

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

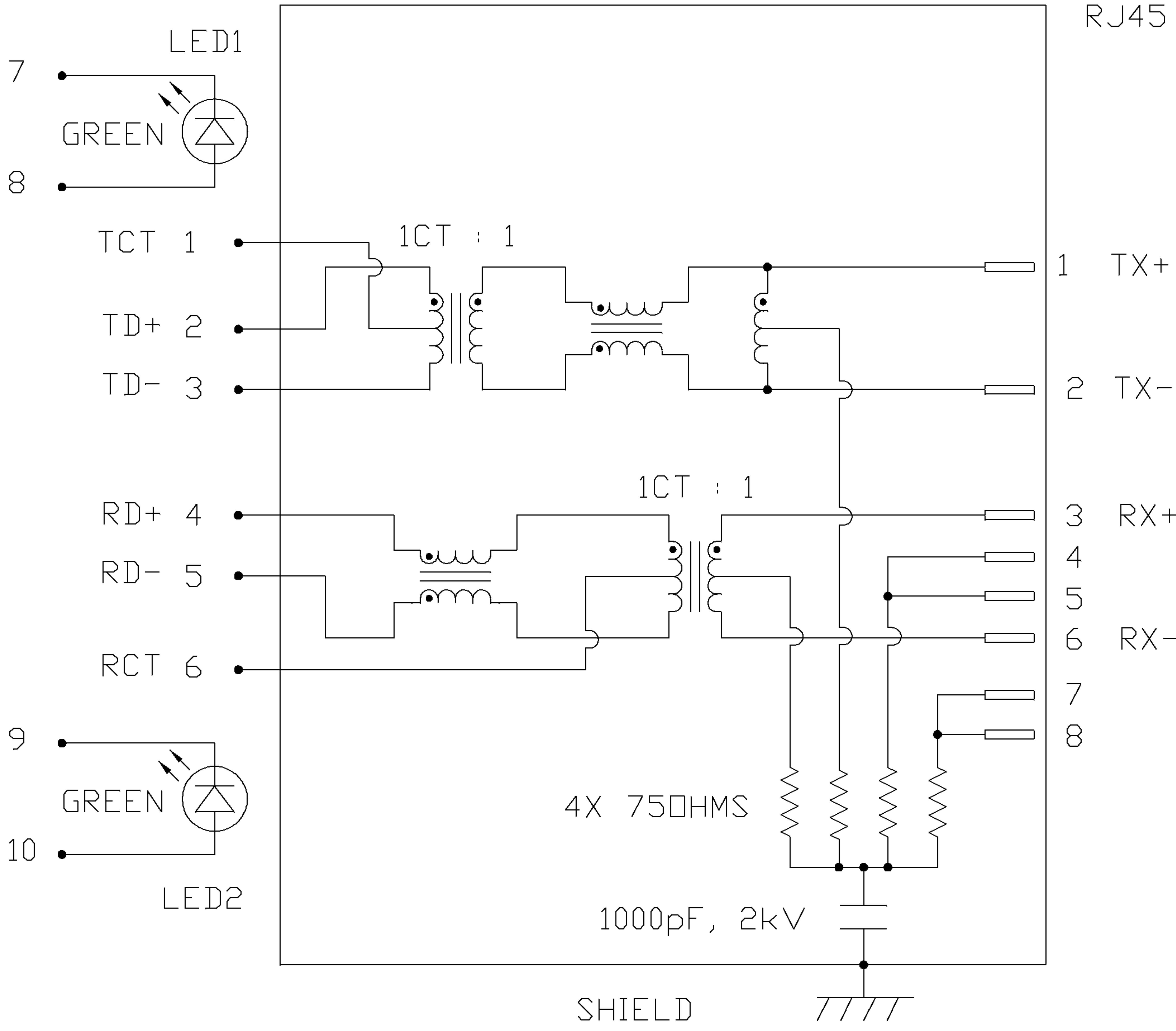
TX	1CT : 1
RX	1CT : 1
□CL @ 100kHz/100mVRMS	
8mA DC BIAS	350μH MIN.
INS. LOSS	
1MHz TO 100MHZ	-1.0 dB MAX
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
100kHz-100MHZ	-35 dB MIN
CM TO CM REJ	
100kHz-100MHZ	-30 dB MIN
CM TO DM REJ	
100kHz-100MHZ	-35 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.	
LED 1 & 2	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.

