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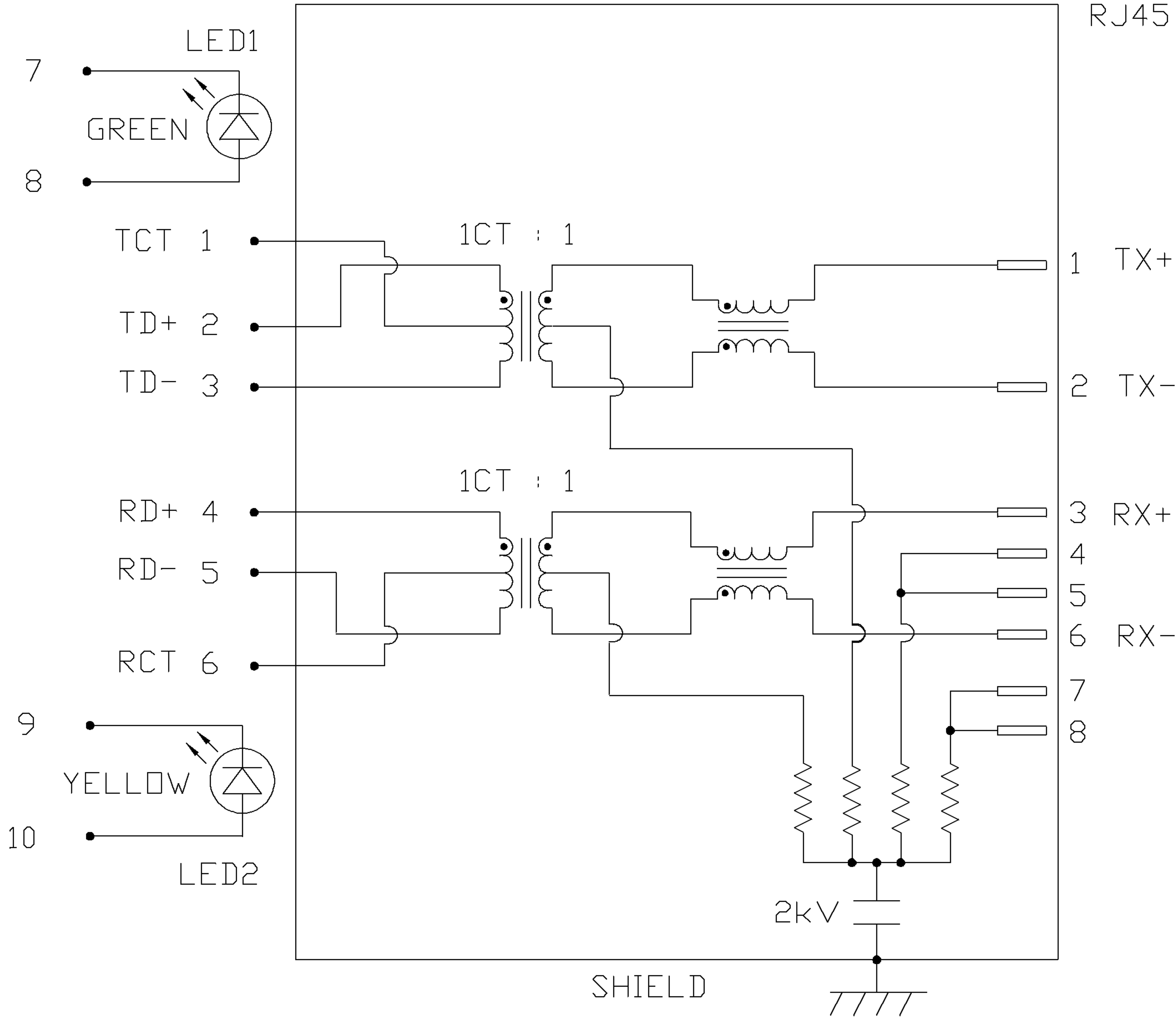
ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO	
TX	1CT : 1
RX	1CT : 1
CL @ 100kHz/100mVRMS	350µH MIN.
8mA DC BIAS	
INS. LOSS	-1.0 dB MAX
1MHz TO 100MHz	
RET. LOSS (MIN)	-18 dB
1MHz-30MHz	-18+20LOG(F/30MHz) dB
30MHz-60MHz	-12 dB
60MHz-80MHz	
CROSS TALK (TX - RX)	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 dB MIN
CM TO CM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-47 dB MIN
30 MHz	-42 dB MIN
60 MHz	-37 dB MIN
100 MHz	-30 dB MIN
CM TO DM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-60 dB MIN
30 MHz	-50 dB MIN
60 MHz	-45 dB MIN
100 MHz	-40 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.	

