

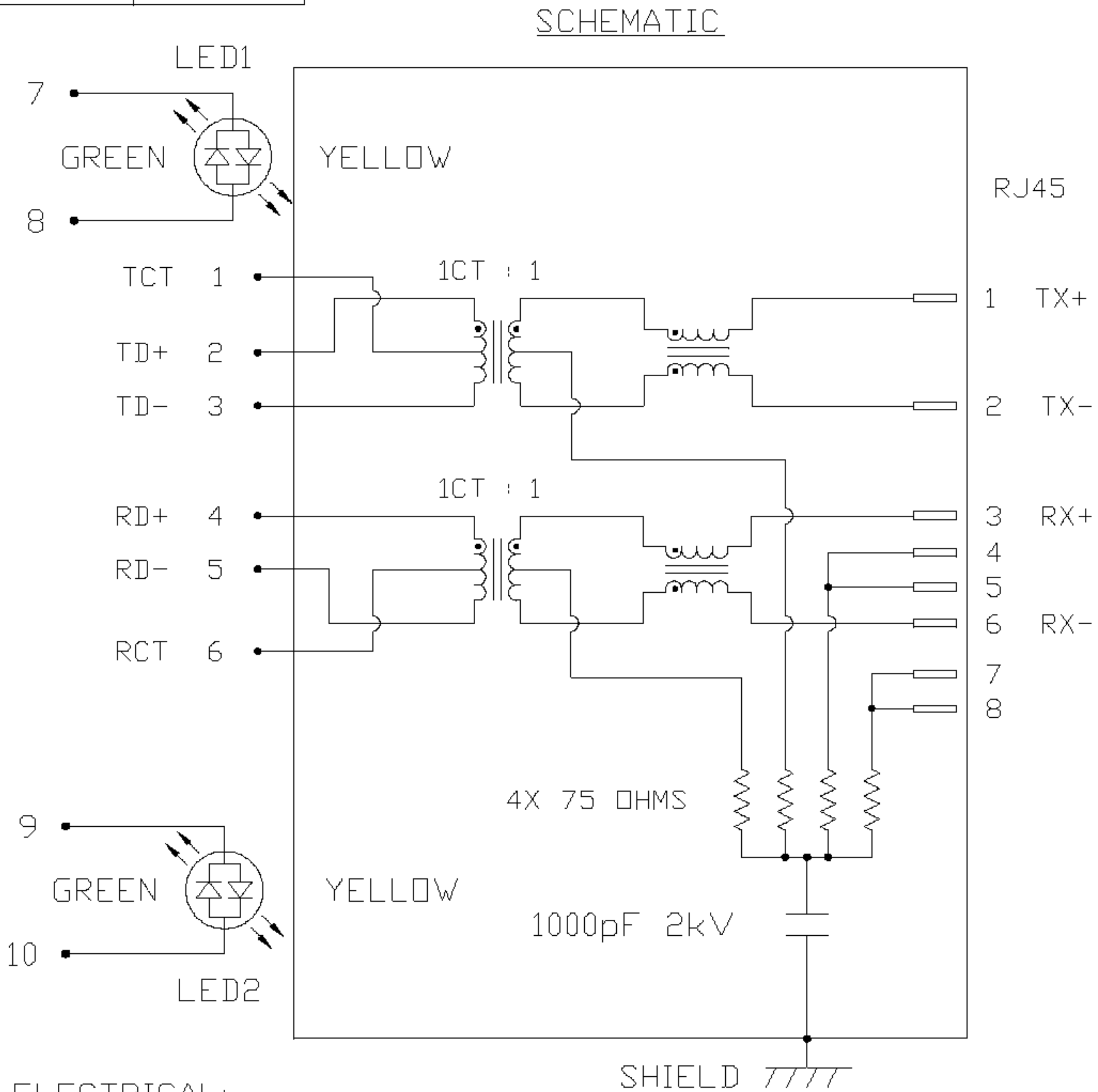
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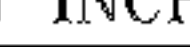
LED1 POLARITY			LED2 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
-	+	GREEN	-	+	GREEN
+	-	YELLOW	+	-	YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	
TX	1CT : 1
RX	1CT : 1
OCL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.
INS. LOSS	
1MHz TO 100MHz	-1.0 dB MAX
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
500kHz-100MHz	-35 dB MIN
CM TO CM REJ	
100kHz-100MHz	-30 dB MIN
CM TO DM REJ	
100kHz-100MHz	-40 dB MIN
HIPOT (Isolation Voltage):	
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.	1500 Vrms
OPERATING TEMPERATURE:	
LED 1 & 2	-40°C TO 85°C
VF (FORWARD VOLTAGE)	
IF=20mA GREEN 2.2V TYP.	
YELLOW 2.1V TYP.	
λD (DOMINANT WAVELENGTH)	
IF=20mA GREEN 565nm TYP.	
YELLOW 590nm TYP.	



