

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1CT ±3%
 RX 1CT : 1CT ±3%

QCL @ 100kHz,100mVRMS

8mA DC BIAS 350uH MIN

INS. LOSS

100KHz TO 100MHz -1.1 dB MAX

RET. LOSS

1MHz-30MHz -18 dB MIN
 30MHz-80MHz -12 dB MIN

CM TO CM REJ

100kHz - 100MHz -30 dB Min

CM TO DM REJ

100kHz - 100MHz -35 dB Min

CROSS TALK

1MHz - 100MHz -30 dB Min

HIPOT (Isolation Voltage):

1500 Vrms or 2250VDC

LEAKAGE INDUCTANCE

PRIMARY W/ SECONDARY 0.3uH Max. @ 1MHz

INTERWINDING CAPACITANCE

PER CHANNEL (PRI. TO SEC.) 30pF Max @ 1MHz

DC RESISTANCE

(RJ1-RJ2)=(RJ3-RJ6) 1.4 ohms Max

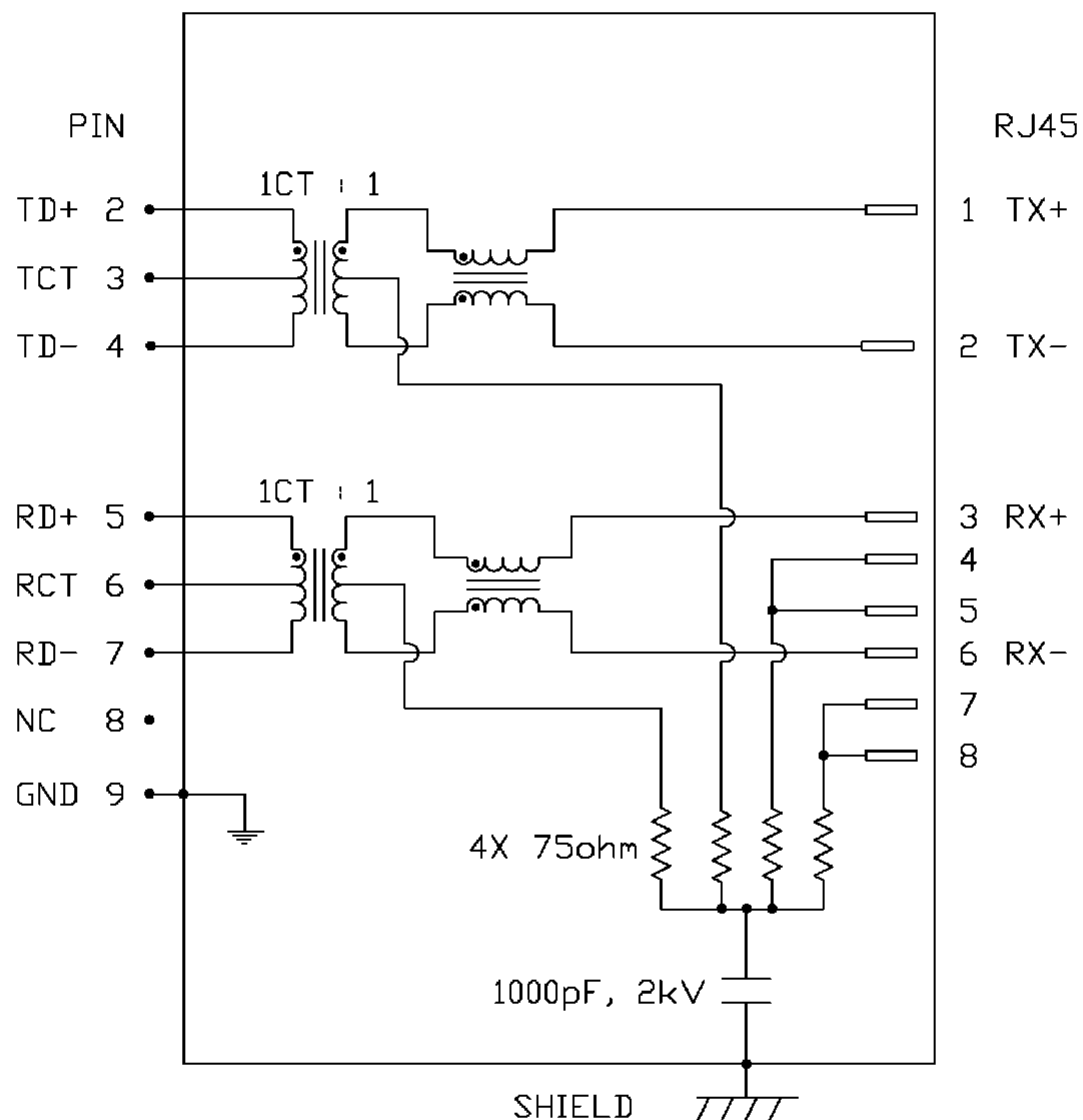
USB ELECTRICAL:

INSULATION RESISTANCE: 1000 MEGA (MIN)

CONTACT RESISTANCE: 25 MILLI Ω (MAX)

DIELECTRIC WITHSTANDING: 750 VAC

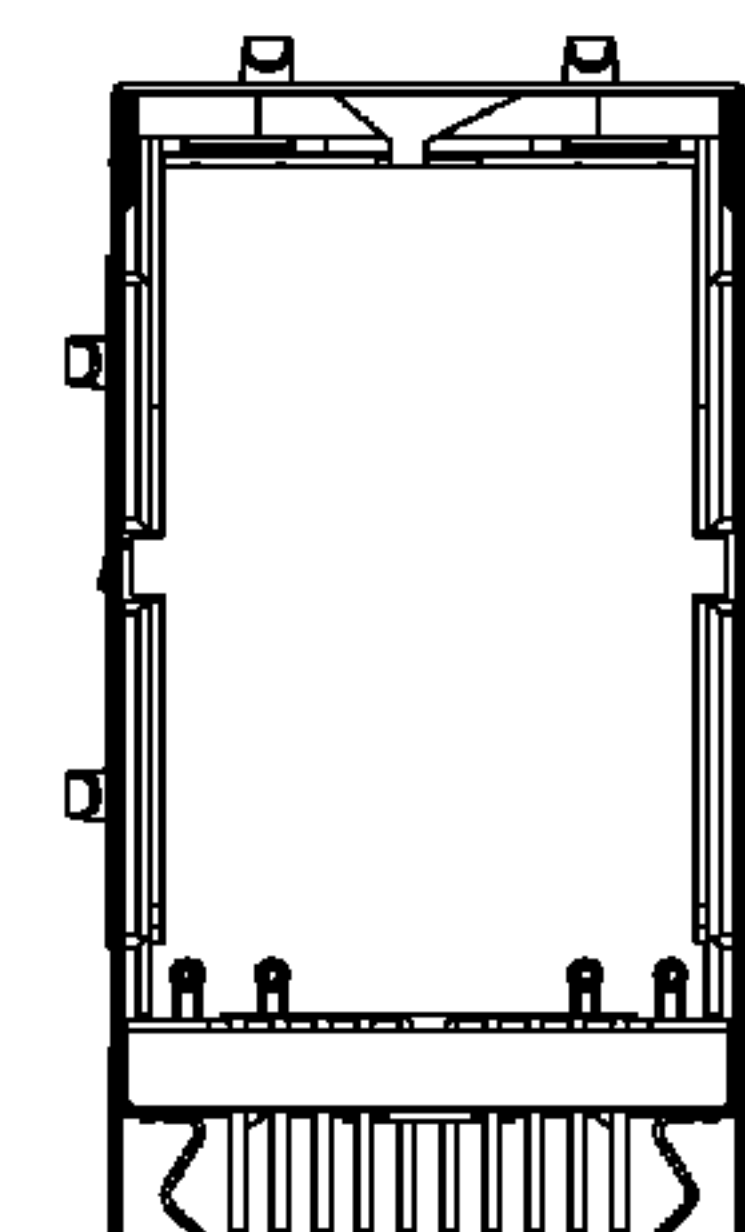