LED 1	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.
LED 2	
VF (FORWARD VOLTAGE)	IF=20mA YELLOW 2.1V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA YELLOW 590nm TYP.

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

SCHEMATIC



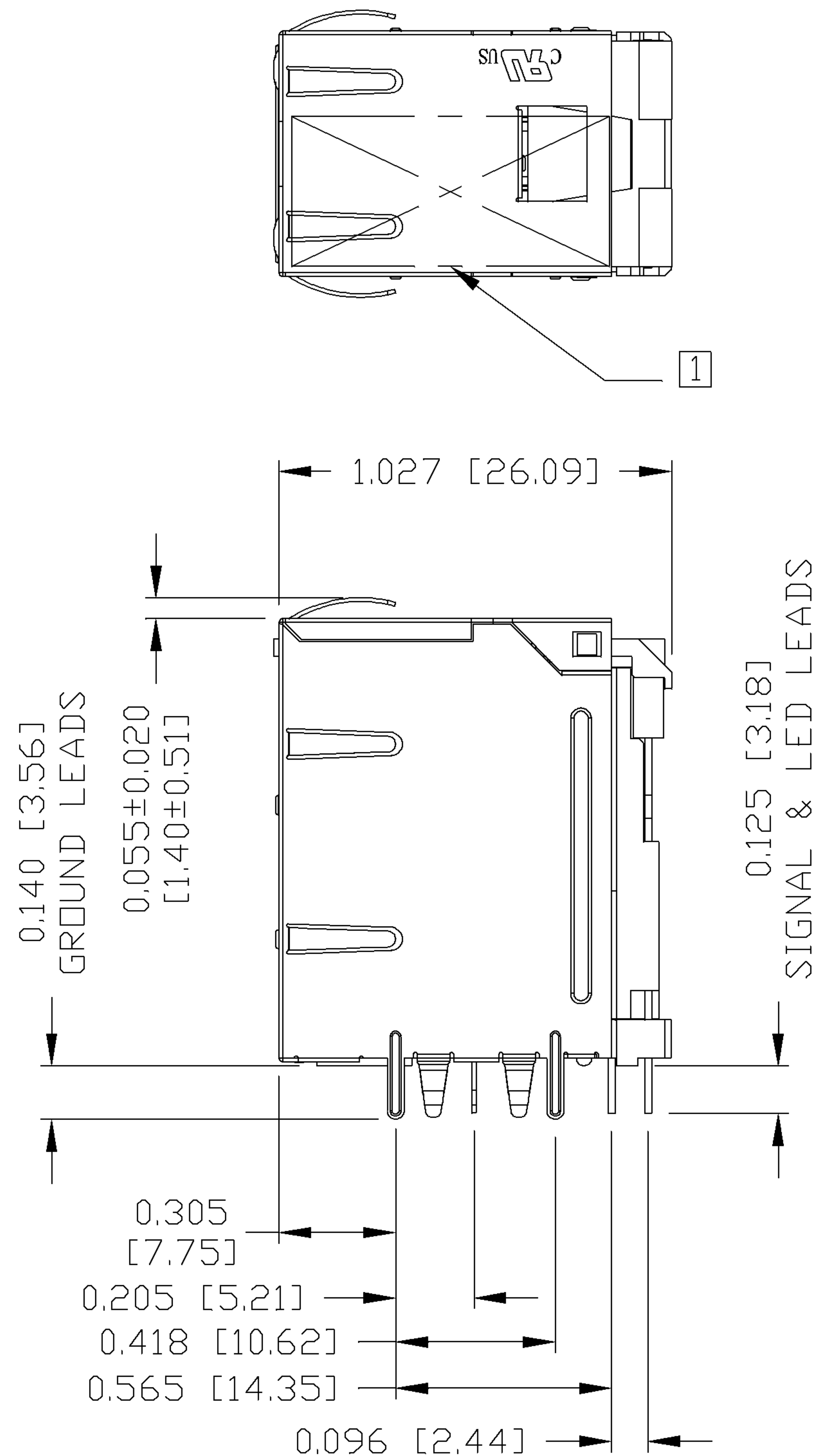
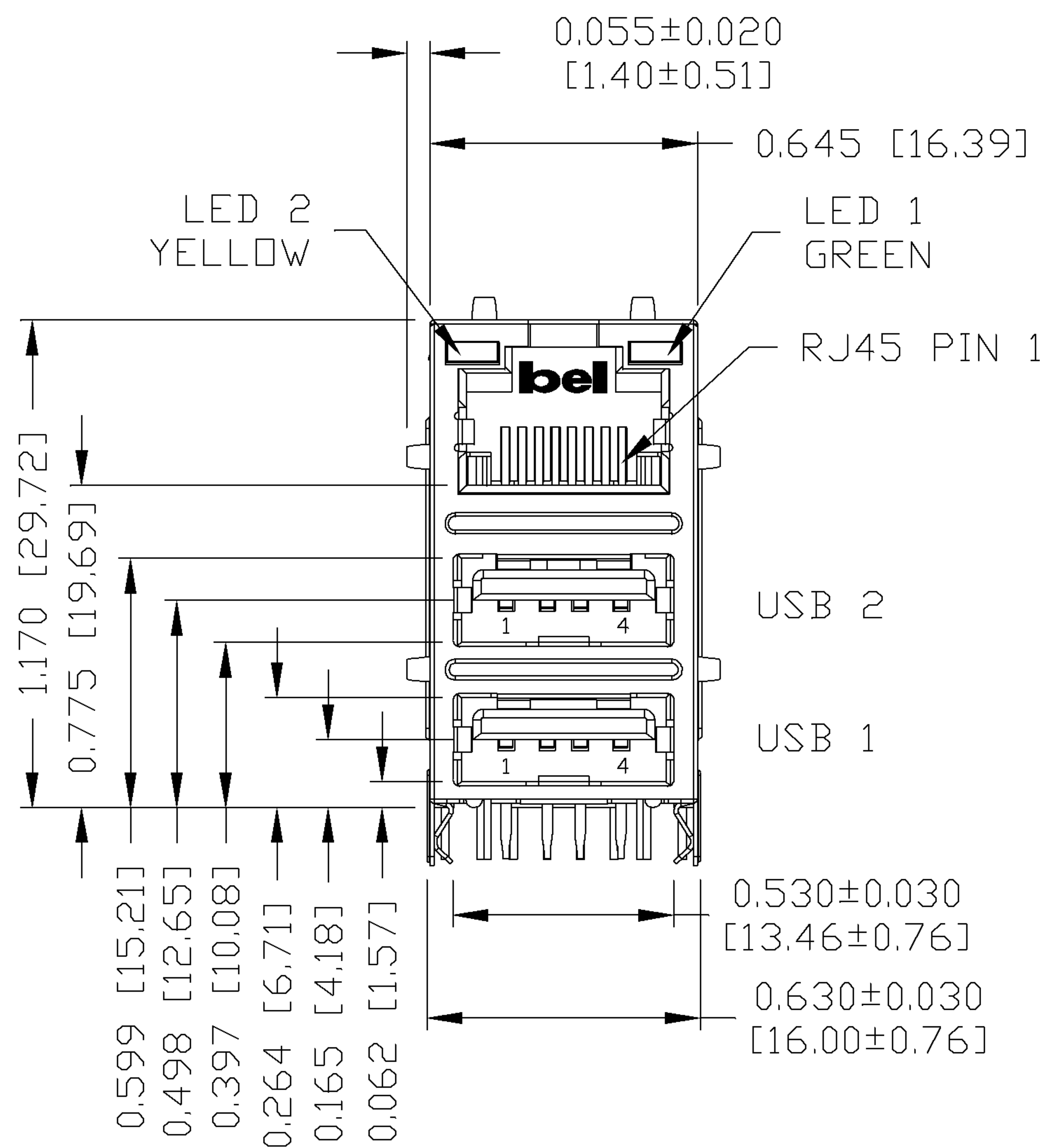
USB ELECTRICAL:
INSULATION RESISTANCE: 1000 MEG W(MIN)
CONTACT RESISTANCE: 25 MILLI W(MAX)
DIELECTRIC WITHSTANDING: 750 VAC

