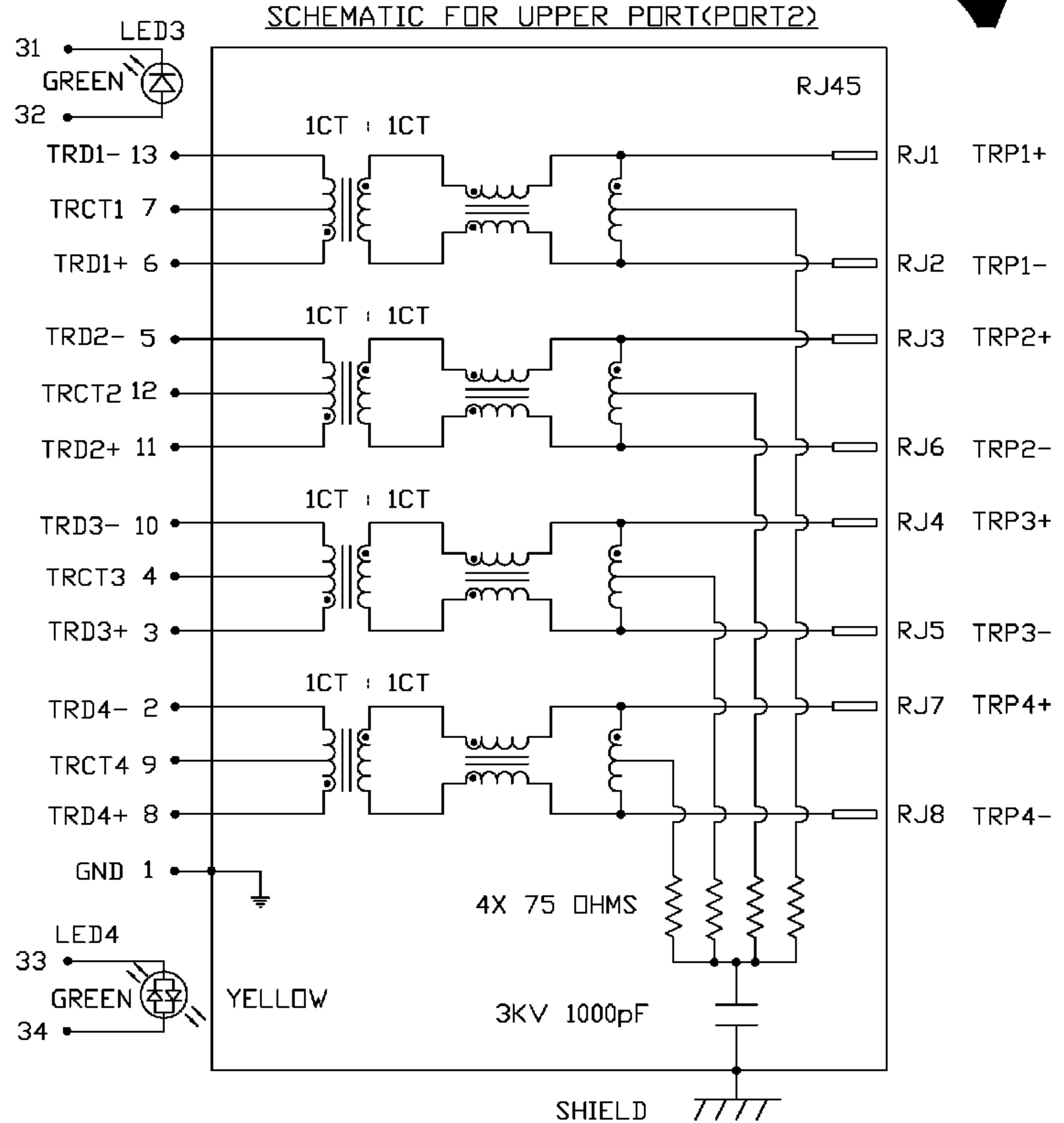
LED3 POLARITY			LED4 POLARITY		
PIN 31	PIN 32	COLOR	PIN 33	PIN 34	COLOR
-	+	GREEN	+	-	YELLOW
			-	+	GREEN



