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LED1 POLARITY			LED2 POLARITY		
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
-	+	GREEN	-	+	GREEN



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$

CL @ 100kHz/100mVRMS

8mA DC BIAS	350 μ H MIN.
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INS. LOSS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CROSS TALK

100kHz - 100MHz	-33+20LOG(f/100MHz)dB MIN
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CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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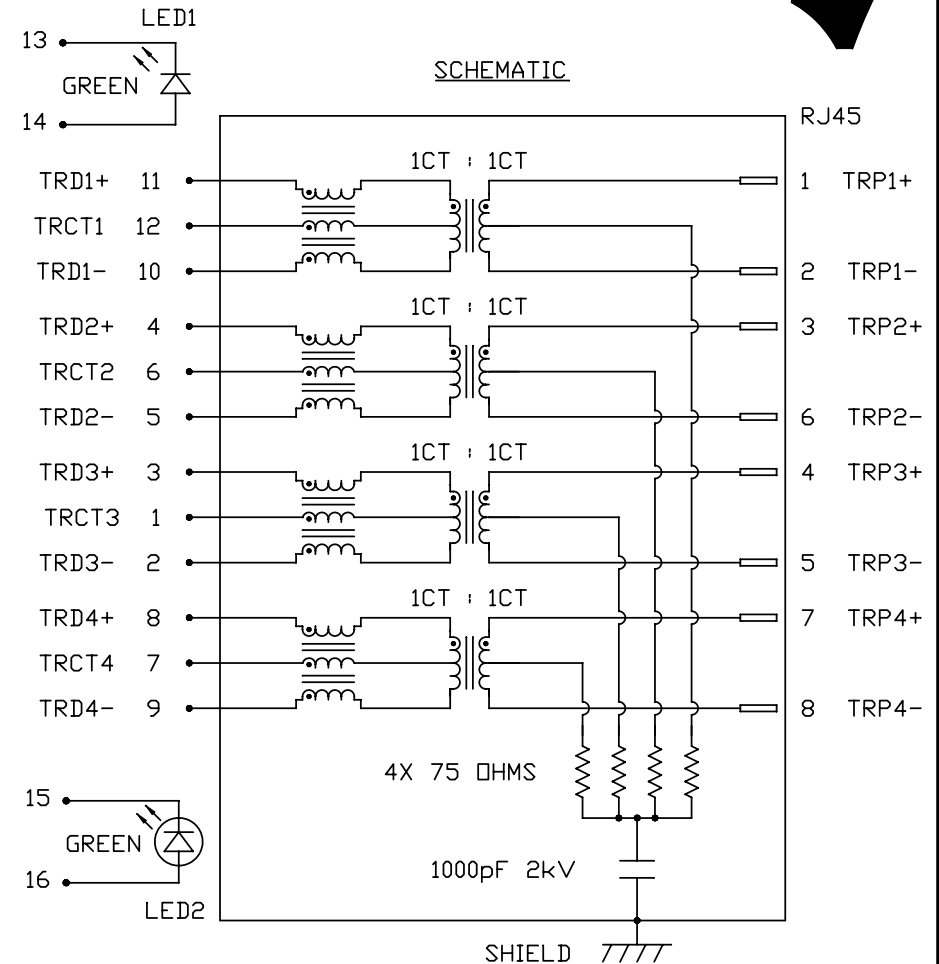
HIPOT (Isolation Voltage): LED 1 & 2


1500 Vrms or 2250 VDC

VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.

USB ELECTRICAL:

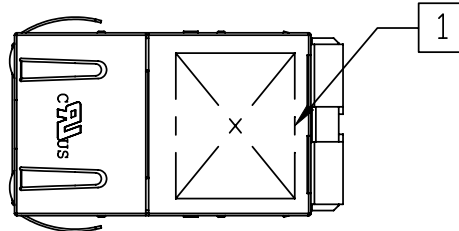
INSULATION RESISTANCE:	1000 MEGA Ω (MIN)
CONTACT RESISTANCE:	25 MILLI Ω (MAX)
DIELECTRIC WITHSTANDING:	750 VAC



ORIGINATED BY		DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS OR A CONNECTED PLANE
CHOW WANGCHUNG		06-04-11		08211G1T43-F	TOL. IN INCH		UNIT : INCH [mm] REV. : B		
DRAWN BY		DATE		FILE NAME	.X		SCALE : N/A SIZE : A4		
TAN QIGUANG		06-04-11	0821-1G1T-43-F	.XX		PAGE : 2			
			PATENTED	08211G1T43-F_B.DWG	.XXX				



