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



ELECTRICAL CHARACTERISTICS @ 25°C

Turns Ratio

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

QCL @ 100kHz/100mVRMS

8mA DC BIAS	350µH 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):

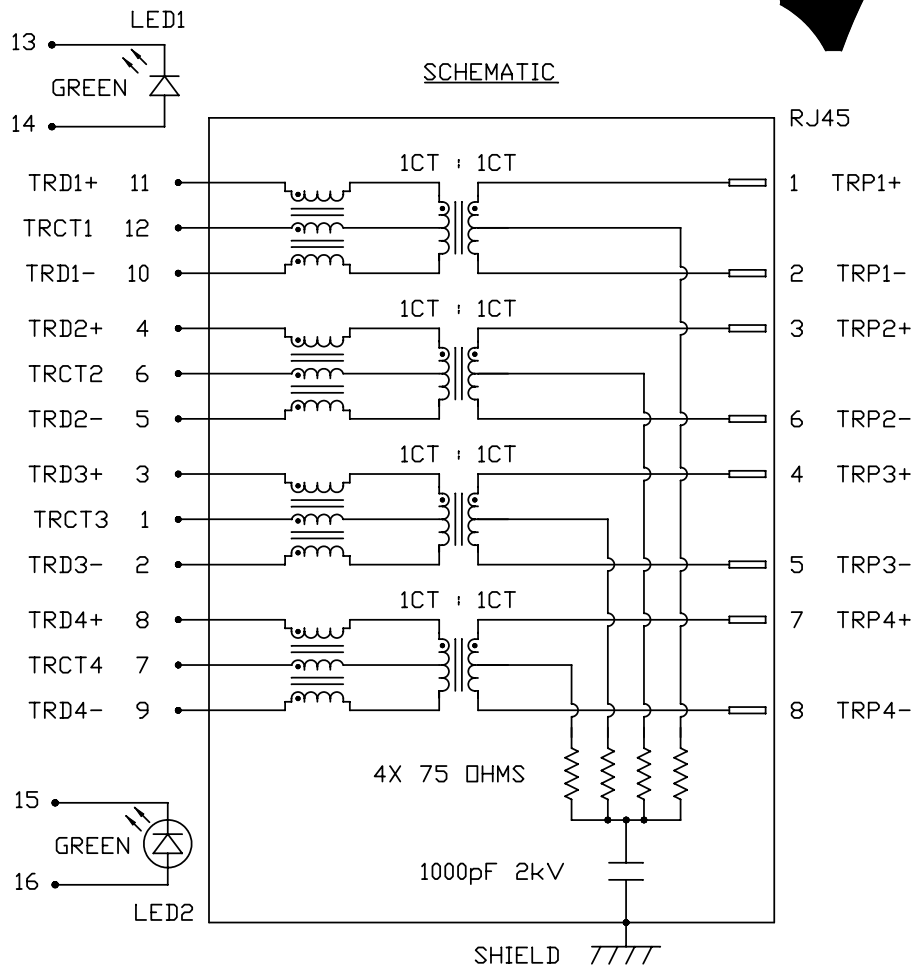
1500 Vrms or 2250 VDC

LED 1 & 2

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

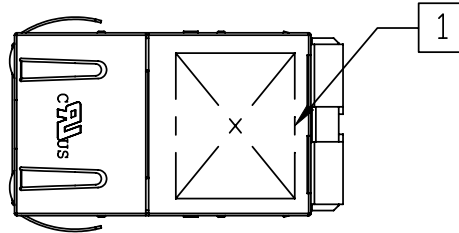


ORIGINATED BY		DATE	TITLE gigabit MagJack® Combo (single USB, 8 cores) 0821-1G1T-43-F PATENTED	PART NO. / DRAWING NO. 08211G1T43-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHOW WANGCHUNG		06-04-11		FILE NAME 08211G1T43-F_B.DWG	.X		UNIT : INCH [mm]		REV. : B	
DRAWN BY		DATE			.XX		SCALE : N/A		SIZE : A4	
TAN QIGUANG		06-04-11			.XXX				PAGE : 2	

