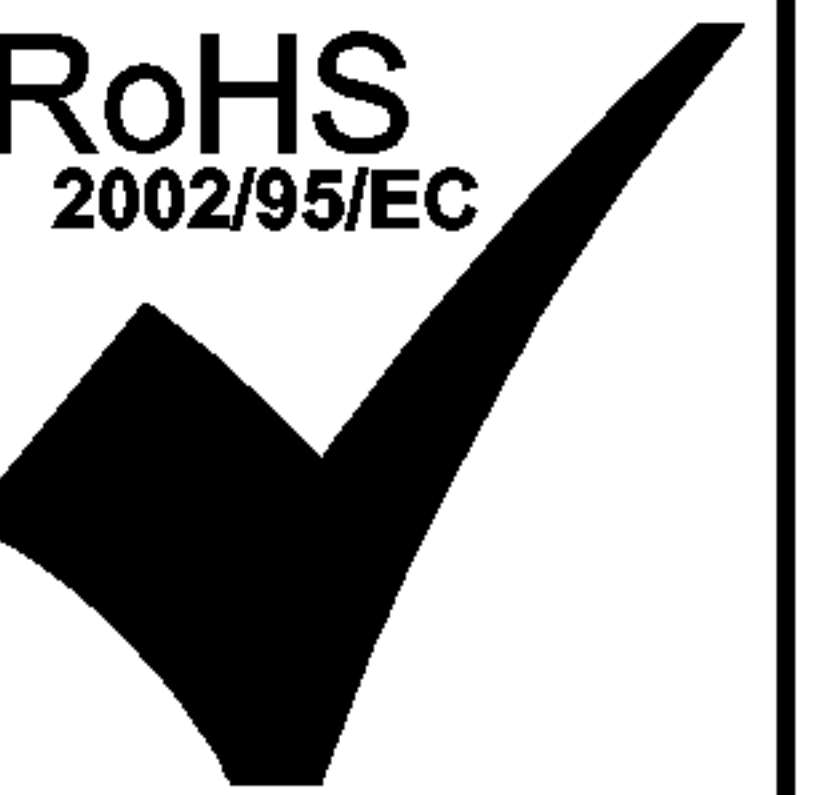


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LED1 POLARITY			LED2 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
—	+	GREEN	—	+	YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS 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)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	-35 dB MIN
100kHz-100MHz	

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

CM TO DM REJ -40 dB MIN
100kHz-100MHz

HI POT (Isolation Voltage): 1500 Vrms
100% OF PRODUCTION TESTED TO COMPLY
WITH IEEE 802.3 ISOLATION REQUIREMENTS.