PRELIMINARY

ELECTRICAL CHARACTERISTICS @ 25°C

<p> 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 uH 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 LEAKAGE INDUCTANCE PRIMARY W/ SECONDARY SHORTED 0.3uH 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 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. 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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHUNG	12-27-05	2X1 gigabit MagJack® (with LED)	0845-2R1T-J2	.X	UNIT : INCH [mm] REV. : PE
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DE	12-27-05		08452R1TJ2PE.DWG	.XXX	PAGE : 3

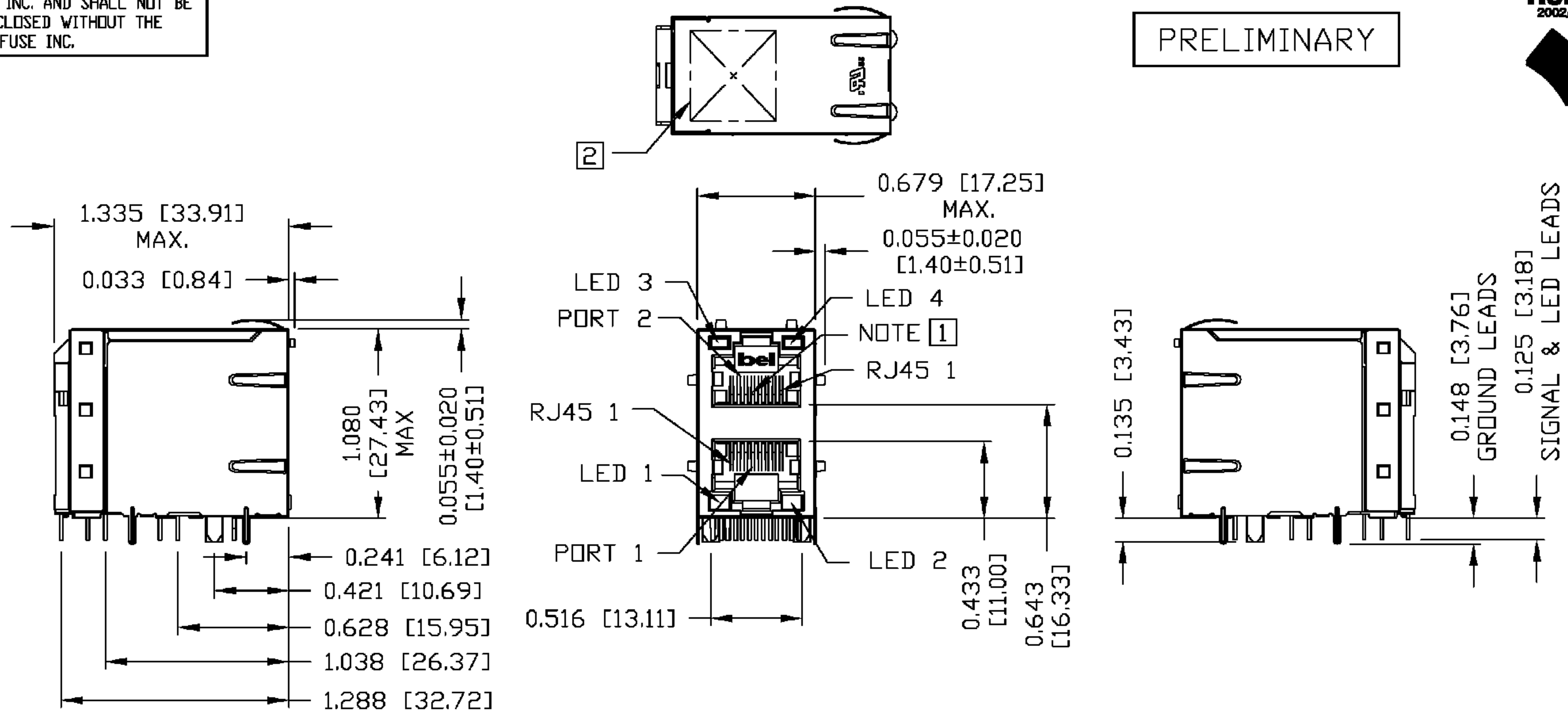


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RoHS
2002/95/EC



PRELIMINARY



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.