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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)

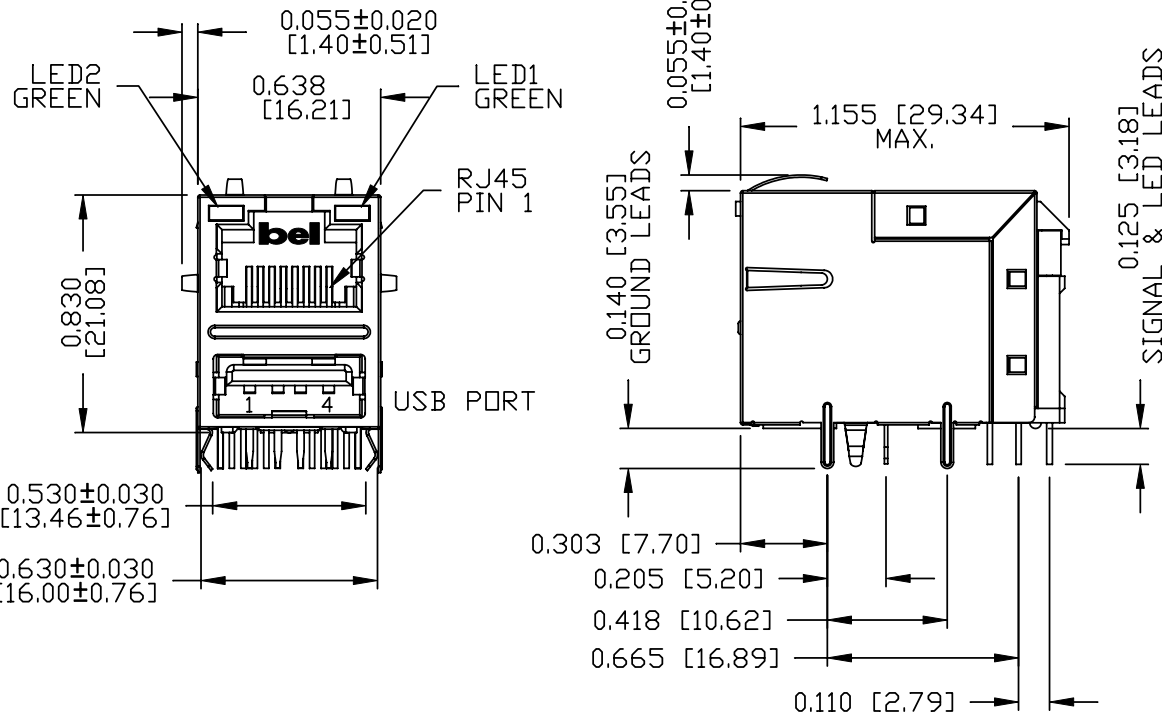
1. MARK PART WITH MFG LOGO, MFG NAME, PART
 NUMBER, DATE CODE AND PATENTED.

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.

CAULUSUL 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.