MECHANICAL SPECIFICATION



RJ45 MECHCNICAL:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE,
DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER
DIPPED)

1. MARK PART WITH MFG LOGO, MFG NAME, PART
NUMBER, DATE CODE AND PATENTED.

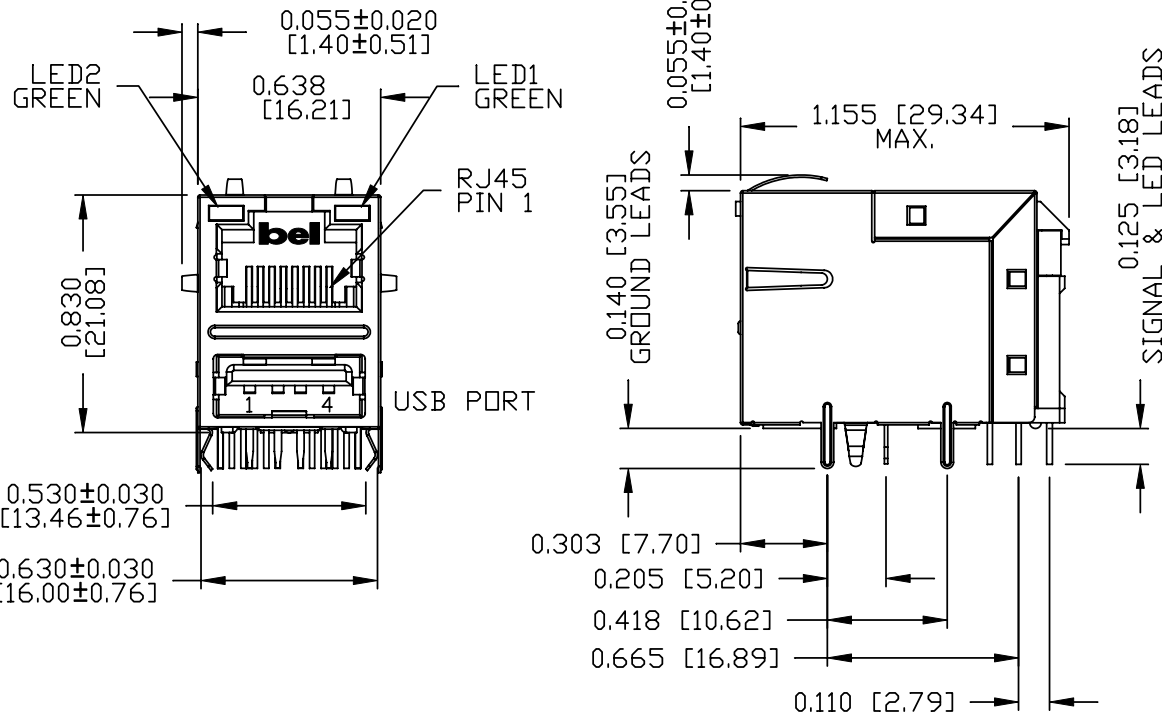
USB MECHANICAL:


MATING FORCE: 35 NEWTONS MAXIMUM
UNMATING FORCE: 10 NEWTONS MINIMUM
CONTACT: PROSPHER BRONZE
30 MICRO-INCH MIN GOLD PLATING
ON CONTACT AREA AND LEAD-FREE
TIN ON SOLDER TAIL.


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

C USUL RECOGNIZED - FILE #E196366 AND E169987.

2. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE
U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117.

