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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 1CT : 1CT ±3%
RX 1CT : 1CT ±3%

DCL @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN.

INS. LOSS

100KHz TO 100MHz -1.1 dB MAX

RET. LOSS (MIN)

1MHz-30MHz -18 dB

60MHz-80MHz -12 dB

CM TO CM REJ

1MHz-100MHz -35 dB TYP

CROSS TALK (TX - RX)

1MHz-100MHz -35 dB TYP

LEAKAGE INDUCTANCE

PRIMARY W/ SECONDARY SHORTED 0.4uH Max. @ 1MHz

INTERWINDING CAPACITANCE

PER CHANNEL (PRI. TO SEC.) 30pF TYP @ 1MHz

DC RESISTANCE

(RJ1-RJ2)=(RJ3-RJ6) 1.8 ohms Max

PIN4-PIN6 1.1 ohms Max

PIN1-PIN3 1.1 ohms Max

OPERATING TEMPERATURE:

-40 TO +85 C°

HIPOT (Isolation Voltage):

1500 Vrms

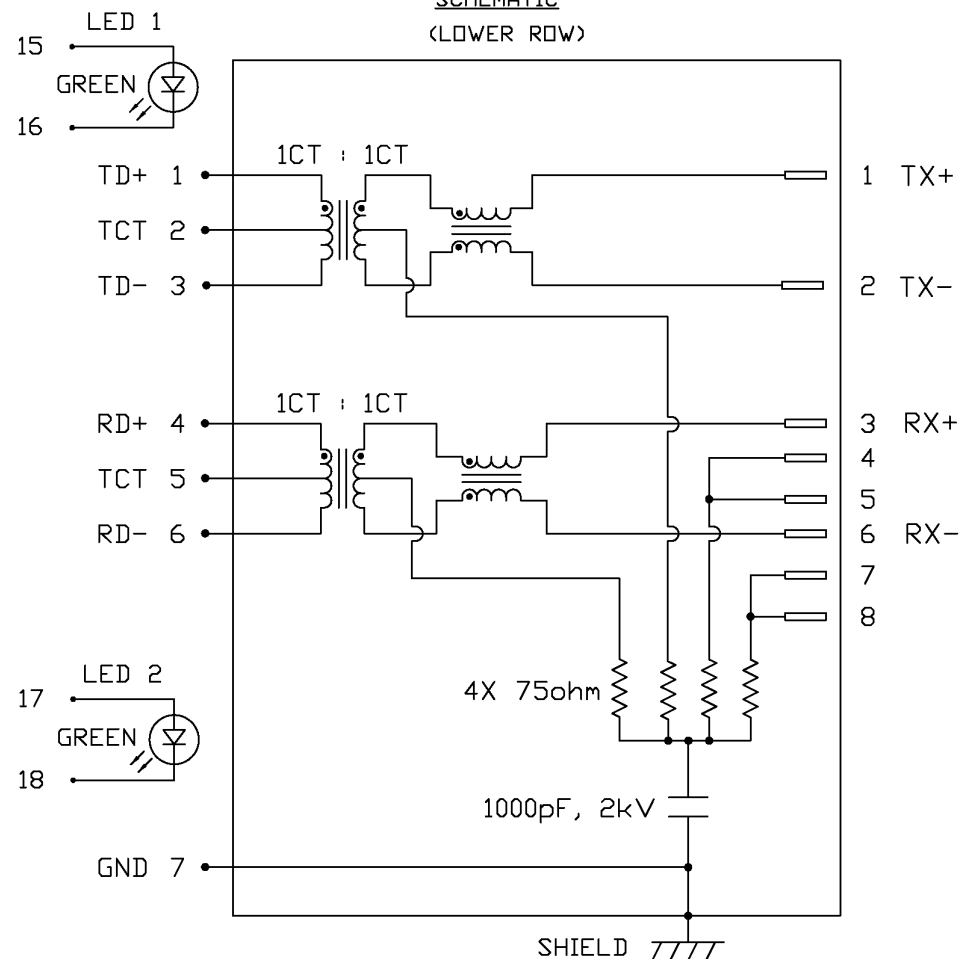
LED 1 & LED 2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.