USB ELECTRICAL:	
INSULATION RESISTANCE:	1000 MEGAΩ (MIN)
CONTACT RESISTANCE:	25 MILLIΩ (MAX)
DIELECTRIC WITHSTANDING:	750 VAC

ORIGINATED BY CHUNG	DATE 03-07-07	TITLE MagJack® Combo (single USB, Ext. Temp. MDIX) 0821-1C1T-36-F	PART NO. / DRAWING NO. 08211C1T36-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS ON A CONNECTED PLANET
DRAWN BY DE	DATE 03-07-07		FILE NAME 08211C1T36-FA.DWG	.X		UNIT : INCH [mm]	REV. : A	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX			PAGE : 2	

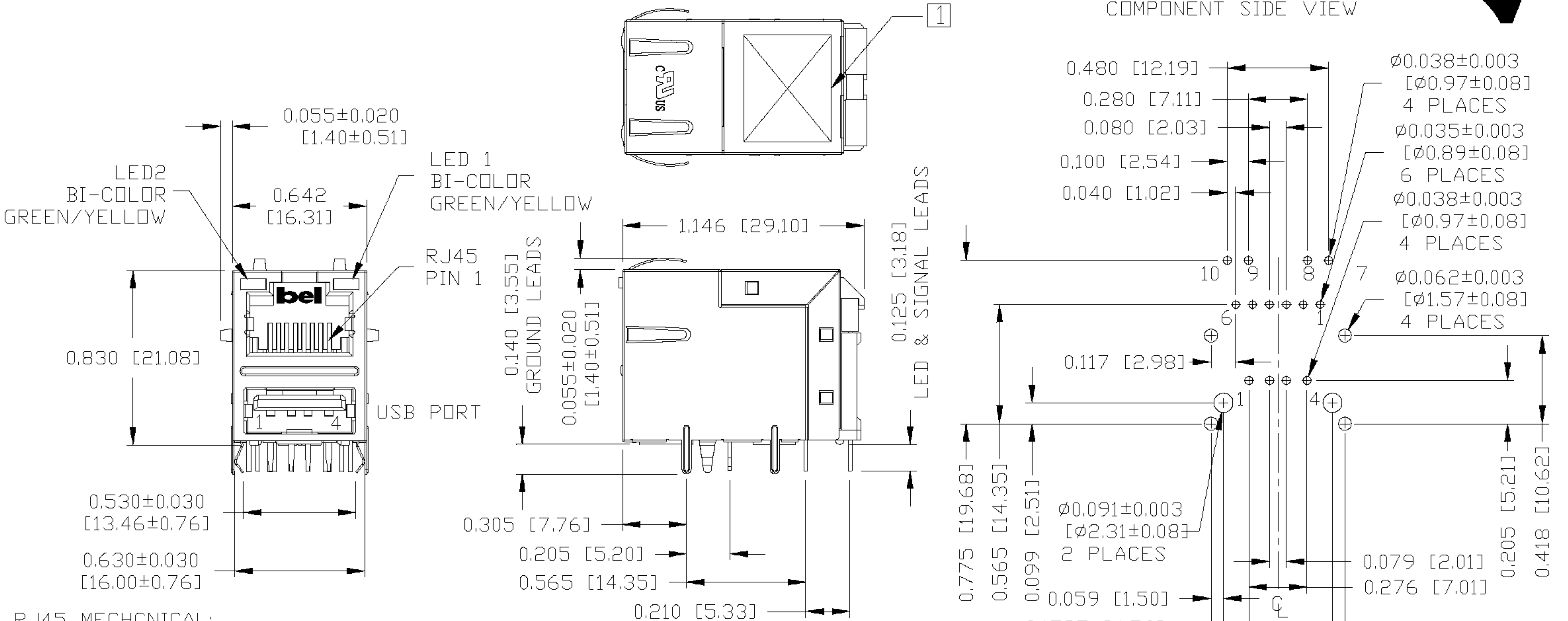


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MECHANICAL SPECIFICATION



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



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)
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