USB ELECTRICAL:

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

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

SCHEMATIC

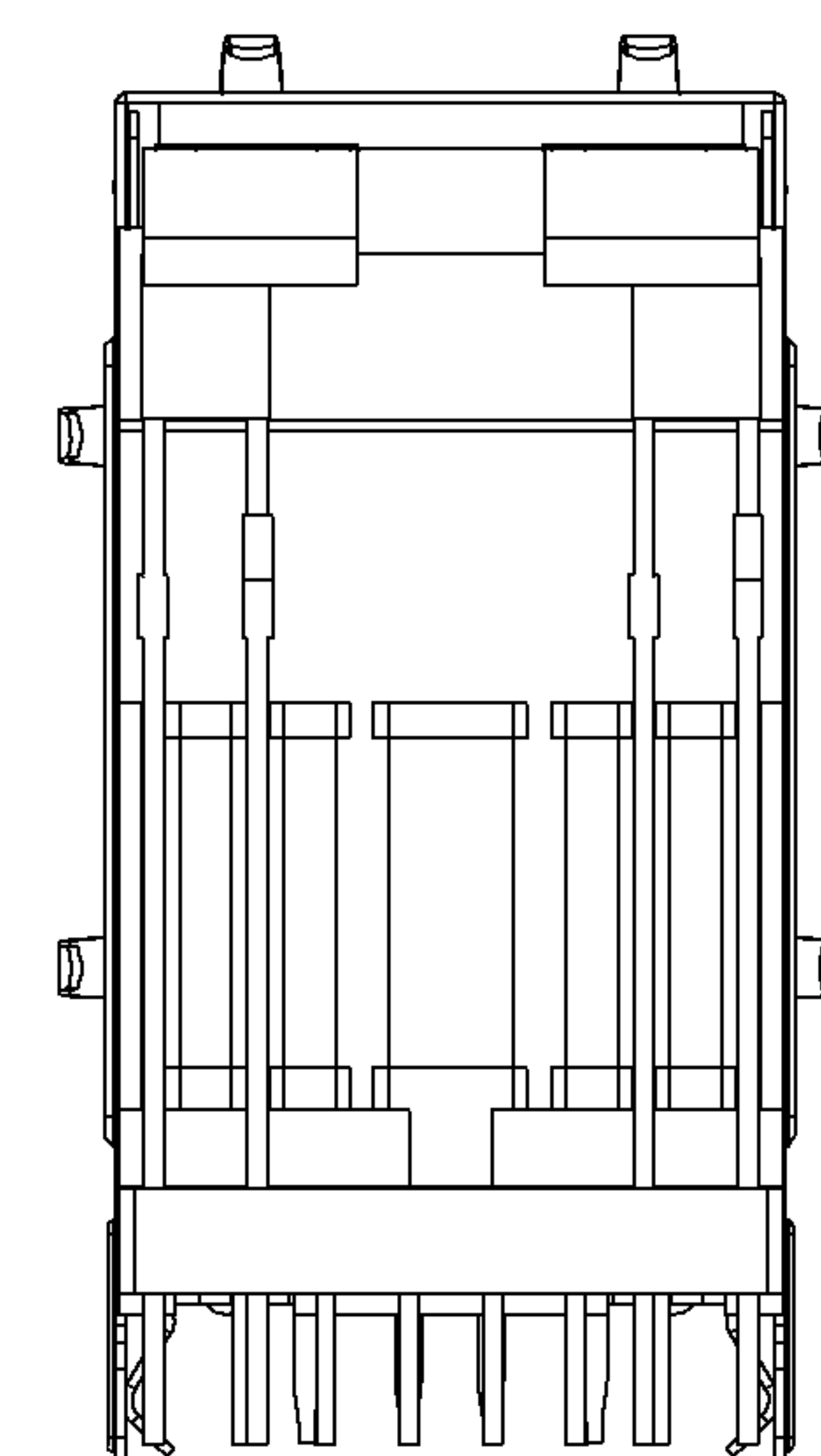