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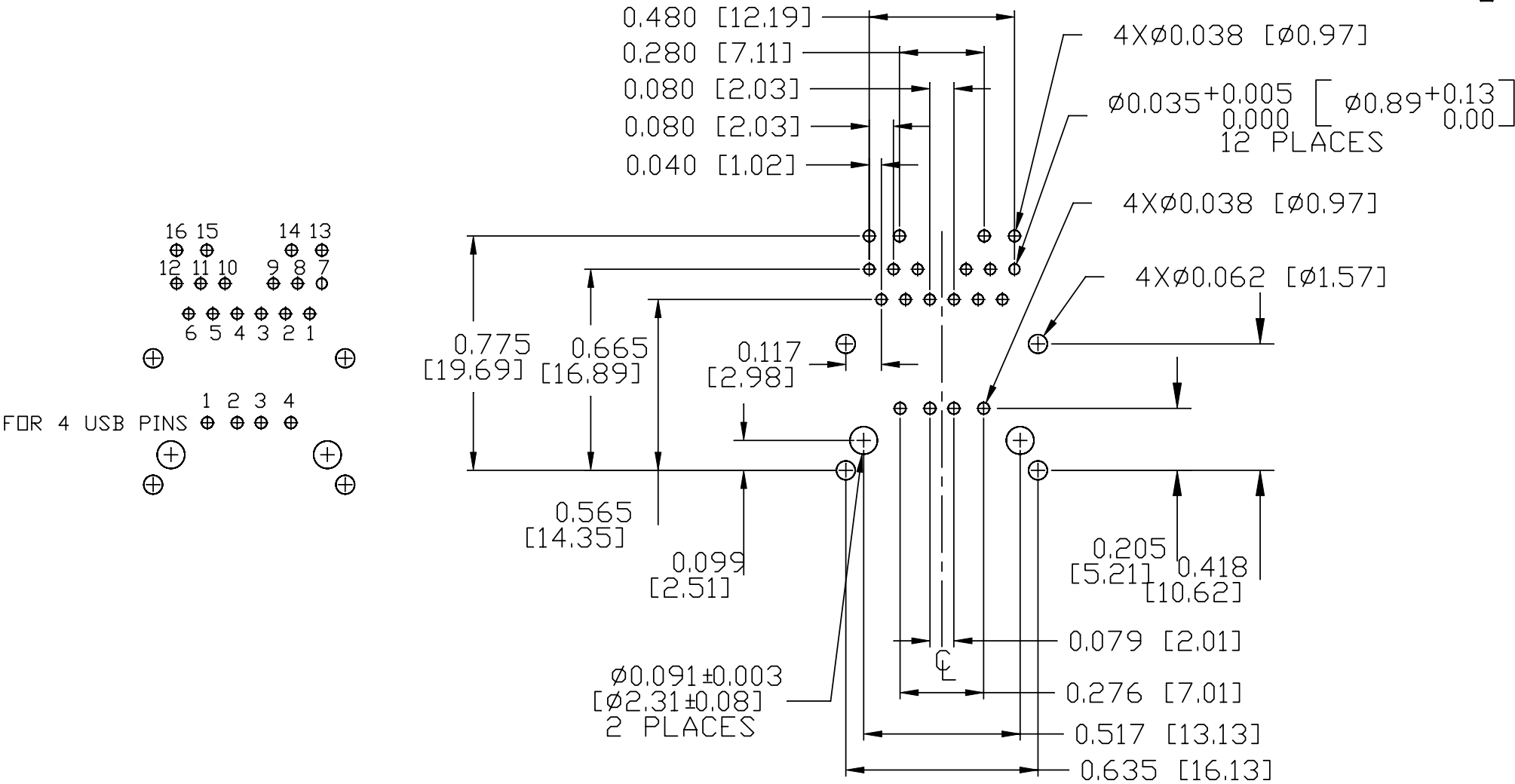
DC002(2)032305

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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