USB MECHANICAL:

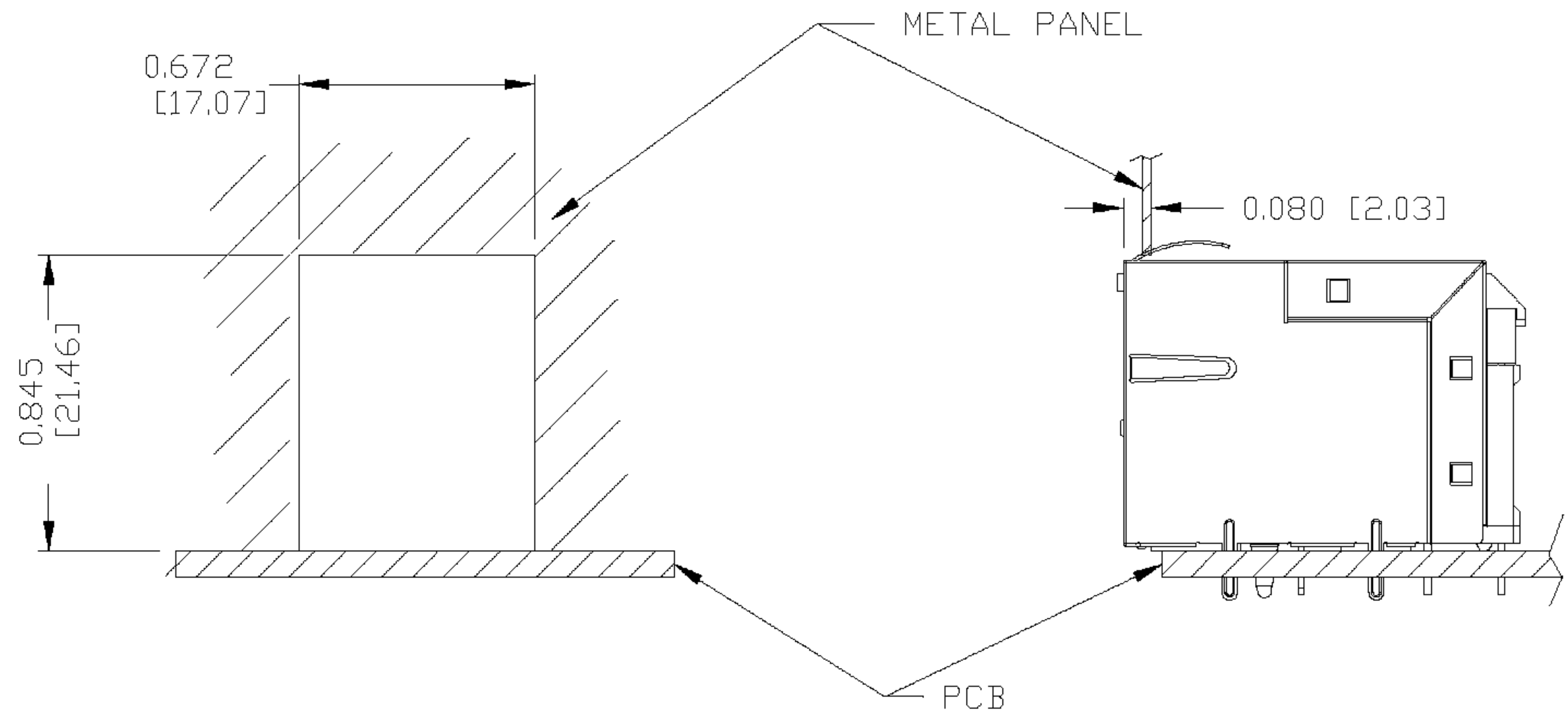
MATING FORCE: 35 NEWTONS MAXIMUM
UNMATING FORCE: 10 NEWTONS MINIMUM
CONTACT: PROSPHER BRONZE
30 MICRO-INCH MIN GOLD PLATING ON
CONTACT AREA AND LEAD-FREE TIN ON SOLDER TAIL.
① MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER, AND DATE CODE.
UL RECOGNIZED – FILE #E196366 AND E169987.

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DRAWN BY TING	DATE 03-07-07		FILE NAME 08211C1T36-FA.DWG	.X		UNIT : INCH [mm]	REV. : A	
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				.XXX	±0.010		PAGE : 3	

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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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				.X		UNIT : INCH [mm]	REV. : A
DRAWN BY TING	DATE 03-07-07			.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 4