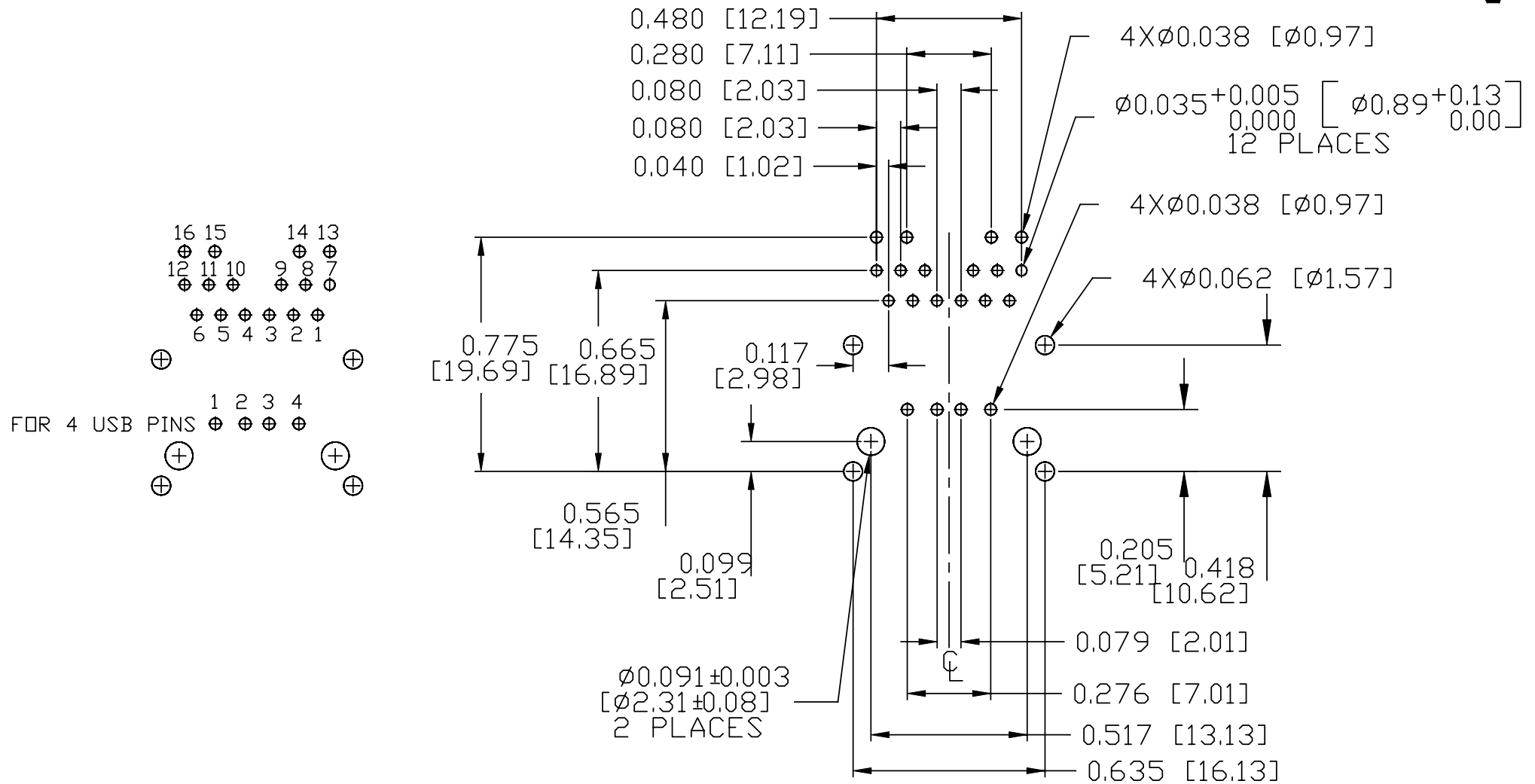


ORIGINATED BY	DATE	TITLE gigabit MagJack® Combo (single USB, 8 cores) 0821-1G1T-43-F PATENTED	PART NO. / DRAWING NO. 08211G1T43-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
CHEN BILL	06-04-11		FILE NAME 08211G1T43-F_B.DWG	.X	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE			.XX	SCALE : N/A	SIZE : A4
HE ZHEN	06-04-11			.XXX	±0.010	


COMPONENTS
CONNECTED
PLANET



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



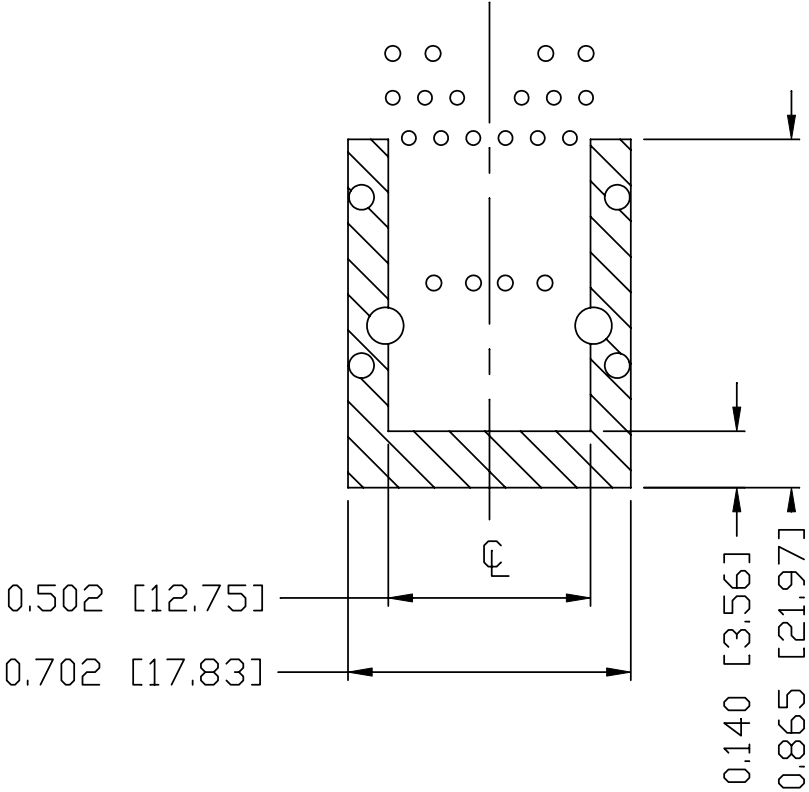
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CHEN BILL	06-04-11			.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE	HE ZHEN	FILE NAME 08211G1T43-F_B.DWG	.XX		SCALE : N/A	SIZE : A4	
HE ZHEN	06-04-11			.XXX	±0.004		PAGE : 4	