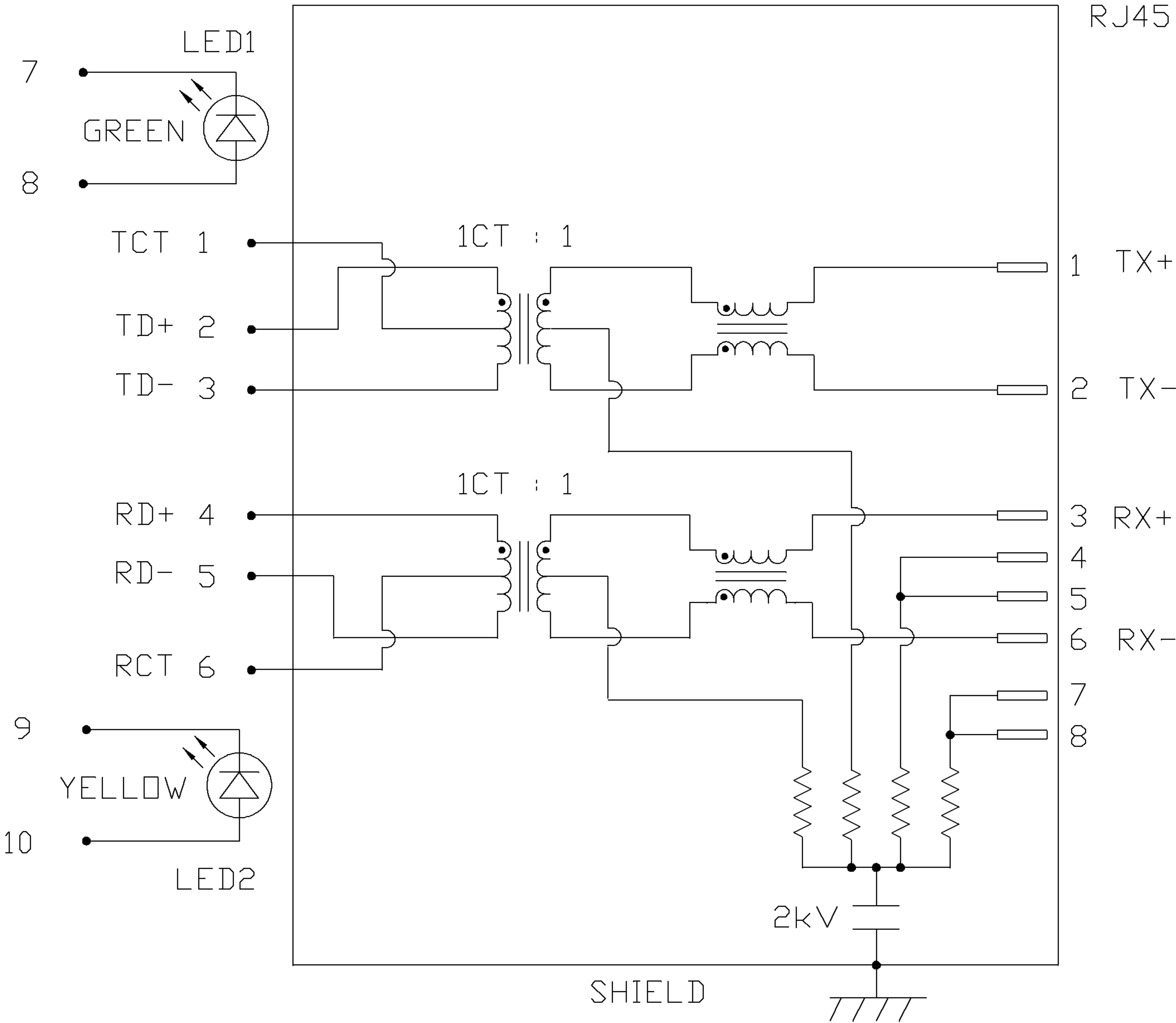
LED 1

V _F (FORWARD VOLTAGE)	I _F =20mA	GREEN	2.2V TYP.
λ _D (DOMINANT WAVELENGTH)	I _F =20mA	GREEN	565nm TYP.

LED 2

VF (FORWARD VOLTAGE)	IF=20mA	YELLOW 2.1V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA	YELLOW 590nm TYP.