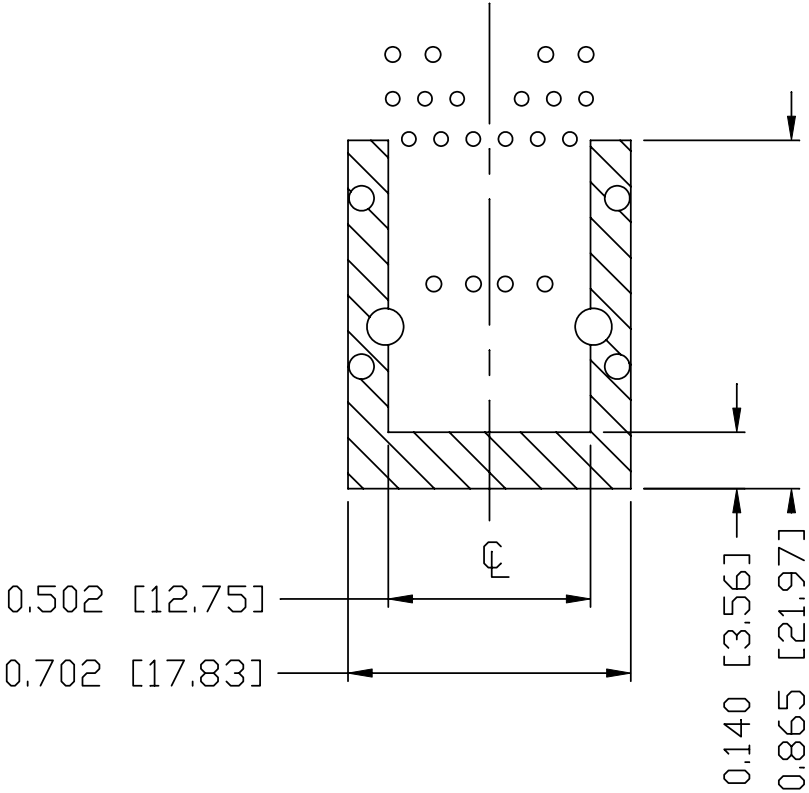


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				.XXX	±0.004			

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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.

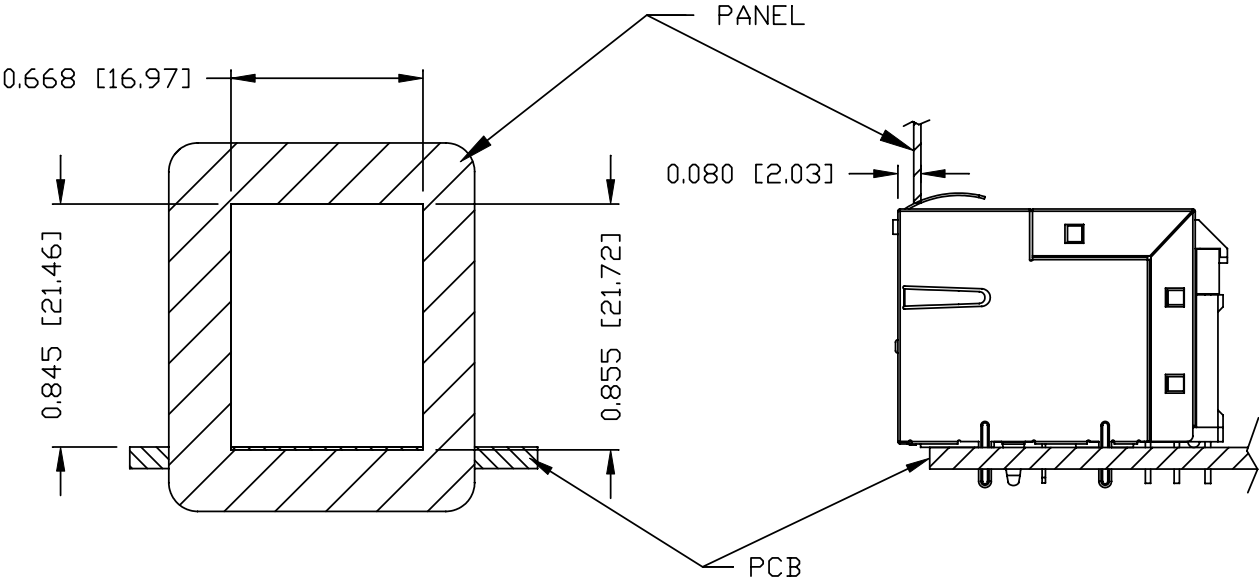
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				.XXX	±0.004		PAGE : 5



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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)

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