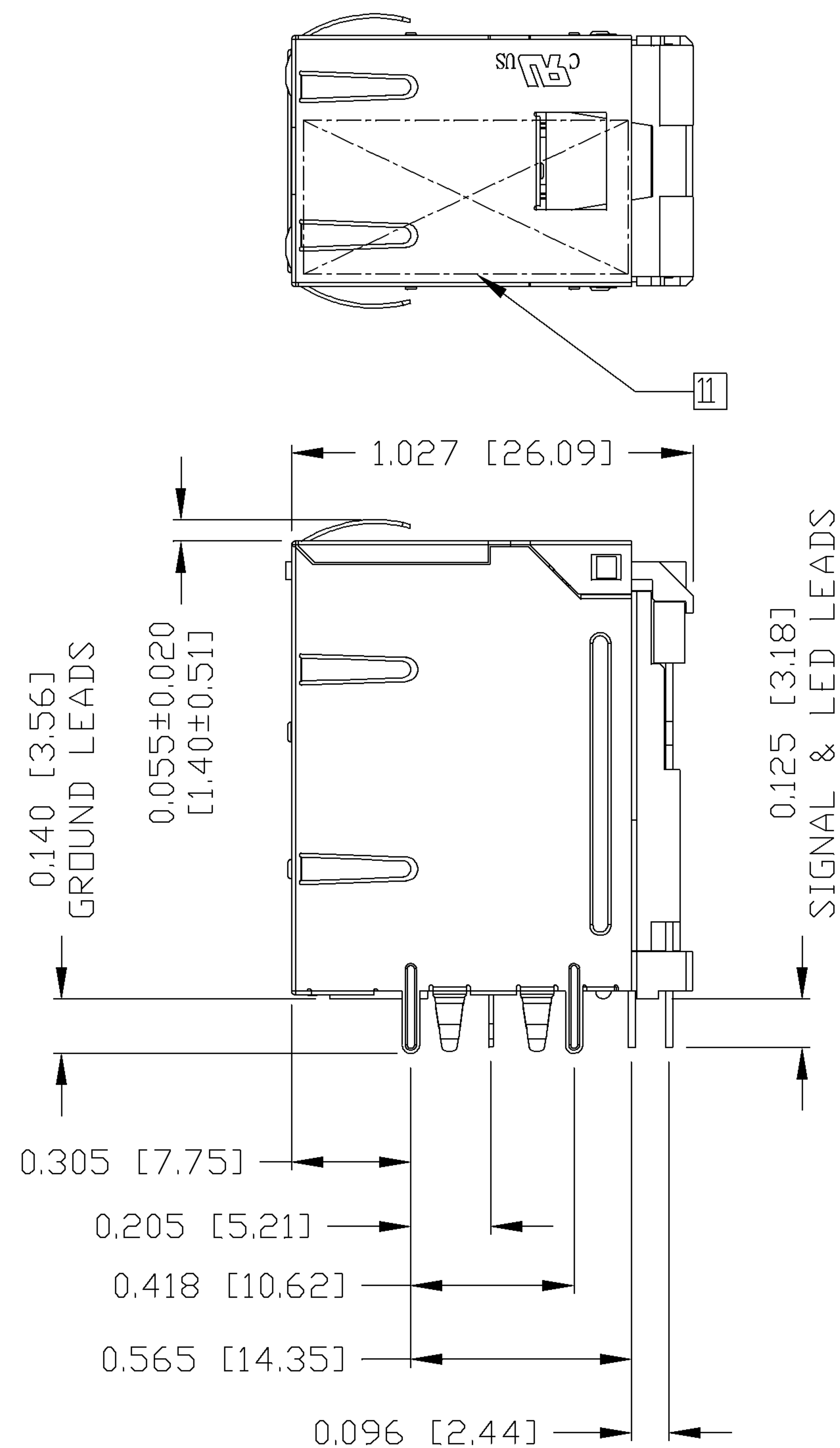
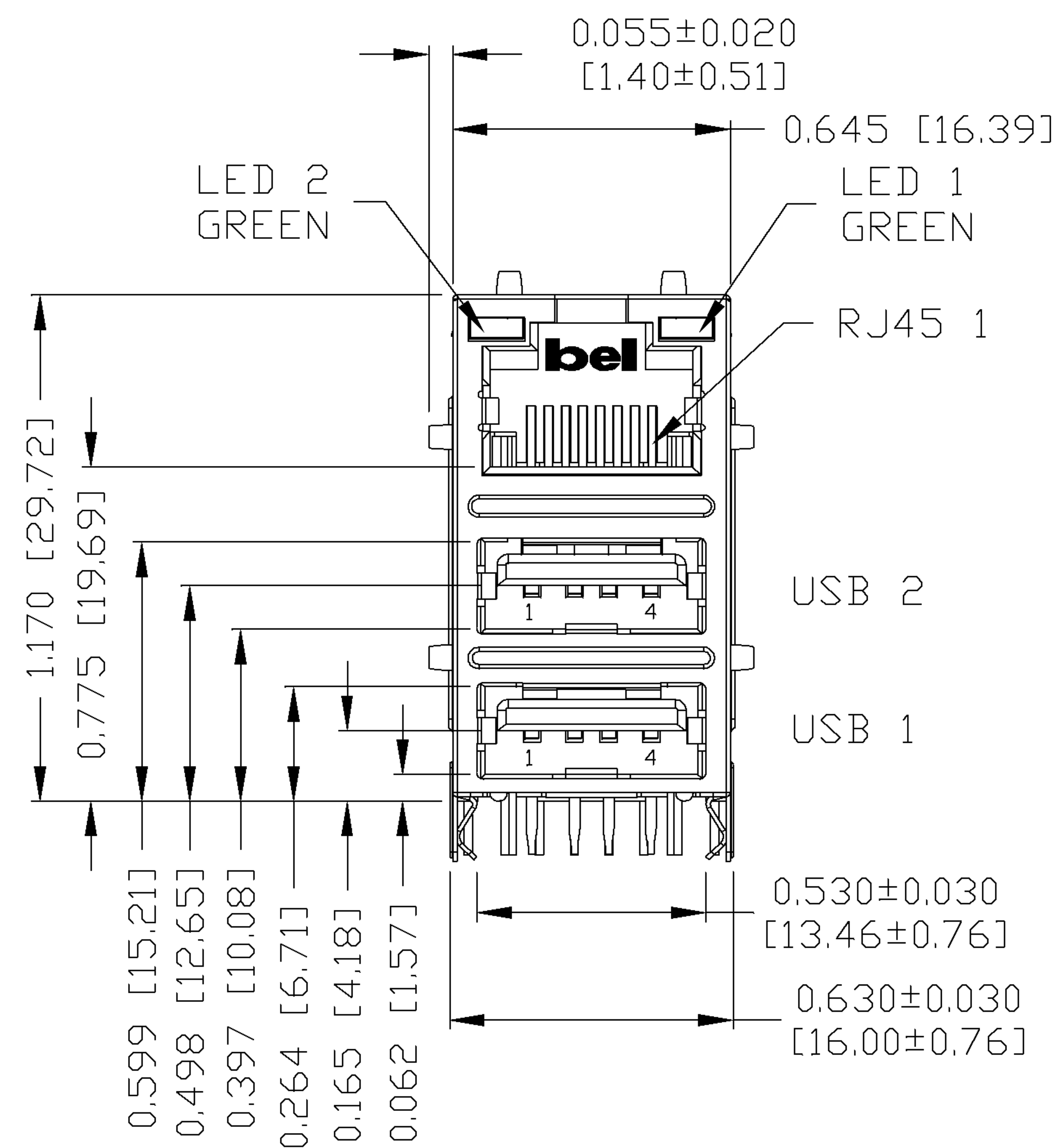