SCHEMATIC

(LOWER ROW)



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PB
CHUNG	12-27-05	2X1 MagJack® (with LED)	0845-2G1T-S4	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 2
DE	12-27-05		08452G1TS4PB.DWG	.XXX			



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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

TRANS RATIO

TX	1CT : 1CT ±3%
RX	1CT : 1CT ±3%

QCL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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INS. LOSS

100KHz TO 100MHz	-1.1 dB MAX
------------------	-------------

RET. LOSS (MIN)

1MHz-30MHz	-18 dB
60MHz-80MHz	-12 dB

CM TO CM REJ

1MHz-100MHz	-35 dB TYP
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CROSS TALK (TX - RX)

1MHz-100MHz	-35 dB TYP
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LEAKAGE INDUCTANCE

PRIMARY W/ SECONDARY SHORTED	0.4uH Max. @ 1MHz
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INTERWINDING CAPACITANCE

PER CHANNEL (PRI. TO SEC.)	30pF TYP @ 1MHz
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DC RESISTANCE

(RJ1-RJ2)=(RJ3-RJ6)	1.8 ohms Max
PIN11-PIN13	1.1 ohms Max
PIN8-PIN10	1.1 ohms Max

OPERATING TEMPERATURE:

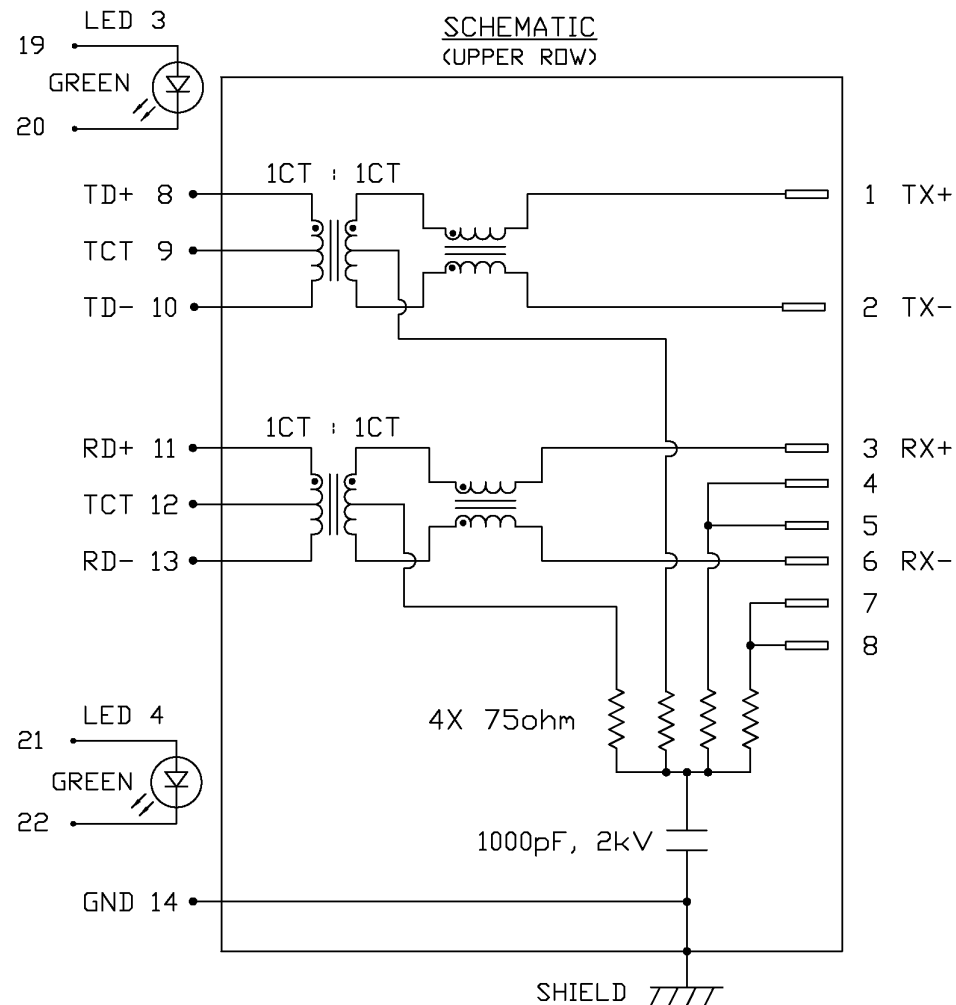
-40 TO +85 C°

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	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PB
CHUNG	12-27-05	2X1 MagJack® (with LED)	0845-2G1T-S4	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 3
DE	12-27-05		08452G1TS4PB.DWG	.XXX			