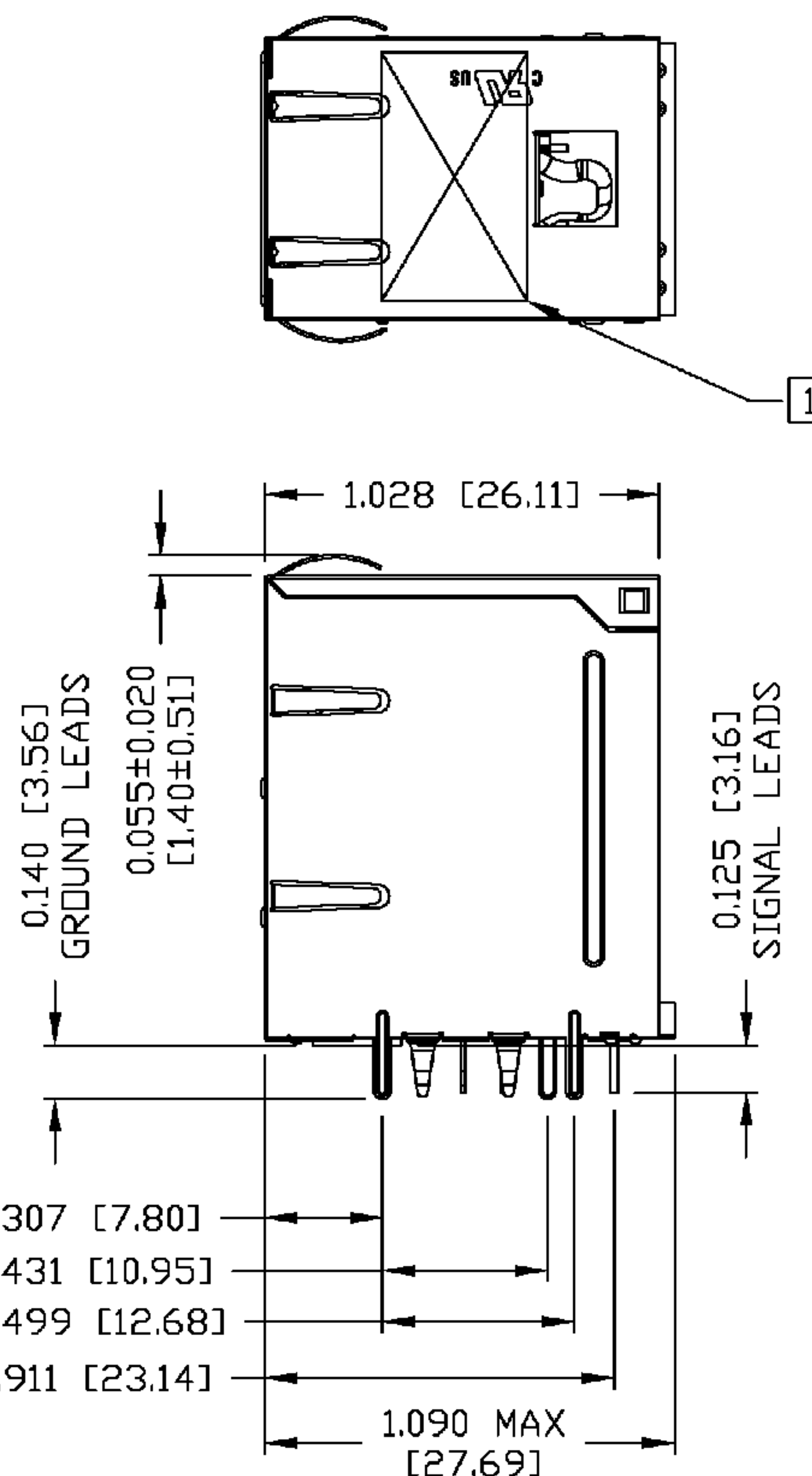
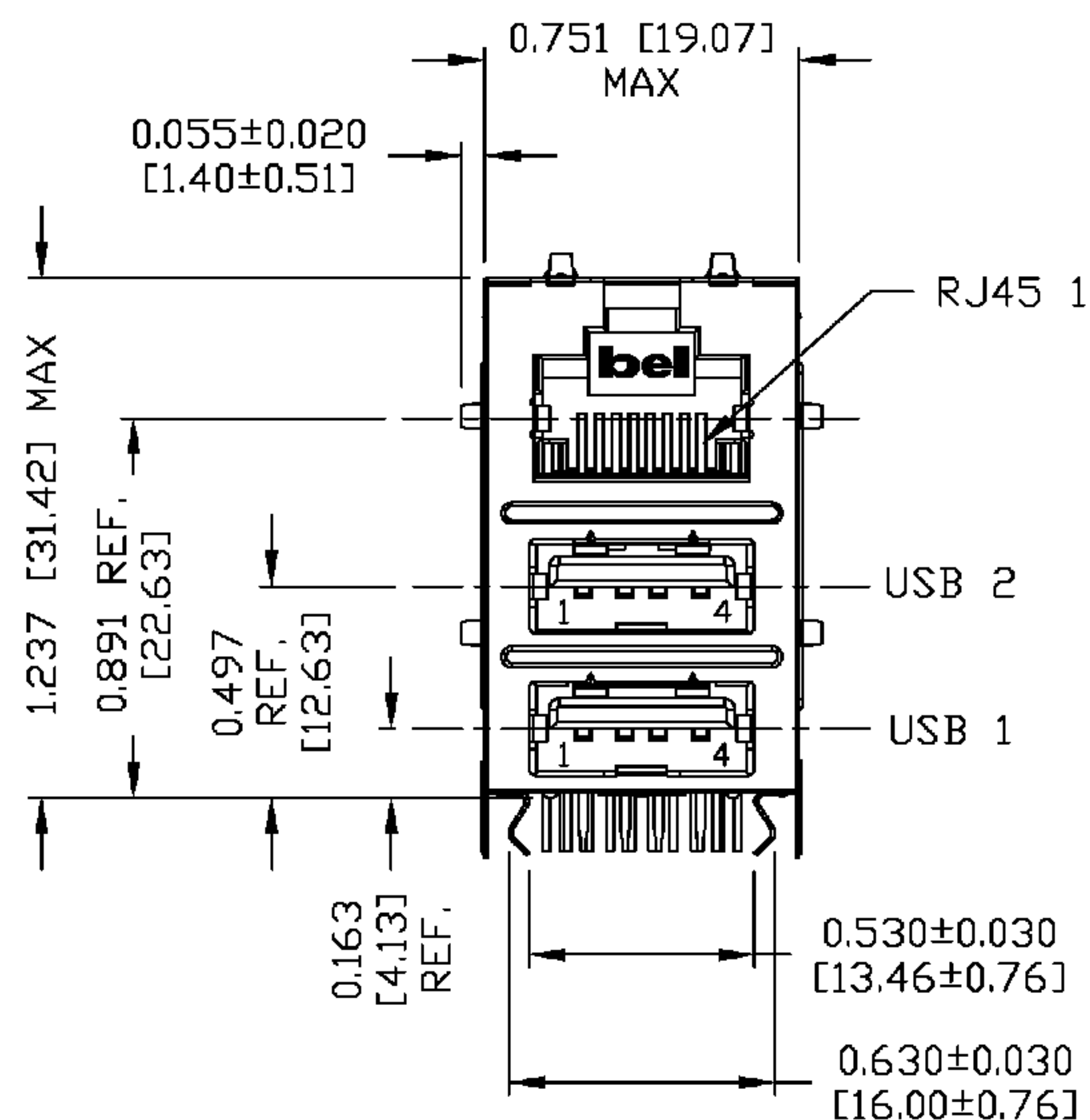
SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHUNG	04-12-06	MagJack® Combo (Staggered pin)	C894-1X1T-E5	TOL. IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
DE	04-12-06		C8941X1TE5B.DWG	.XX		PAGE : 2
				.XXX		