ORIGINATED BY	DATE	TITLE MagJack® Combo (CM Termination)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 
CHOW WANCHUNG	12-25-07		08C2-1G1T-03	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
DENG PING	12-25-07		08C2-1G1T-03_A.DWG	.XX			PAGE : 2	
			.XXX					



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MECHANICAL SPECIFICATION



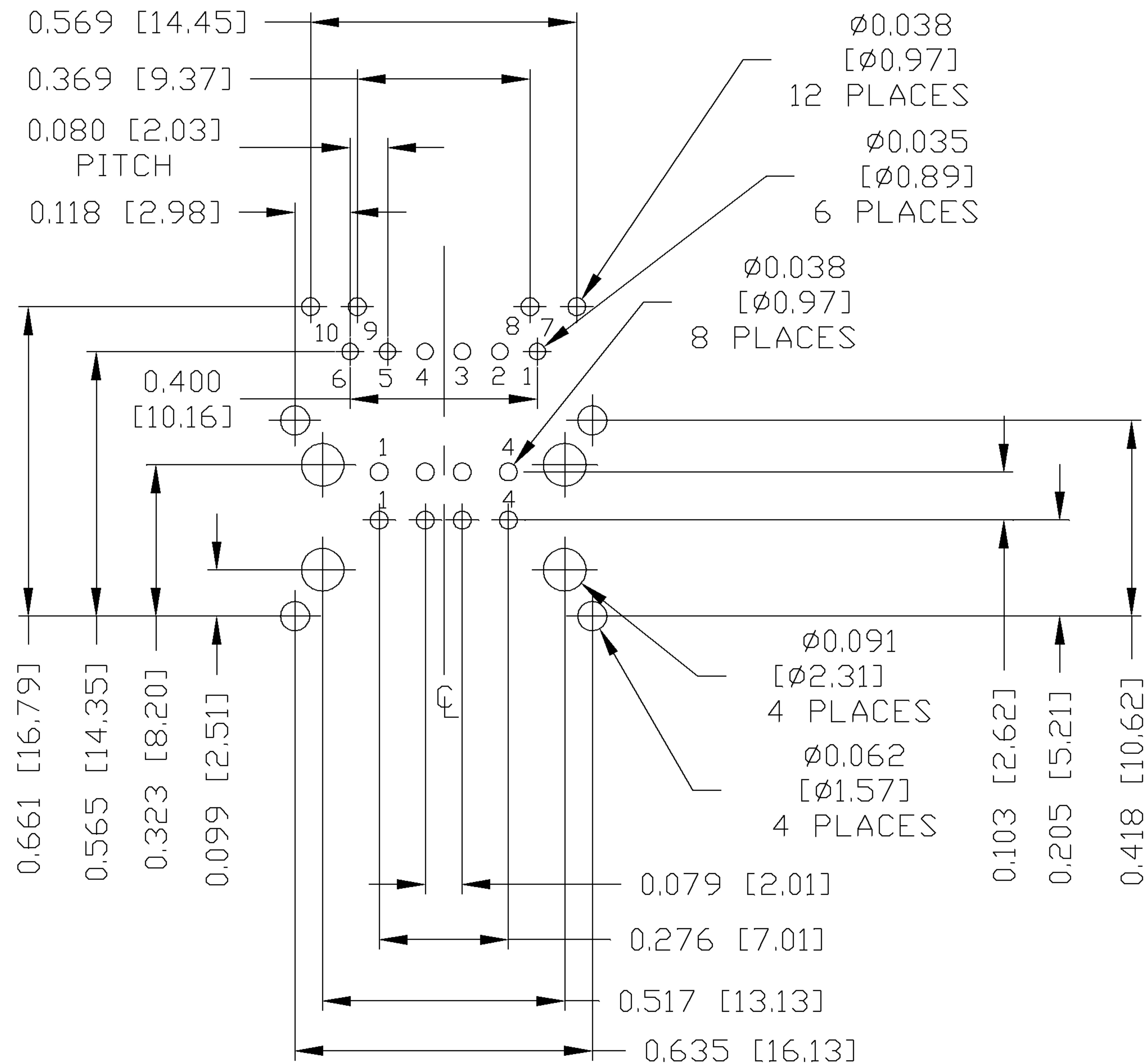
ORIGINATED BY	DATE	TITLE MagJack® Combo (CM Termination)	PART NO. / DRAWING NO. 08C2-1G1T-03		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
LIU QIN	12-25-07		FILE NAME 08C2-1G1T-03_A.DWG		.X		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE				.XX		SCALE : N/A	SIZE : A4	
CHEN TING	12-25-07				.XXX		±0.010		