SCHEMATIC



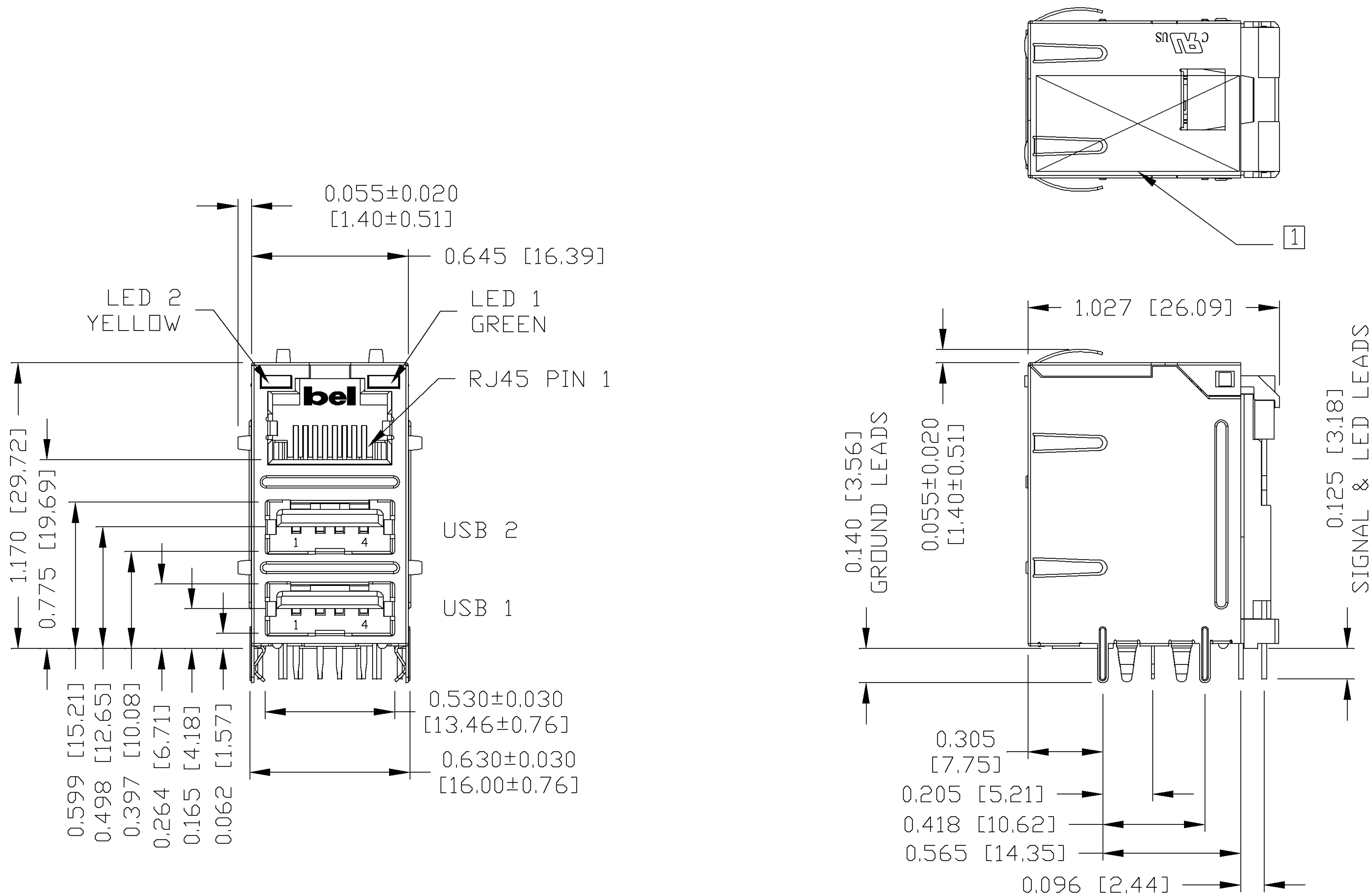
USB ELECTRICAL:
INSULATION RESISTANCE: 1000 MEG W (MIN)
CONTACT RESISTANCE: 25 MILLI W (MAX)
DIELECTRIC WITHSTANDING: 750 VAC

ORIGINATED BY	DATE	TITLE MagJack® Combo (EXT. Temp., CM Termination)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET 
CHOW WANCHUNG	12-25-07		08C2-1D1T-36	TOL. IN INCH		UNIT : INCH [mm] REV. : B		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A SIZE : A4		
DENG PING	12-25-07			.XX				
		08C2-1D1T-36_B.DWG	.XXX	PAGE : 2				