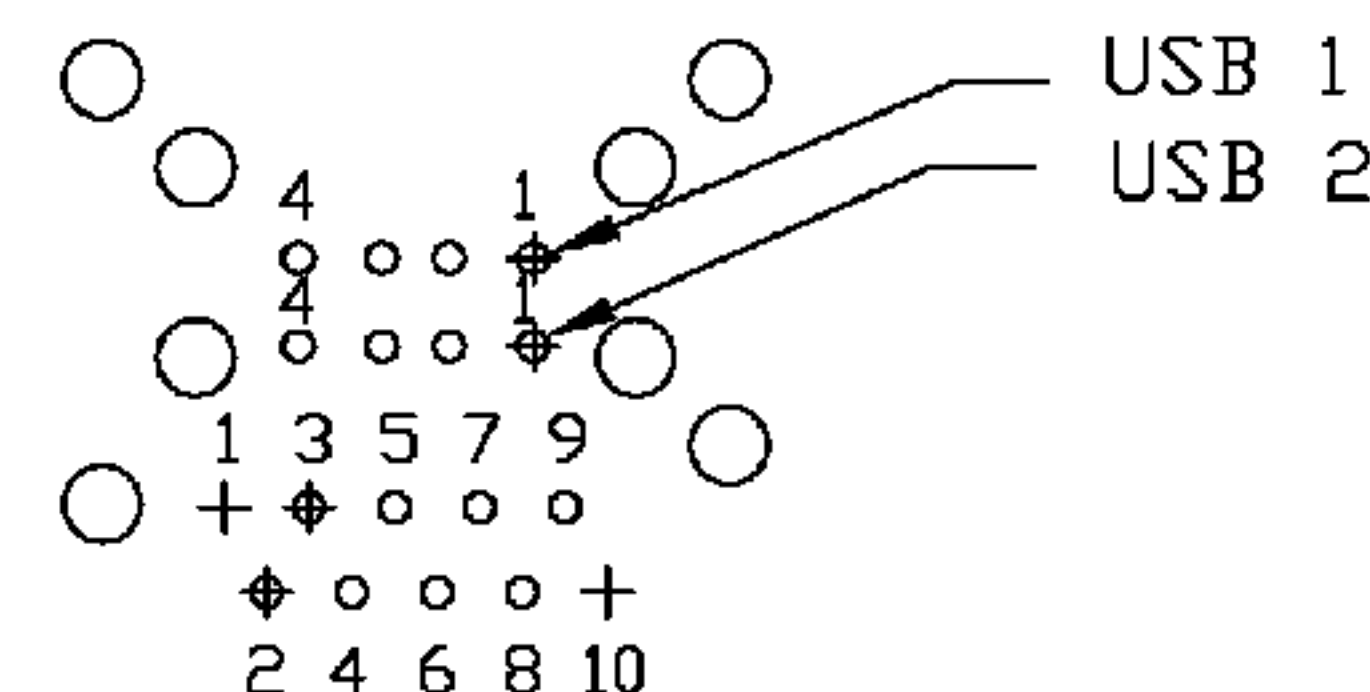