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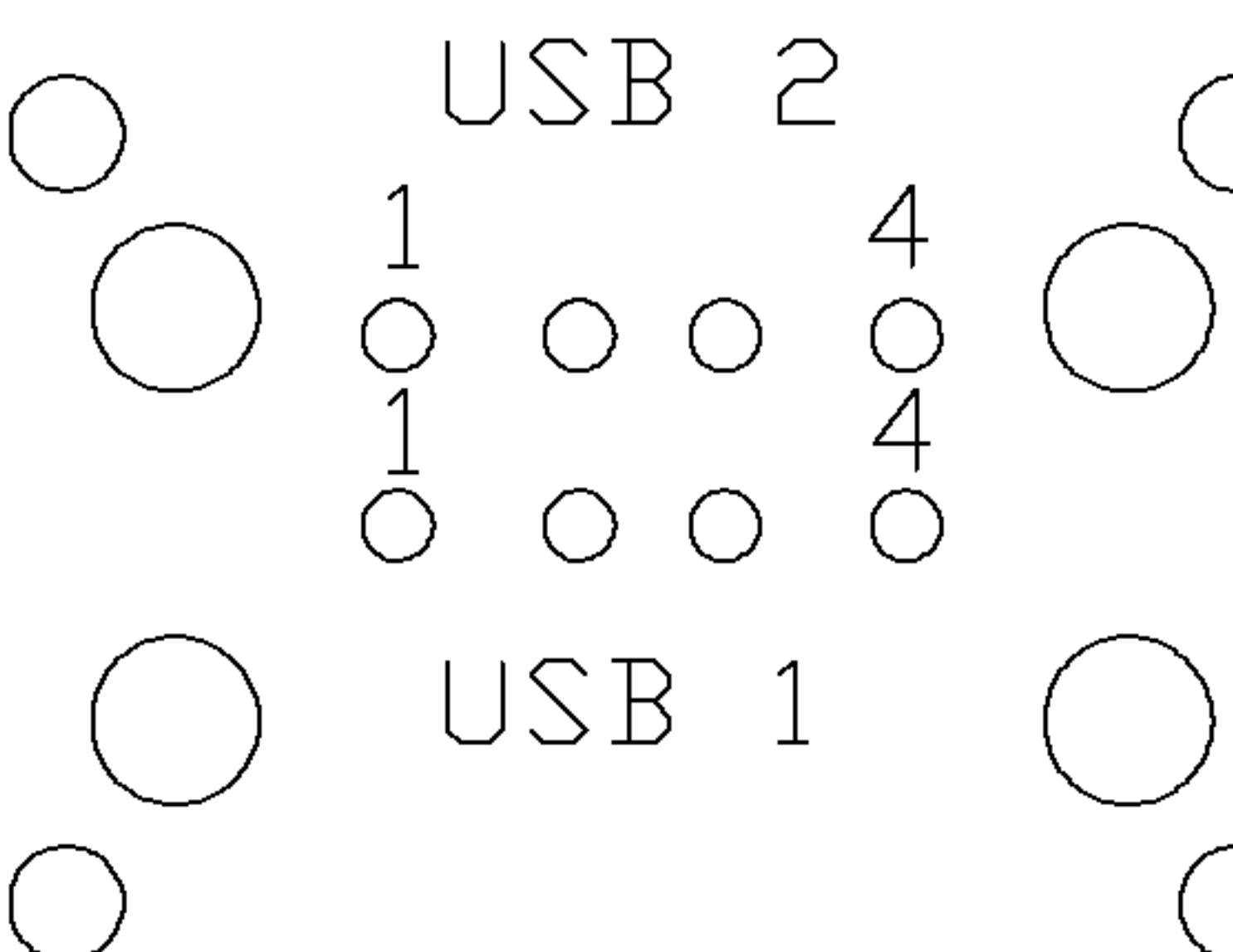
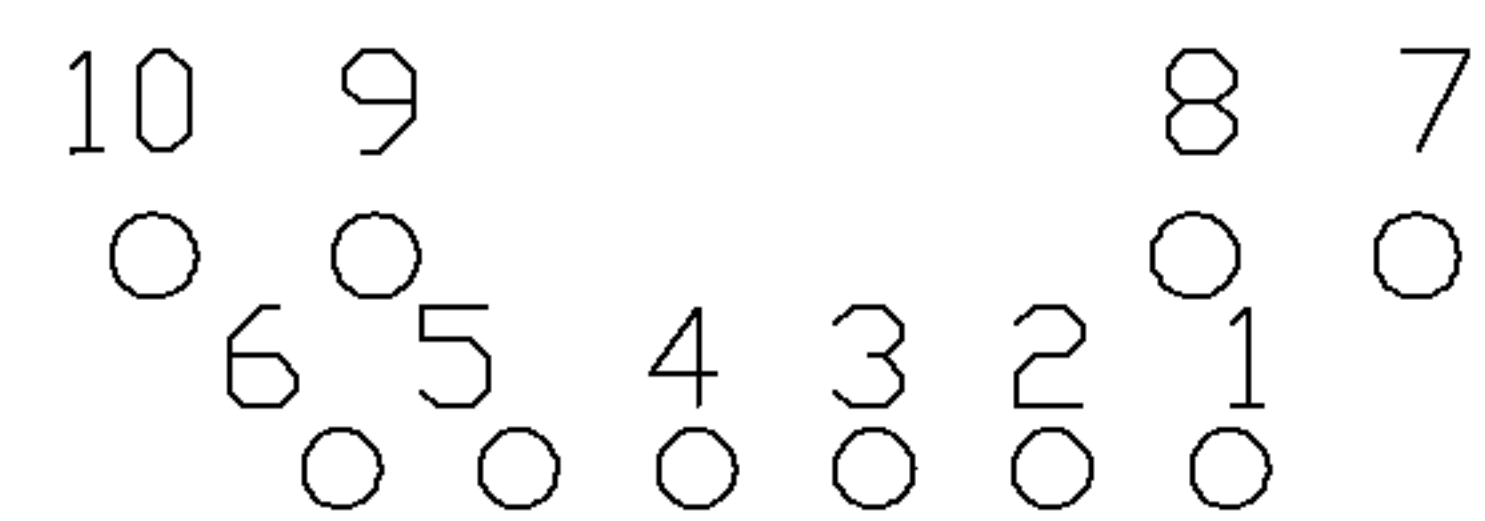
RoHS
2002/95/EC