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHOW WANCHUNG	12-25-07	MagJack® Combo	08C2-1D1T-06	TOL. IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE	<4 Cores, MDIX, CM TERMINATION>	FILE NAME	.X	SCALE : N/A	SIZE : A4
DENG PING	12-25-07		08C2-1D1T-06_B.DWG	.XX		PAGE : 2
				.XXX		



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MECHANICAL SPECIFICATION

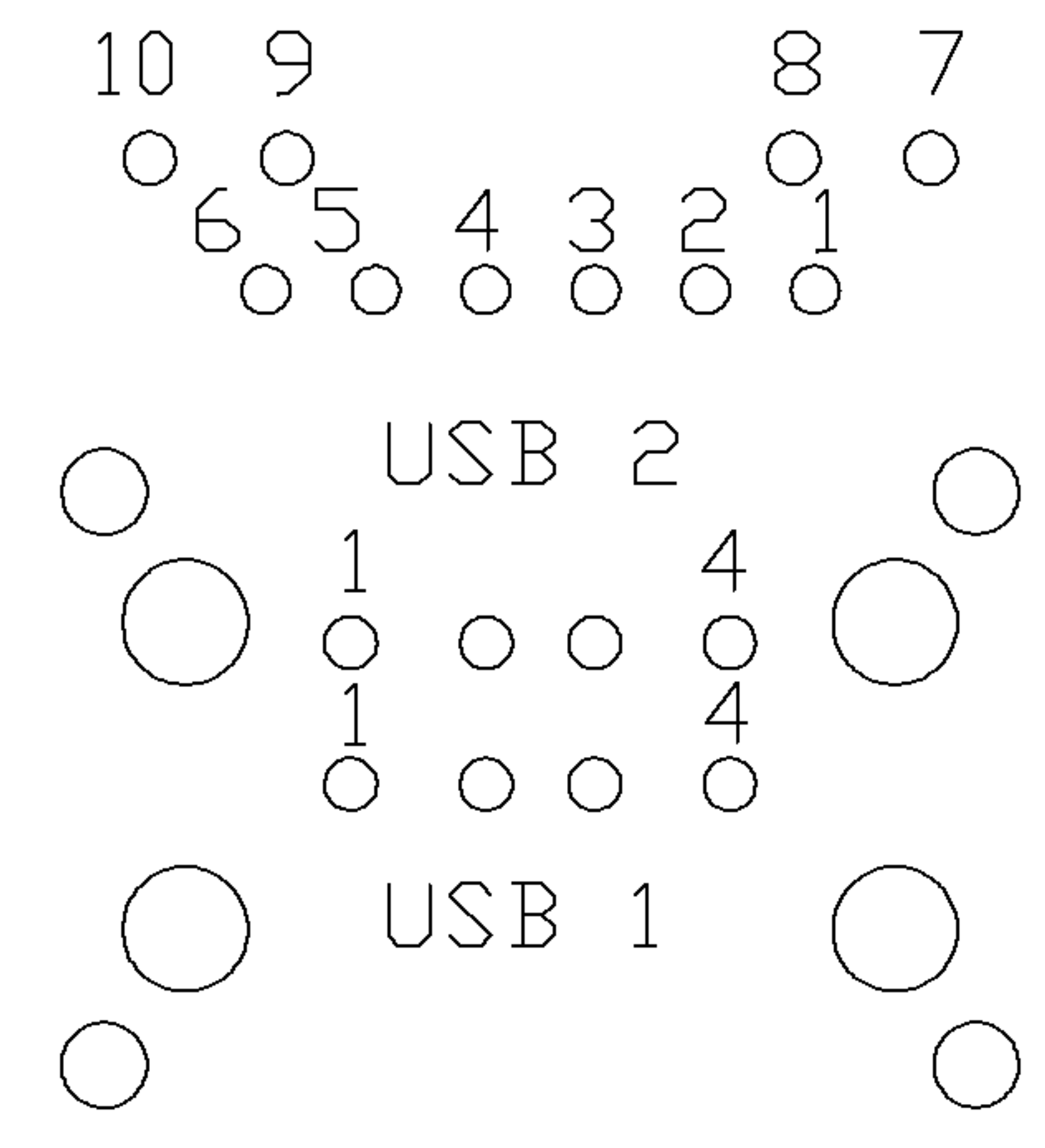
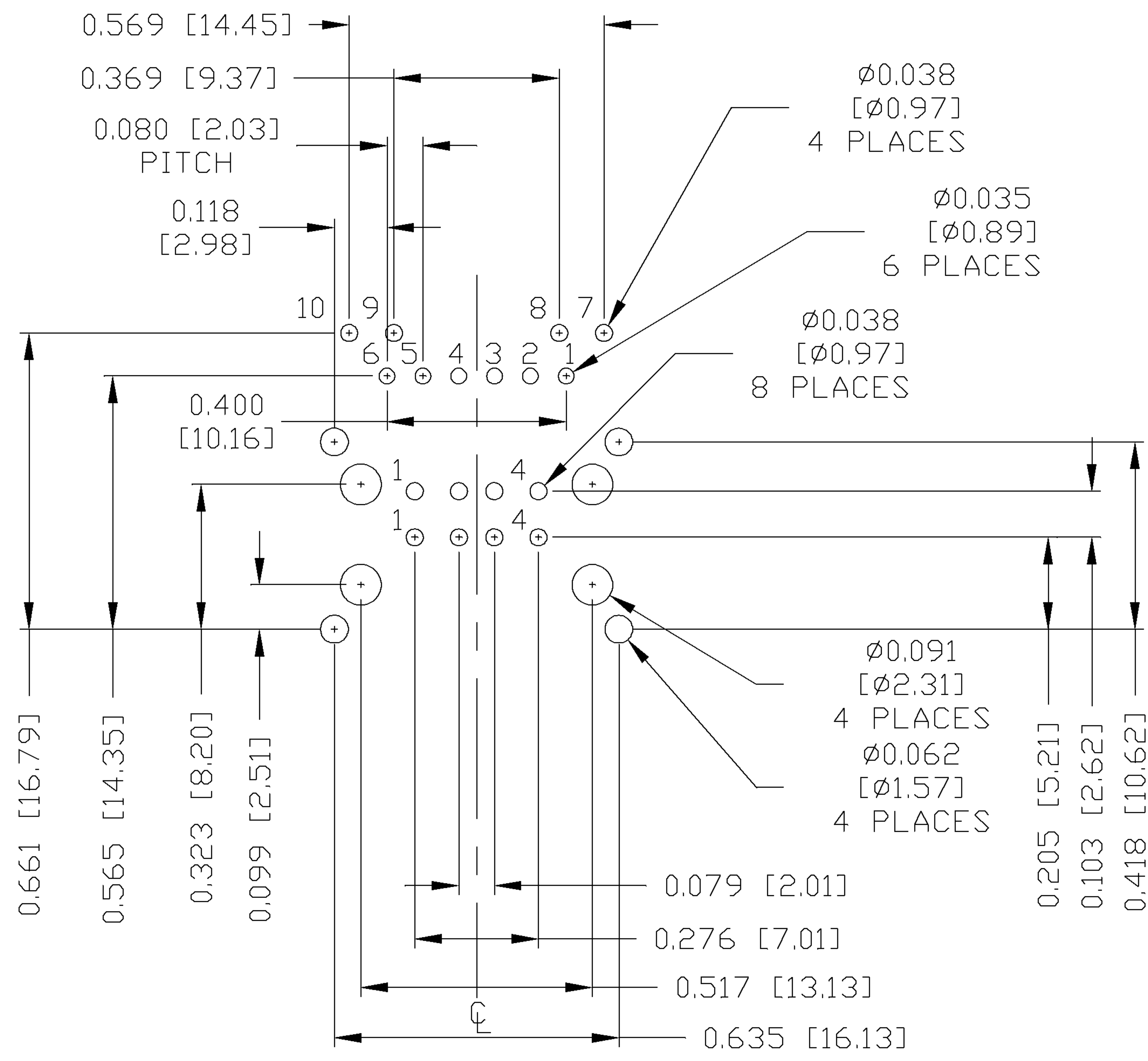