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

UL RECOGNIZED - FILE #E196366 AND E169987.

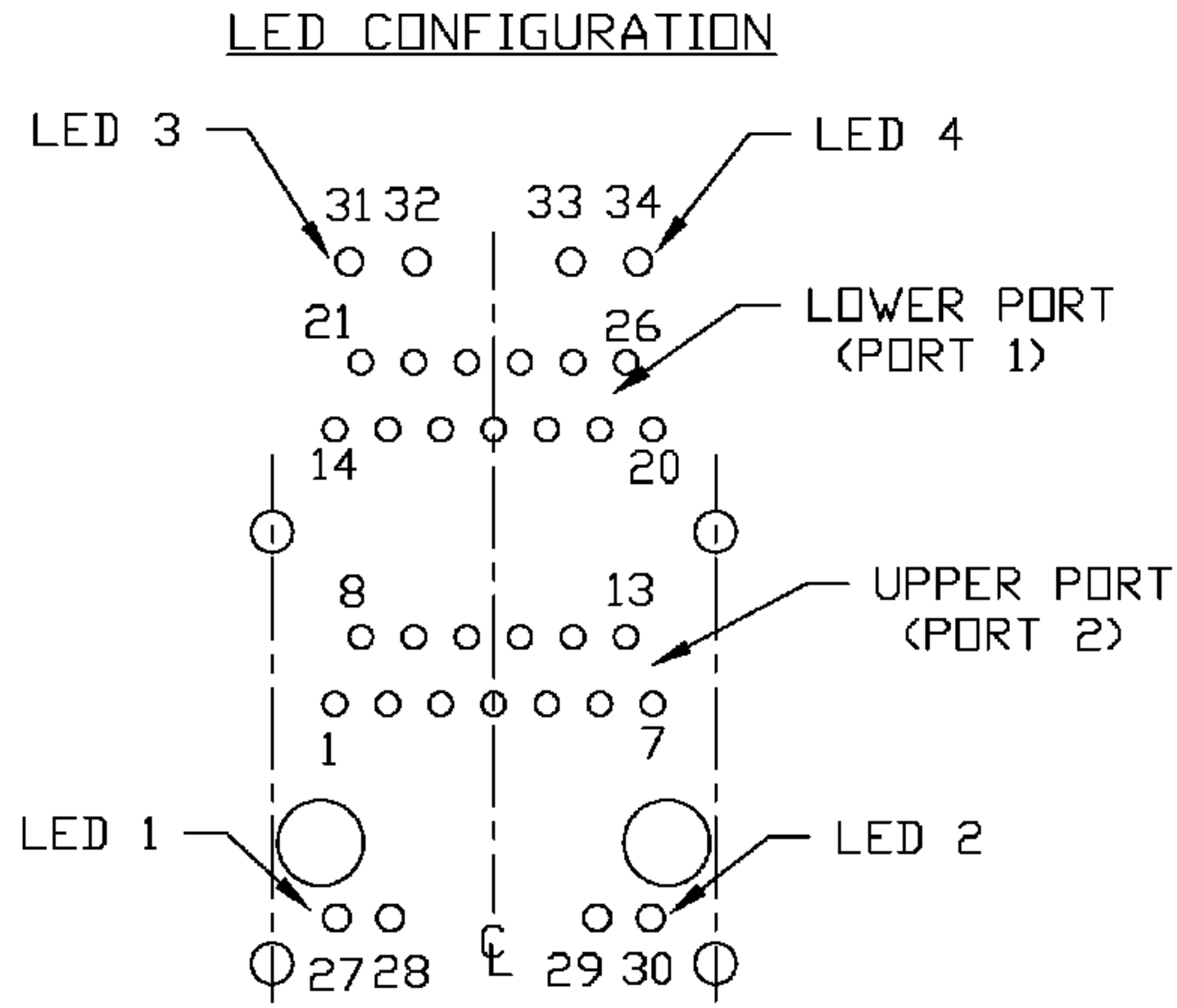
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
BANG	12-27-05	2X1 gigabit MagJack®	0845-2R1T-J2	.X	UNIT : INCH [mm] REV. : PE
DRAWN BY	DATE	(with LED)	FILE NAME	.XX	SCALE : N/A SIZE : A4
LING	12-27-05		08452R1TJ2PE.DWG	.XXX ±0.010	PAGE : 4