Recommended PCB footprint
Component Side



PIN ASSIGNMENT



RJ45 MECHANICAL:
PLASTIC HOUSING:
CONTACT PLATING:
PINS:
METAL SHIELD:

THERMOPLASTIC PBT OR EQUIVALENT,
FLAMMABILITY RATING UL 94V-0
30 MICRO-INCH HARD GOLD PLATING
TIN-COATED COPPER WIRE, DIA 0.018 INCH.
NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

USB MECHANICAL:
MATING FORCE:
UNMATING FORCE:
CONTACT:

35 NEWTONS MAXIMUM
10 NEWTONS MINIMUM
PHOSPHOR BRONZE
30 MICRO-INCH GOLD PLATING ON CONTACT
AREA AND TIN ON SOLDER TAIL.



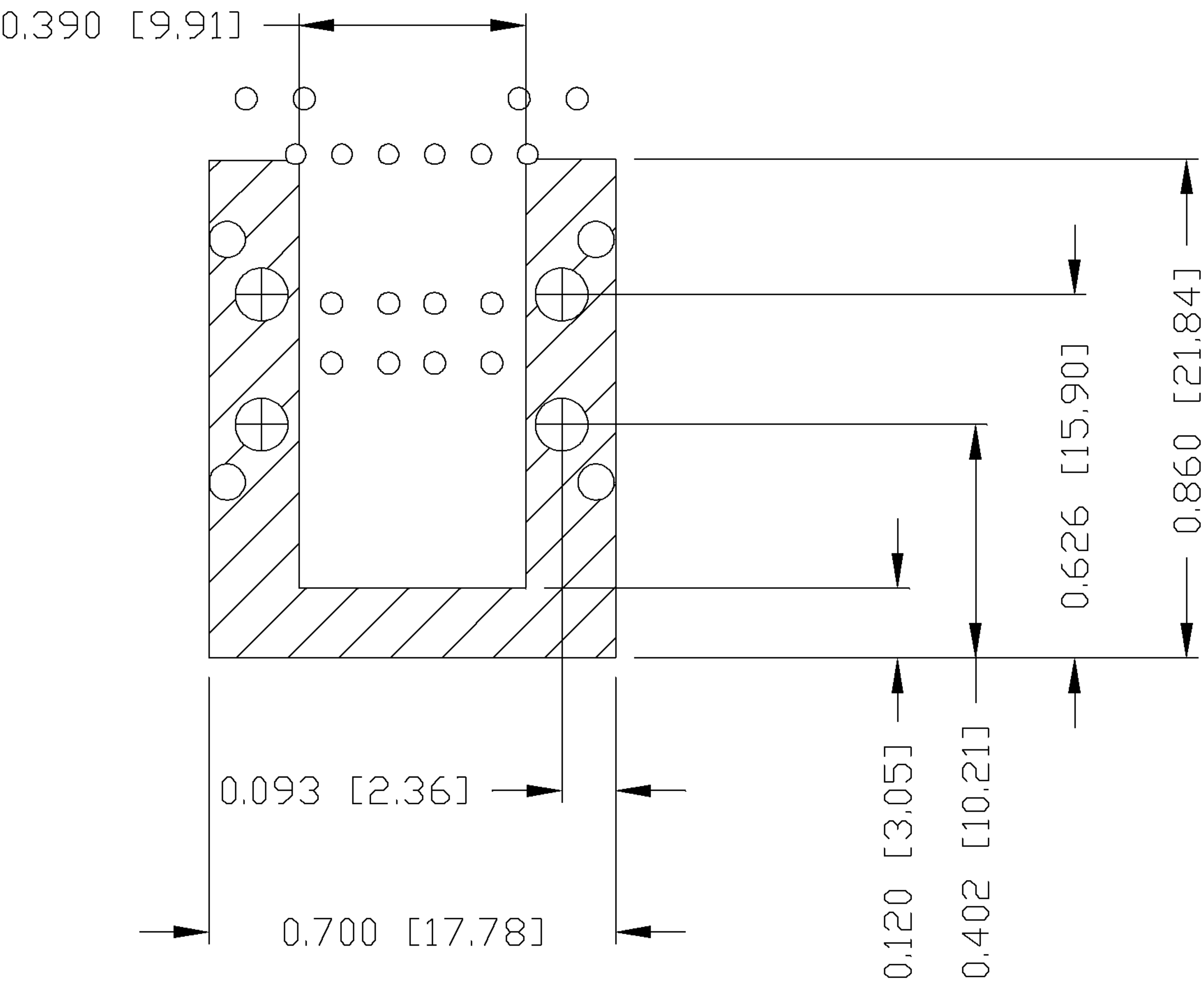
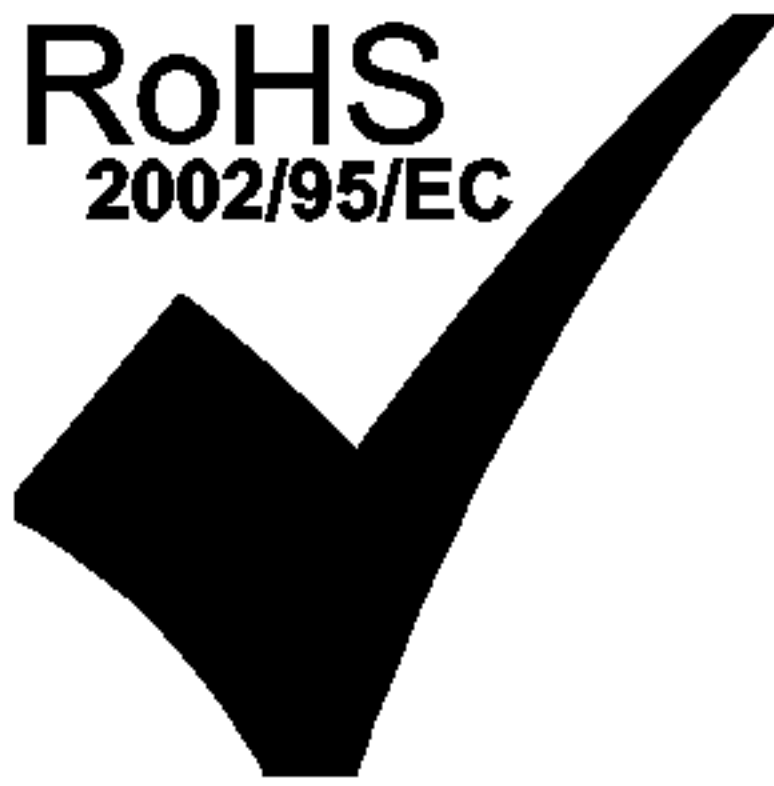
US UL RECOGNIZED - FILE #E196366 AND E169987.