ORIGINATED BY	DATE	TITLE MagJack® Combo (4 Cores, MDIX, CM TERMINATION)	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
LIU QIN	12-25-07		08C2-1D1T-06		TOL. IN INCH		UNIT : INCH [mm] REV. : B		
DRAWN BY	DATE		FILE NAME		.X		SCALE : N/A SIZE : A4		
CHEN TING	12-25-07		08C2-1D1T-06_B.DWG		.XX		 PAGE : 3		
					.XXX		±0.010		

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Recommended PCB footprint
Component Side



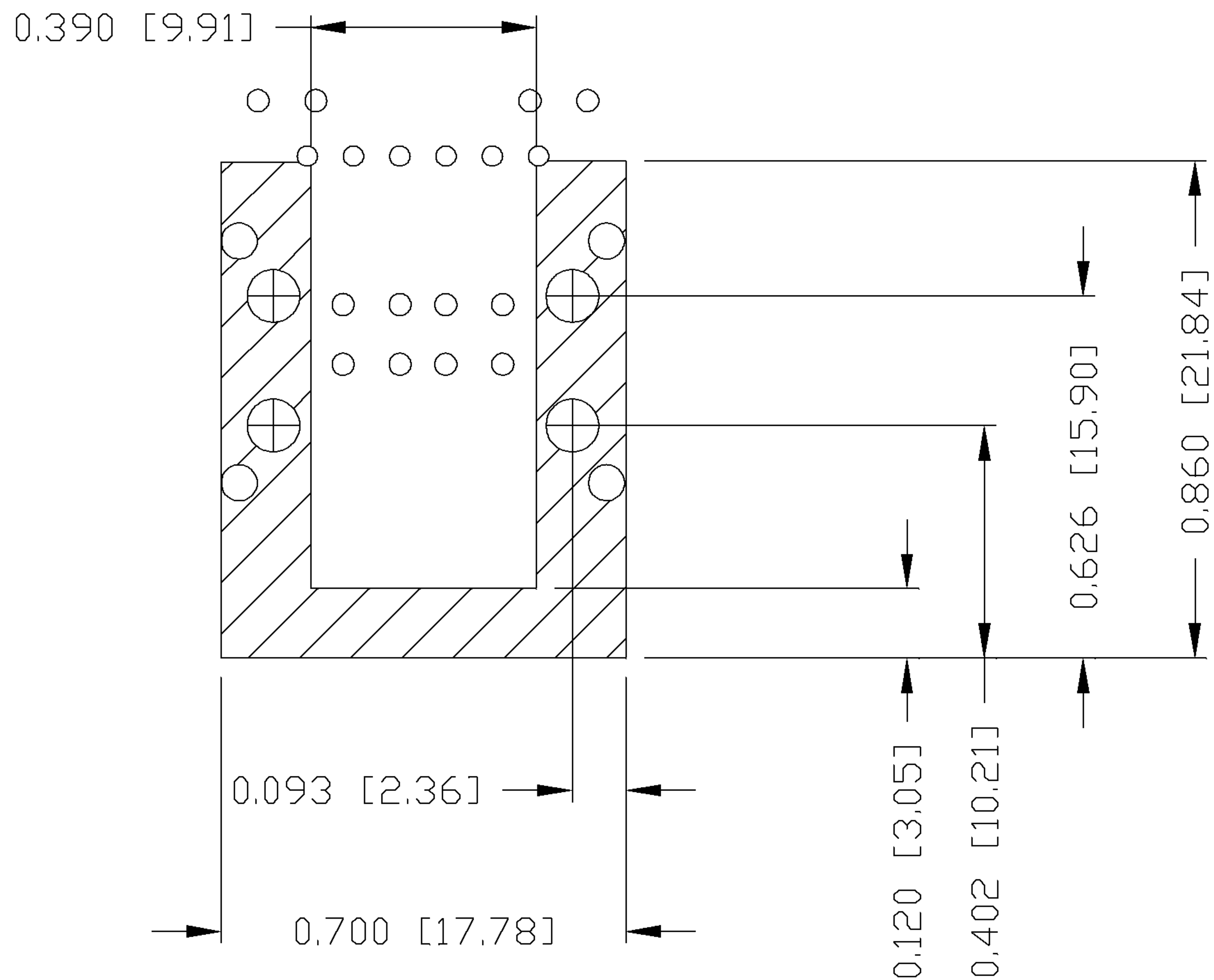
RJ45 MECHANICAL:
PLASTIC HOUSING: THERMOPLASTIC PBT OR EQUIVALENT.
CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

USB MECHANICAL:
MATING FORCE: 35 NEWTONS MAXIMUM
UNMATING FORCE: 10 NEWTONS MINIMUM
CONTACT: PHOSPHOR BRONZE
30 MICRO-INCH GOLD PLATING ON CONTACT
AREA AND TIN ON SOLDER TAIL.

- CAL**® US UL RECOGNIZED - FILE #E196366 AND E169987.
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
 2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

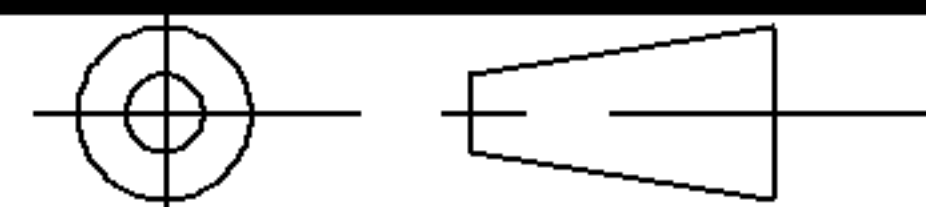
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DRAWN BY CHEN TING	DATE 12-25-07		FILE NAME 08C2-1D1T-06_B.DWG	±0.004		