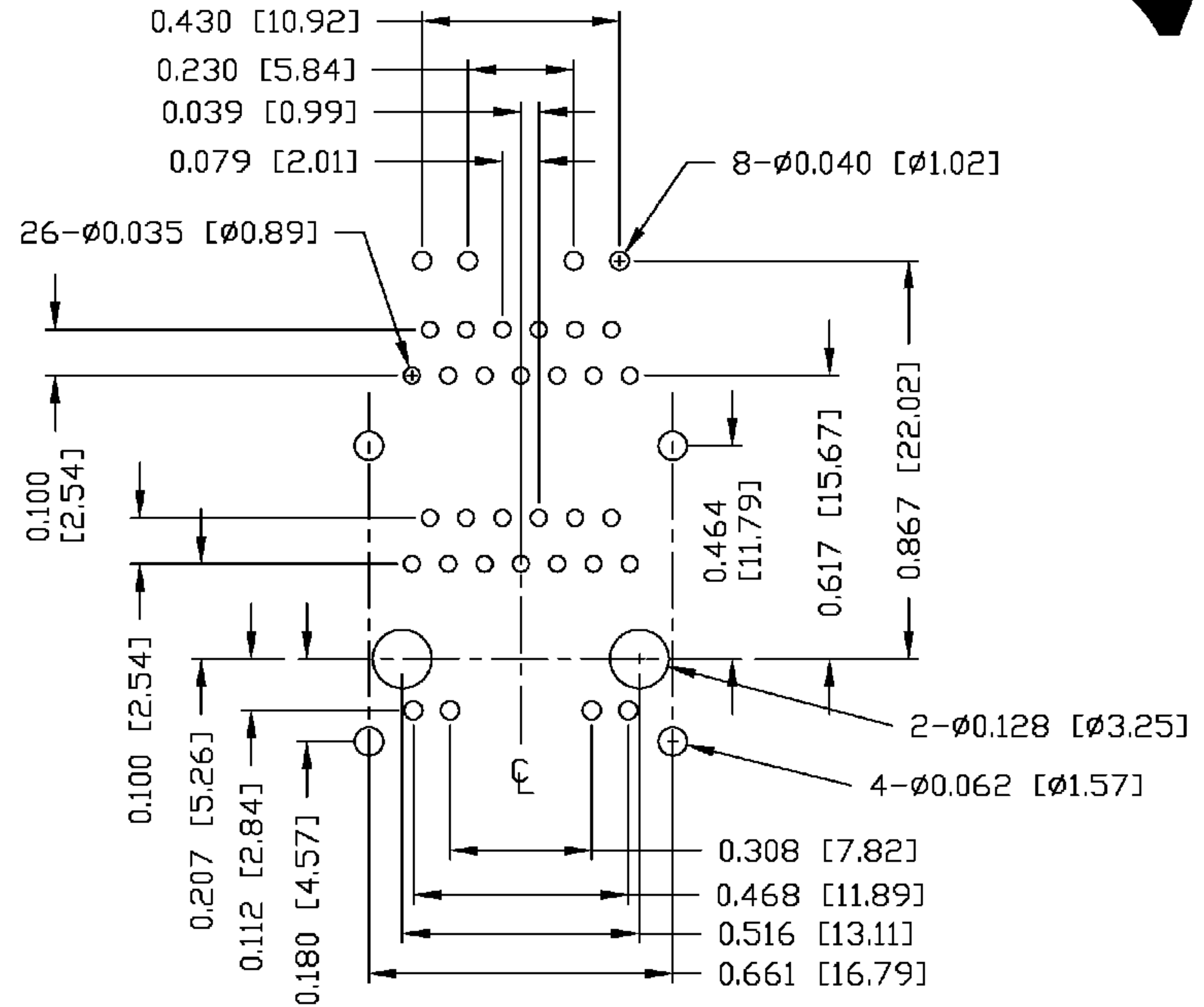
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PRELIMINARY