1. MARK PART WITH MFG LOGO, MFG NAME, PBRT 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	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
CHEN TING	12-25-07		08C2-1G1T-03_A.DWG	.XX		PAGE : 4
				.XXX		



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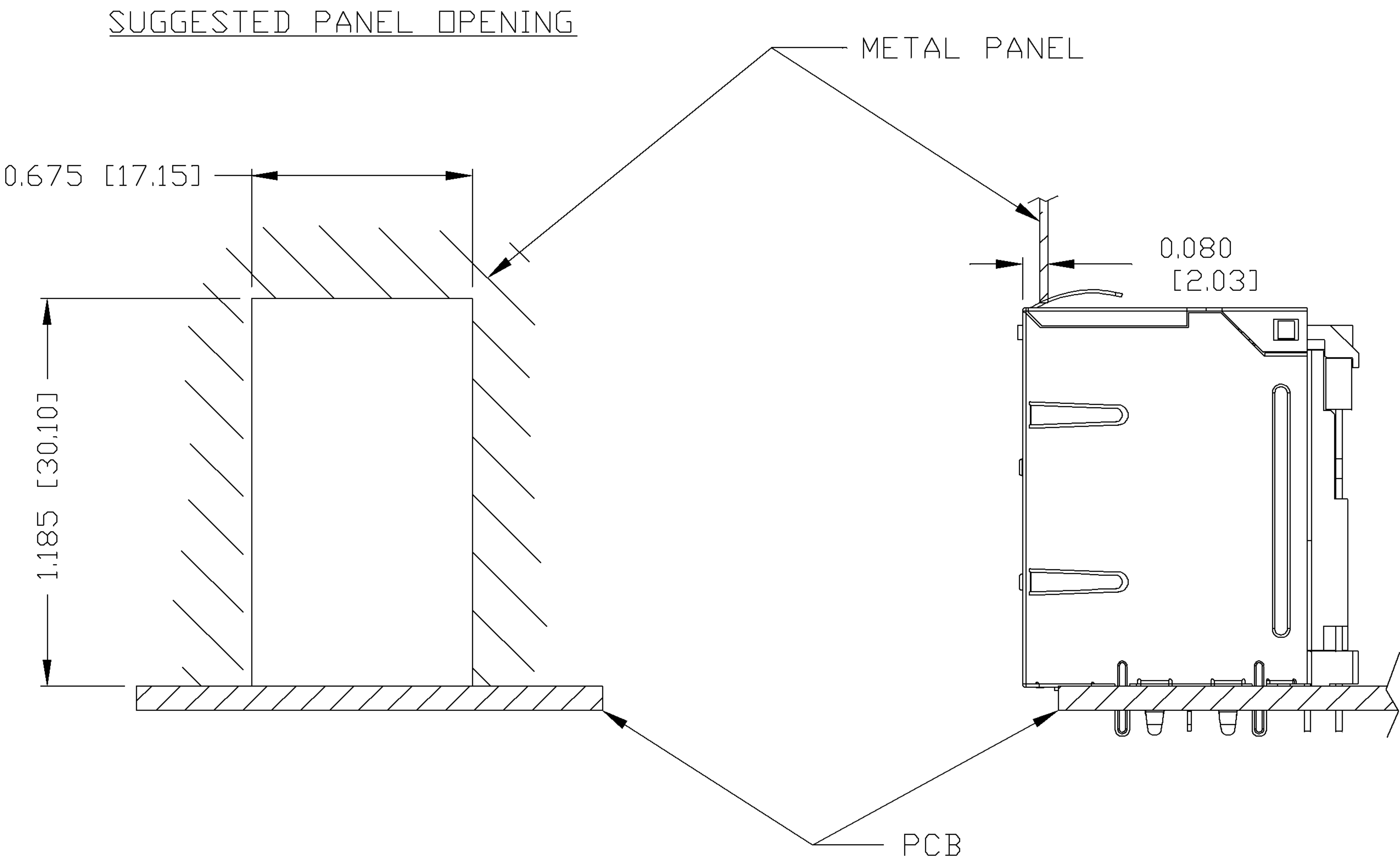


NOTES

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

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DRAWN BY	DATE				.XX		SCALE : N/A	SIZE : A4	
CHEN TING	12-25-07				.XXX		±0.004		

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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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				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
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DRAWN BY	DATE		FILE NAME	.XX			PAGE : 6
CHEN TING	12-25-07		08C2-1G1T-03_A.DWG	.XXX	±0.004		