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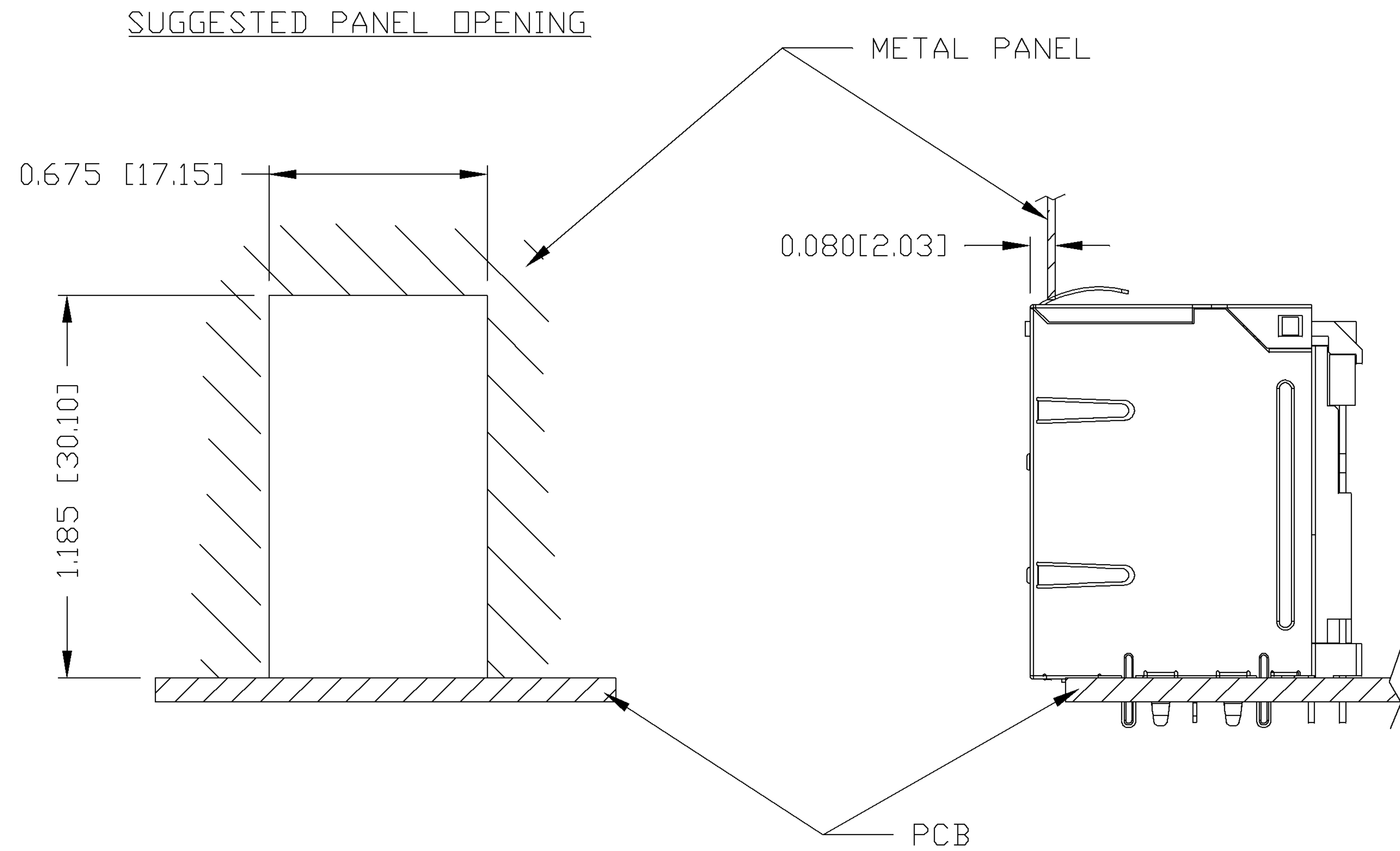
NOTES

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

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				.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY CHEN TING	DATE 12-25-07		FILE NAME 08C2-1D1T-06_B.DWG	.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 5	

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RoHS
2002/95/EC



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-A3

PACKING QUANTITY : 42 PCS FINISHED GOODS PER TRAY

10 TRAYS (420 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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			.XXX	±0.004				