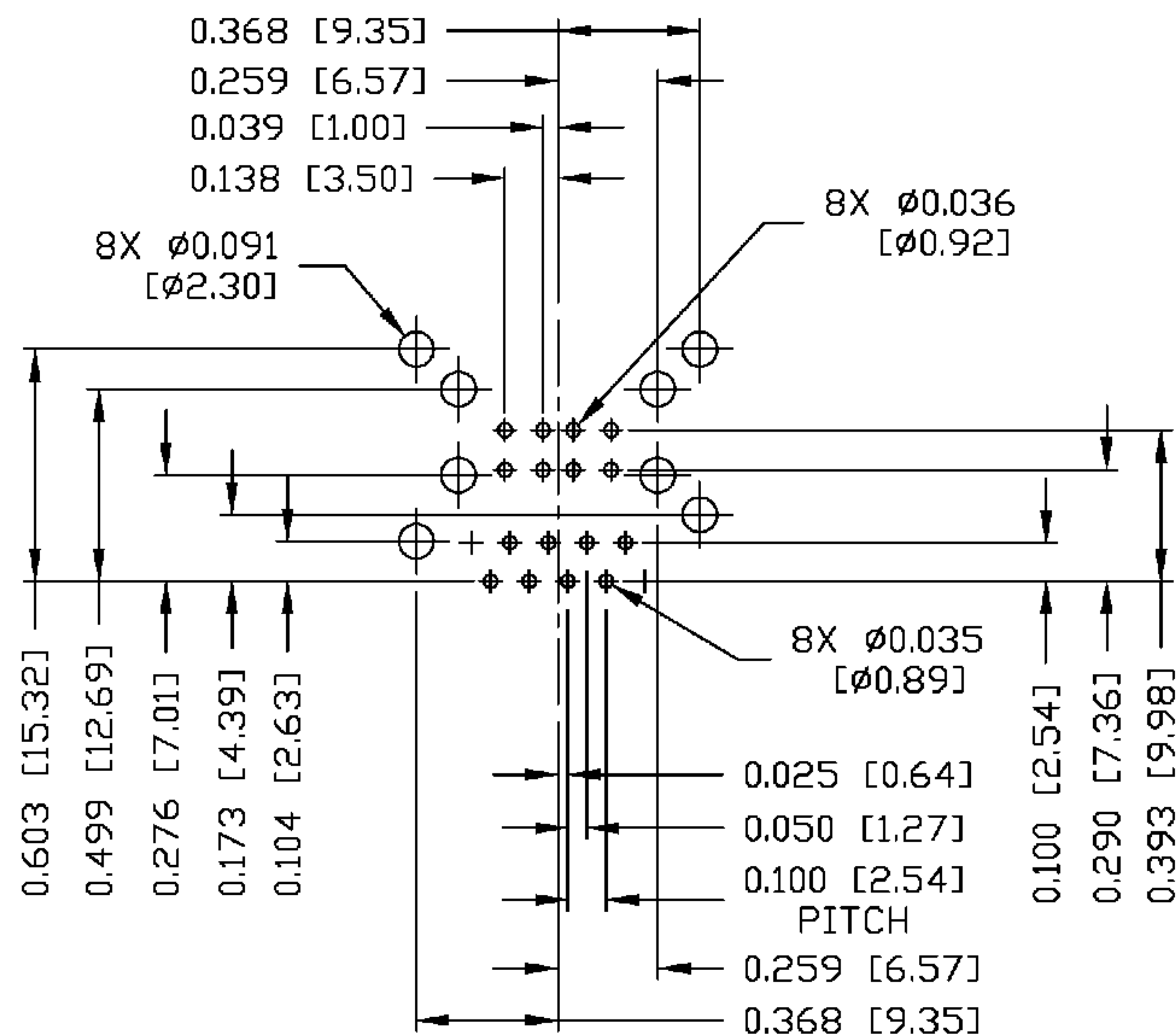