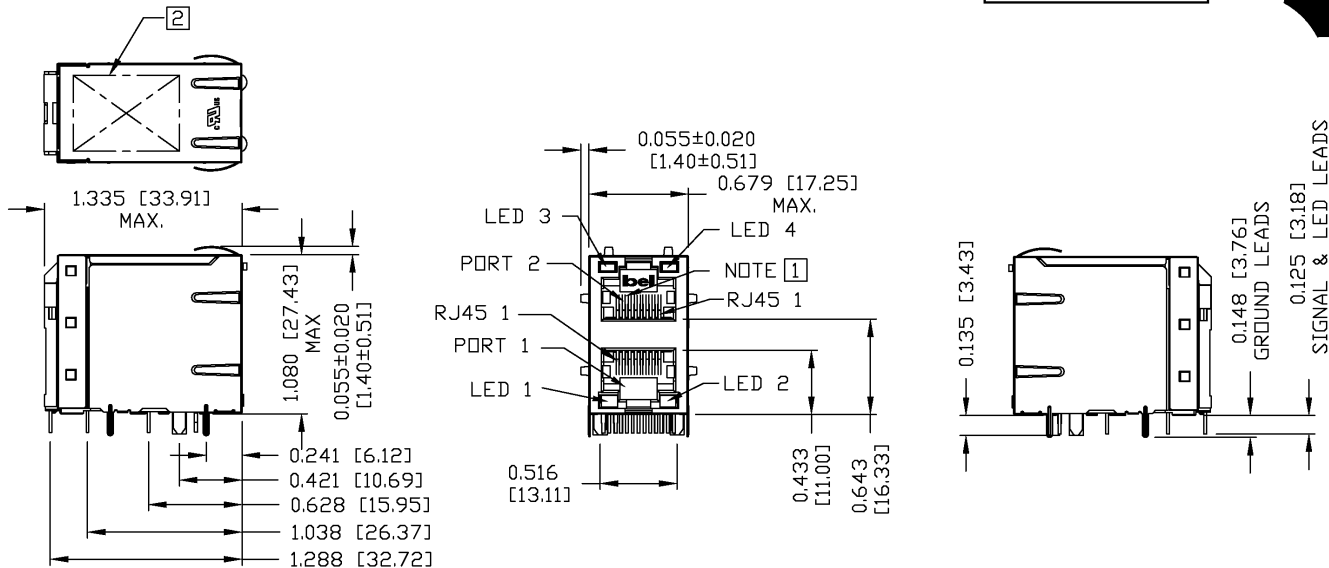


DC002(2)032305

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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)

[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.

c **UL** US UL RECOGNIZED - FILE #E196366 AND E169987.

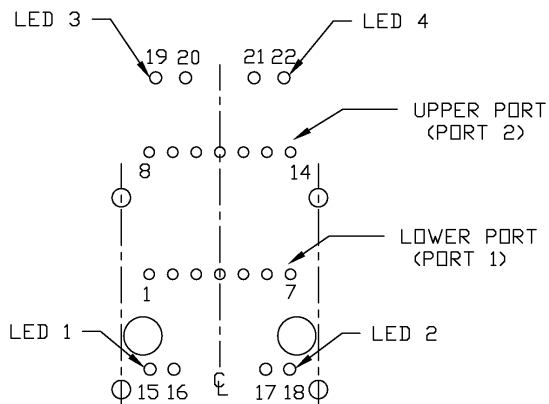
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QIN	12-27-05	2X1 MagJack® (with LED)	0845-2G1T-S4	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A
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				.XXX	PAGE : 4