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MECHANICAL SPECIFICATION



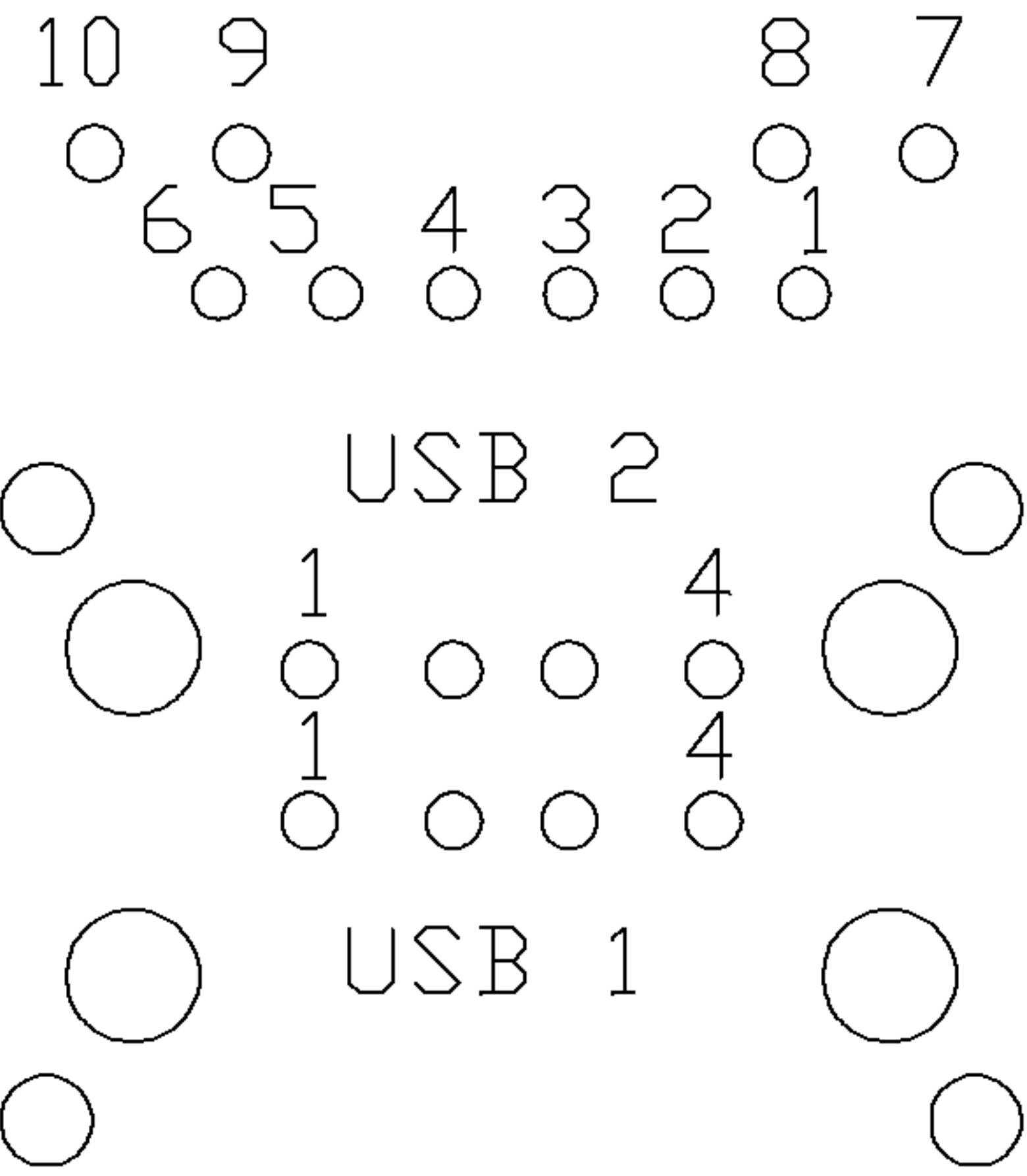
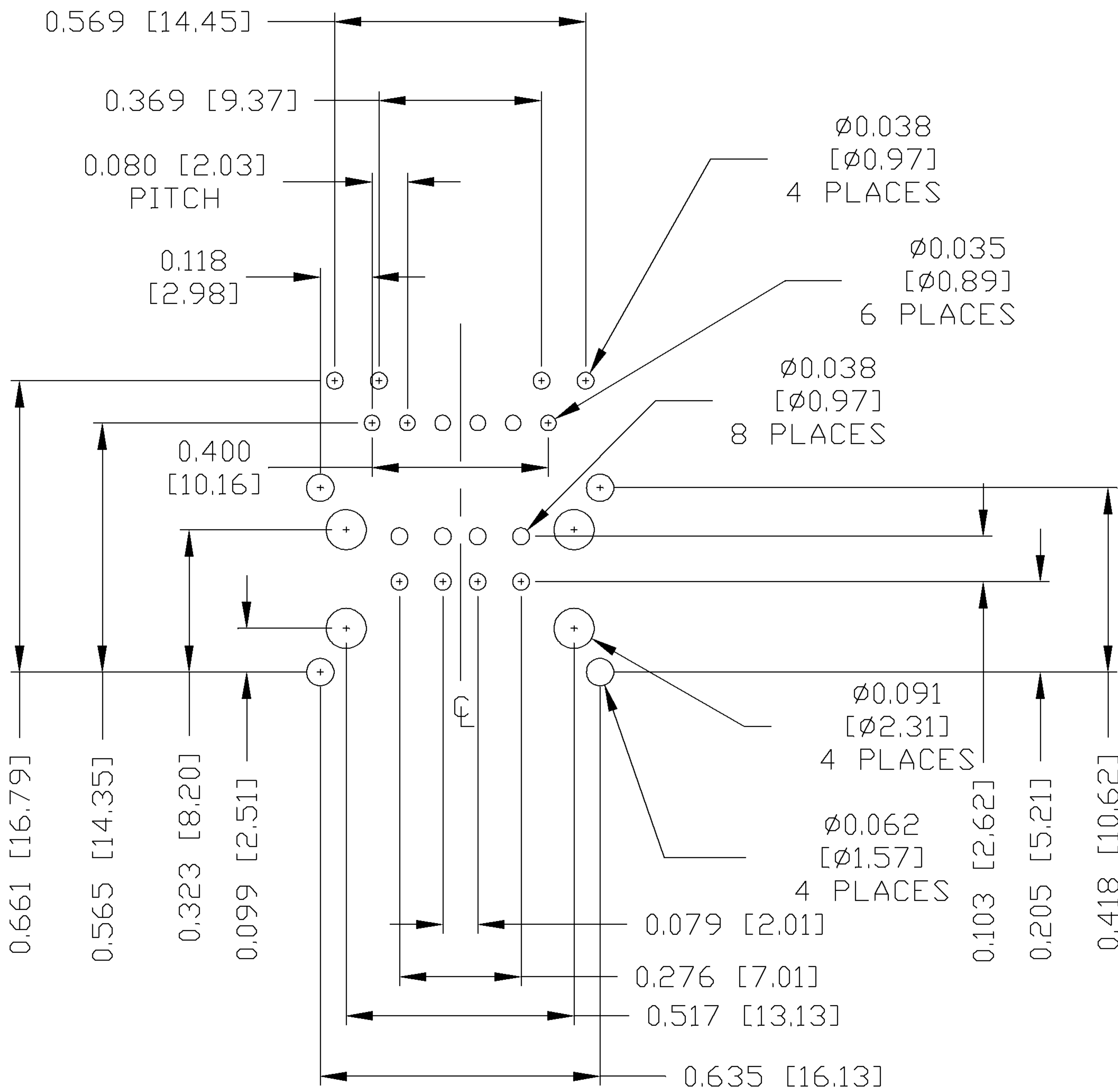
ORIGINATED BY	DATE	TITLE MagJack® Combo (EXT. Temp., CM Termination)	PART NO. / DRAWING NO. 08C2-1D1T-36		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
LIU QIN	12-25-07		FILE NAME 08C2-1D1T-36_B.DWG		.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE				.XX		SCALE : 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