MECHANICAL SPECIFICATION



ORIGINATED BY QIN	DATE 04-12-06	TITLE MagJack® Combo (Staggered pin)	PART NO. / DRAWING NO. C894-1X1T-E5	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY TING	DATE 04-12-06		FILE NAME C8941X1TE5B.DWG	.X		UNIT : INCH [mm]	REV. : B	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.010	 	PAGE : 3	

Recommended PCB footprint
Component Side



RJ45 MECHANICAL:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED CP 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.

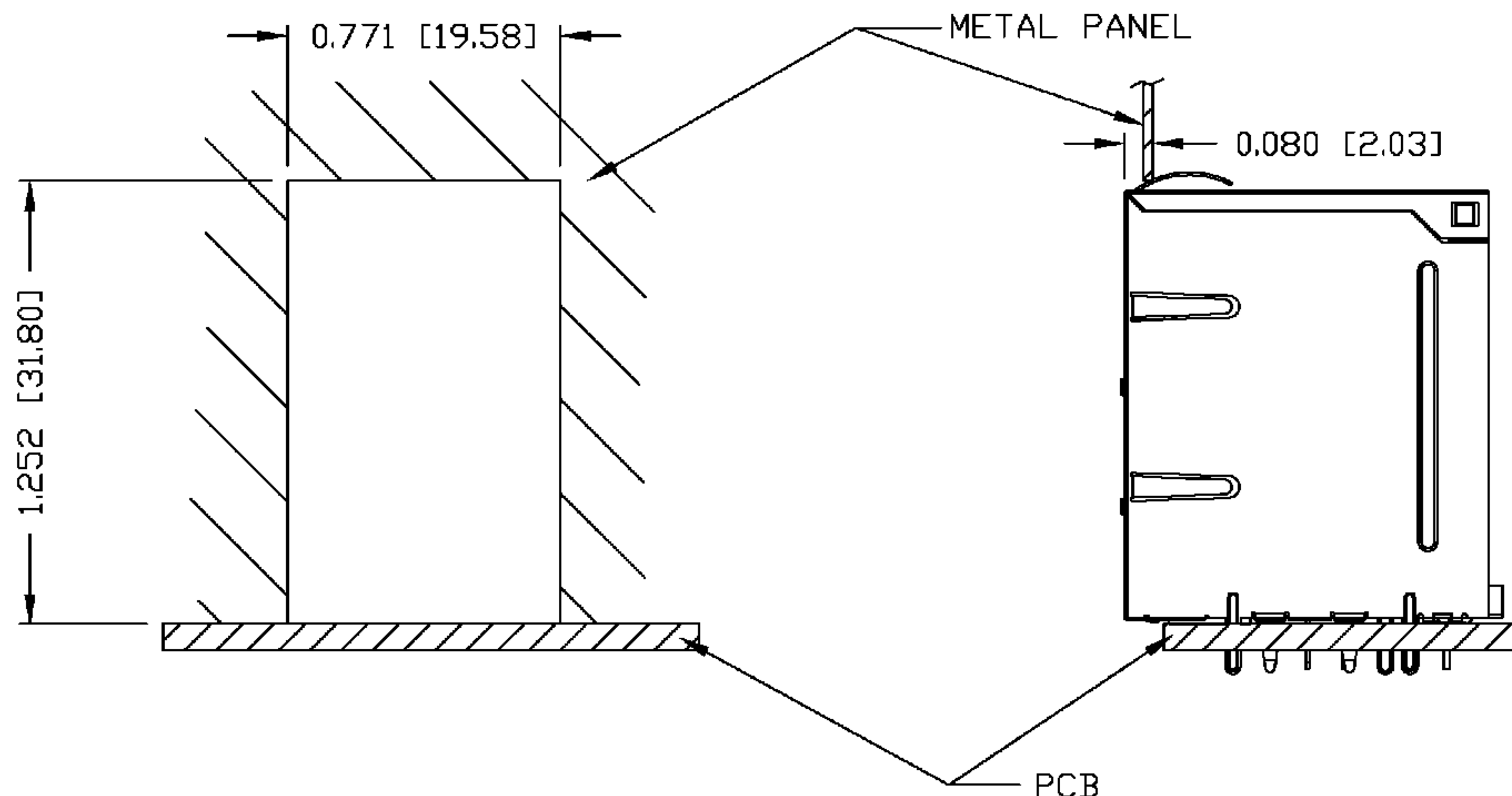
[1] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND
DATE CODE.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY QIN	DATE 04-12-06	TITLE MagJack® Combo (Staggered pin)	PART NO. / DRAWING NO. C894-1X1T-E5	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY TING	DATE 04-12-06		FILE NAME C8941X1TE5B.DWG	.X	UNIT : INCH [mm]	REV. : B
				.XX	SCALE : N/A	SIZE : A4
				.XXX	±0.004	PAGE : 4



SUGGESTED PANEL OPENING



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-H3 (TOP)
0200-9999-H4 (BOTTOM)

PACKING QUANTITY : 35 PCS FINISHED GOODS PER TRAY
9 TRAYS (315 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	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
QIN	04-12-06	MagJack® Combo (Staggered pin)	C894-1X1T-E5	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 5
TING	04-12-06		C8941X1TE5B.DWG	.XXX	±0.004		