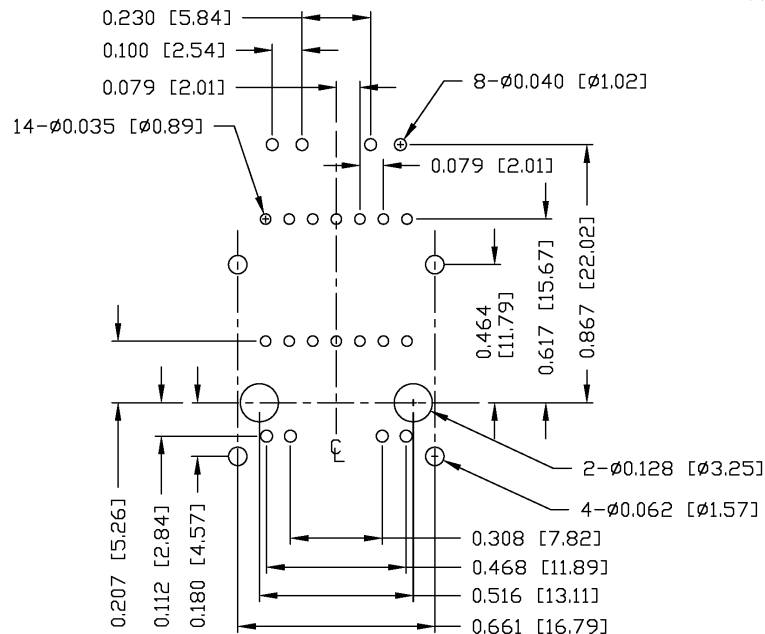
PRELIMINARY



LED CONFIGURATION



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



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

ORIGINATED BY QIN	DATE 12-27-05	TITLE 2X1 MagJack® (with LED)	PART NO. / DRAWING NO. 0845-2G1T-S4	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : PB
DRAWN BY TING	DATE 12-27-05		FILE NAME 08452G1TS4PB.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 5



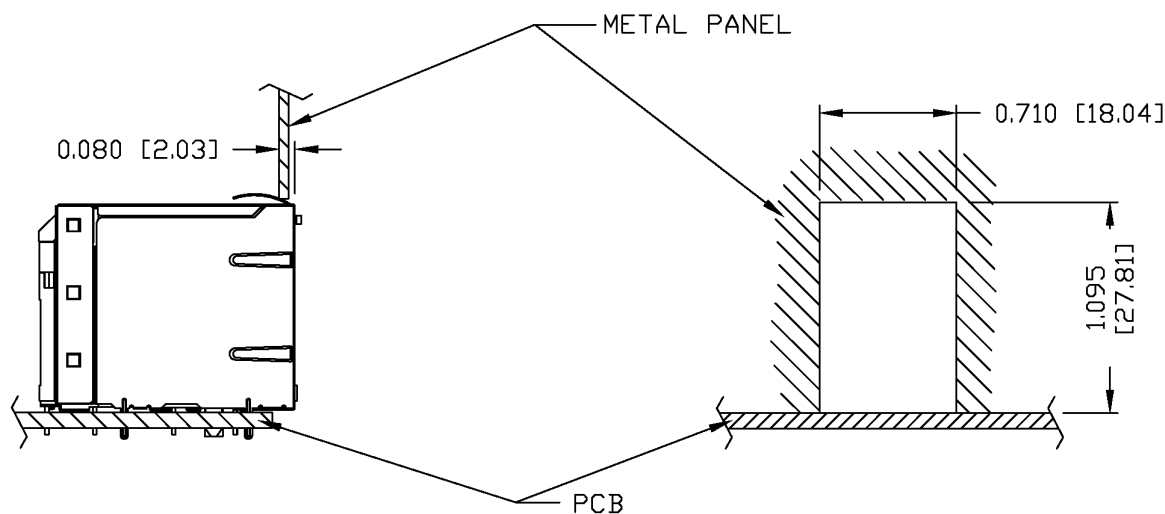
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RoHS
2002/95/EC



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	DATE 12-27-05	TITLE 2X1 MagJack® (with LED)	PART NO. / DRAWING NO. 0845-2G1T-S4	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	 bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY TING	DATE 12-27-05		FILE NAME 08452G1TS4PB.DWG	.X	UNIT : INCH [mm]	
				.XX	SCALE : N/A	
				.XXX	±0.004	
					⊕	REV. : PB
						SIZE : A4
						PAGE : 6