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RoHS
2002/95/EC



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



NOTES

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

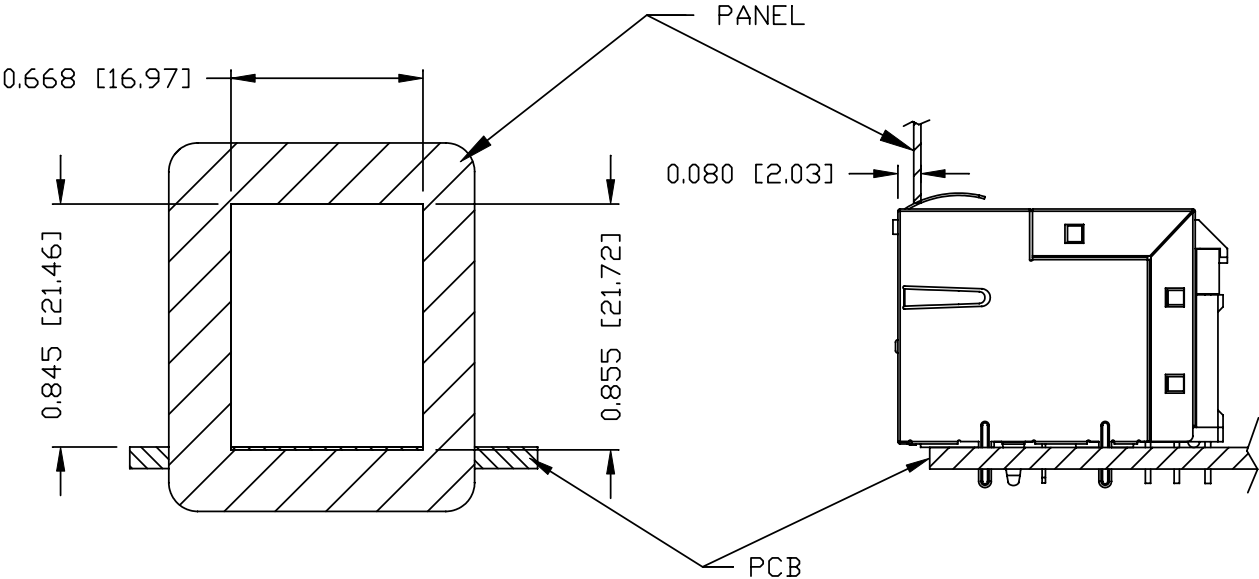
ORIGINATED BY CHEN BILL	DATE 06-04-11	TITLE gigabit MagJack® Combo (single USB, 8 cores) 0821-1G1T-43-F PATENTED	PART NO. / DRAWING NO. 08211G1T43-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : B
DRAWN BY HE ZHEN	DATE 06-04-11		FILE NAME 08211G1T43-F_B.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 5



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SUGGESTED PANEL OPENING



NOTES:



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 : 0200-0148-48 (TOP)
0200-0148-49 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
8 TRAYS (480 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY	DATE	TITLE gigabit MagJack® Combo (single USB, 8 cores) 0821-1G1T-43-F PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 <small>COMPONENTS ON A CONNECTED PLANET</small>
CHEN BILL	06-04-11		08211G1T43-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
HE ZHEN	06-04-11		08211G1T43-F_B.DWG	.XX			PAGE : 6	
				.XXX	±0.004			