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



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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
BANG	12-27-05	2X1 gigabit MagJack® (with LED)	0845-2R1T-J2	.X	UNIT : INCH [mm] REV. : PE
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
LING	12-27-05		08452R1TJ2PE.DWG	.XXX ±0.004	PAGE : 5

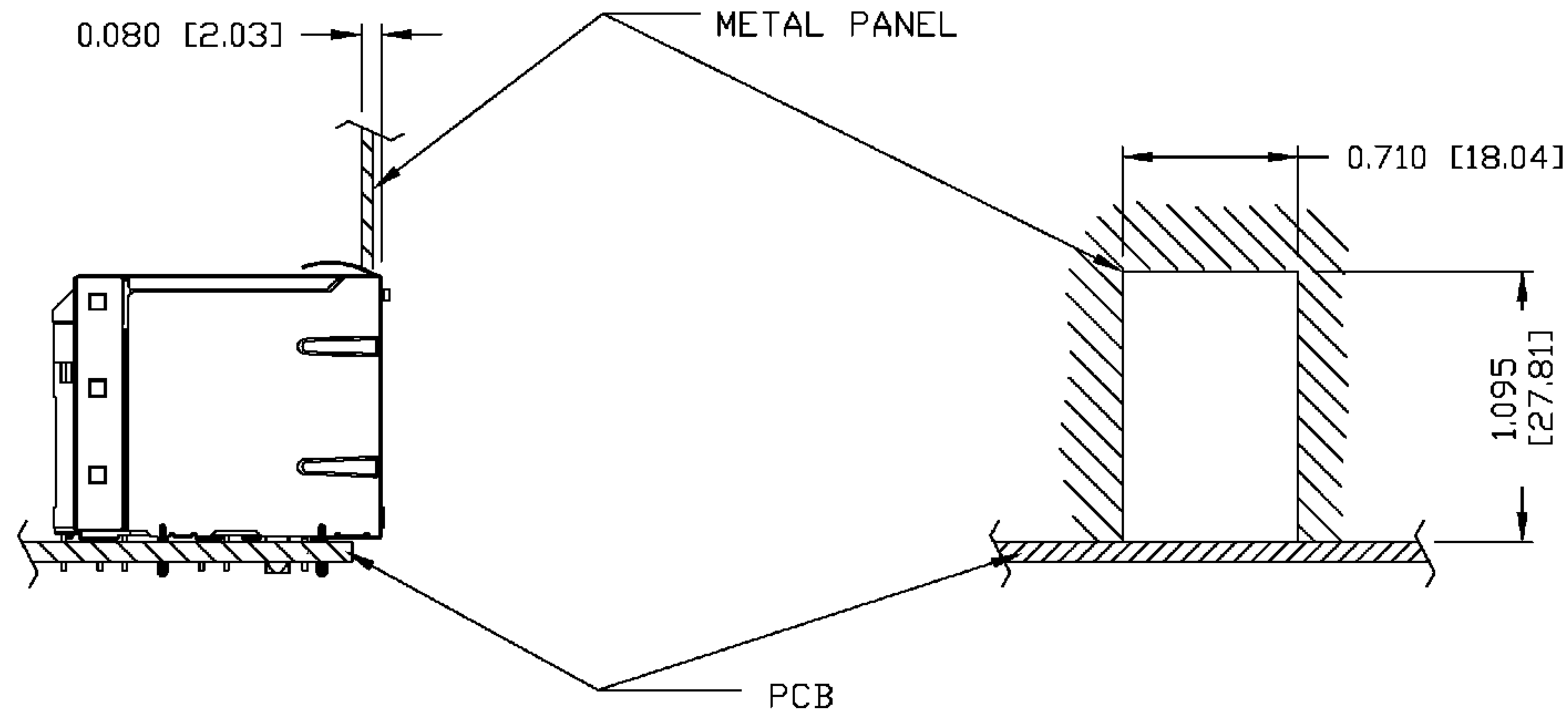


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PRELIMINARY



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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
BANG	12-27-05	2X1 gigabit MagJack® (with LED)	0845-2R1T-J2	.X	UNIT : INCH [mm] REV. : PE
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
LING	12-27-05		08452R1TJ2PE.DWG	.XXX ±0.004	SCALE : N/A SIZE : A4 PAGE : 6