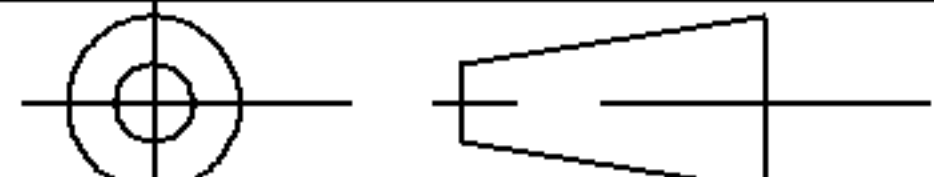


RJ45 MECHANICAL:
PLASTIC HOUSING: THERMOPLASTIC PBT OR EQUIVALENT.
CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

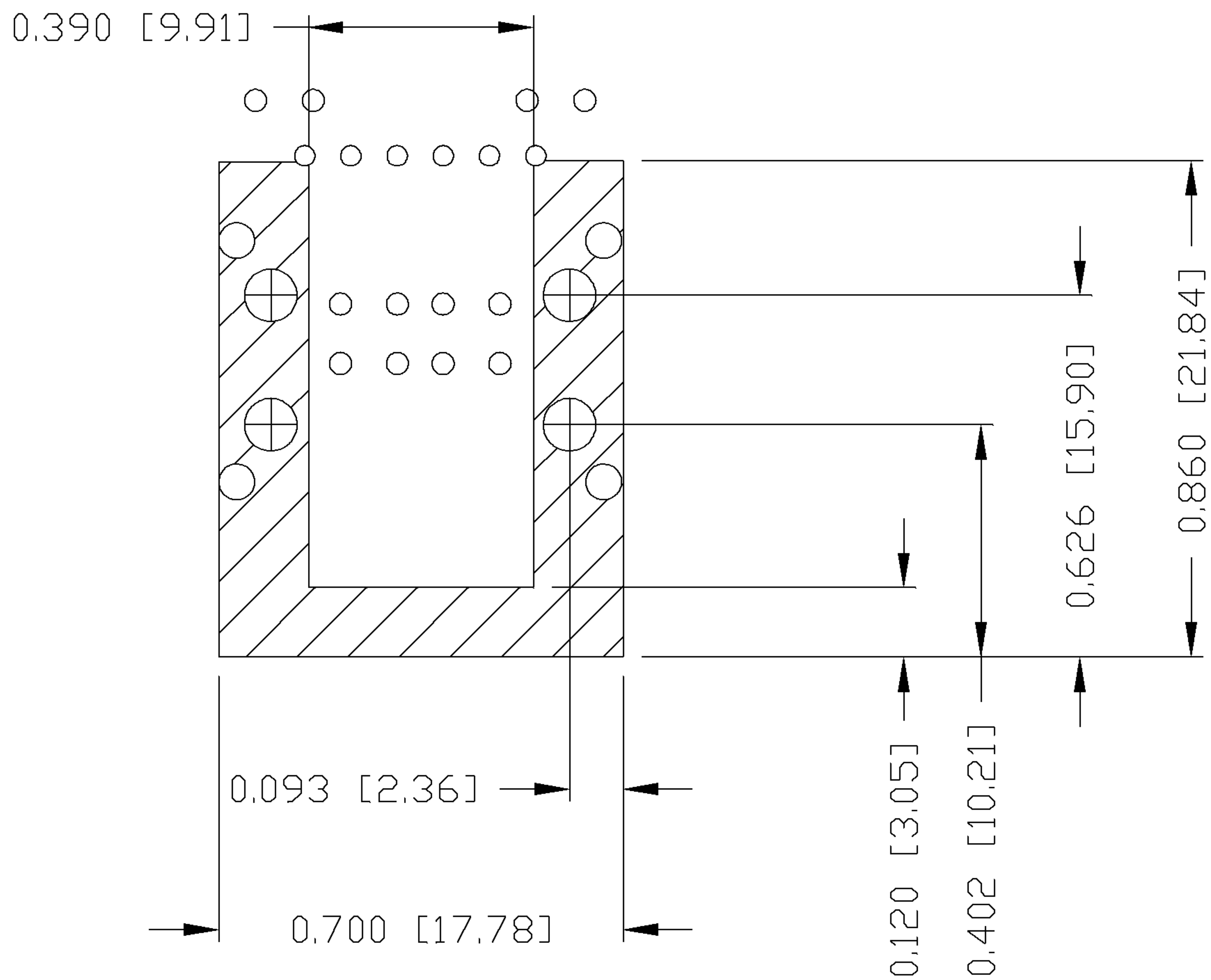
USB MECHANICAL:
MATING FORCE: 35 NEWTONS MAXIMUM
UNMATING FORCE: 10 NEWTONS MINIMUM
CONTACT: PHOSPHOR BRONZE
30 MICRO-INCH GOLD PLATING ON CONTACT
AREA AND TIN ON SOLDER TAIL.

 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.

ORIGINATED BY LIU QIN	DATE 12-25-07	TITLE MagJack® Combo (EXT. Temp., CM Termination)	PART NO. / DRAWING NO. 08C2-1D1T-36	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY CHEN TING	DATE 12-25-07		FILE NAME 08C2-1D1T-36_B.DWG	.X		UNIT : INCH [mm]	REV. : B	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 4	

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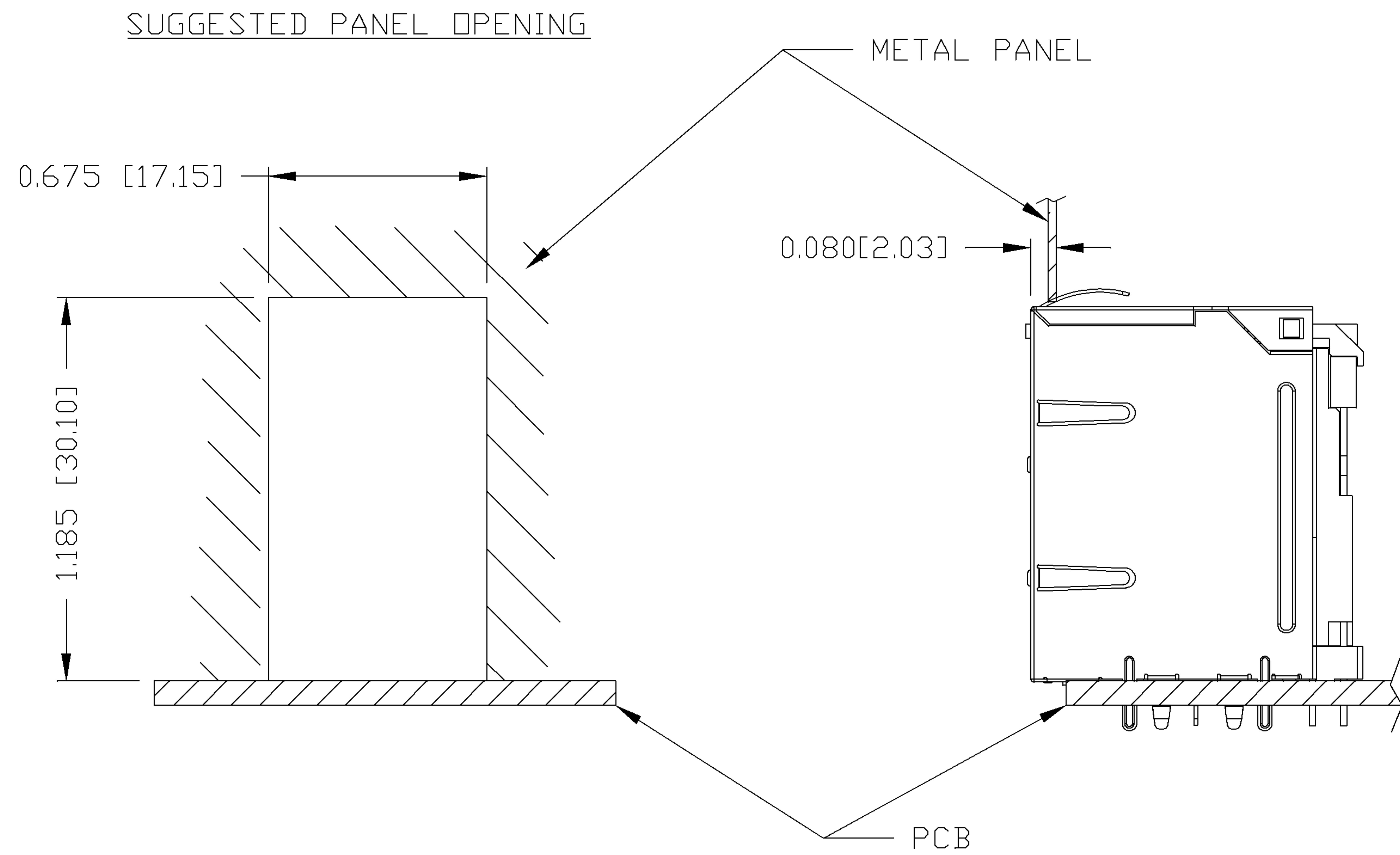


NOTES

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

ORIGINATED BY	DATE	TITLE MagJack® Combo (EXT. Temp., CM Termination)	PART NO. / DRAWING NO. 08C2-1D1T-36		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
LIU QIN	12-25-07		FILE NAME 08C2-1D1T-36_B.DWG		.X		UNIT : INCH [mm]	REV. : B	
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)

ORIGINATED BY	DATE	TITLE MagJack® Combo (EXT. Temp., CM Termination)	PART NO. / DRAWING NO. 08C2-1D1T-36		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
LIU QIN	12-25-07		FILE NAME 08C2-1D1T-36_B.DWG		.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE				.XX		SCALE : N/A	SIZE : A4	
CHEN TING	12-25-07				.XXX		±0.004		