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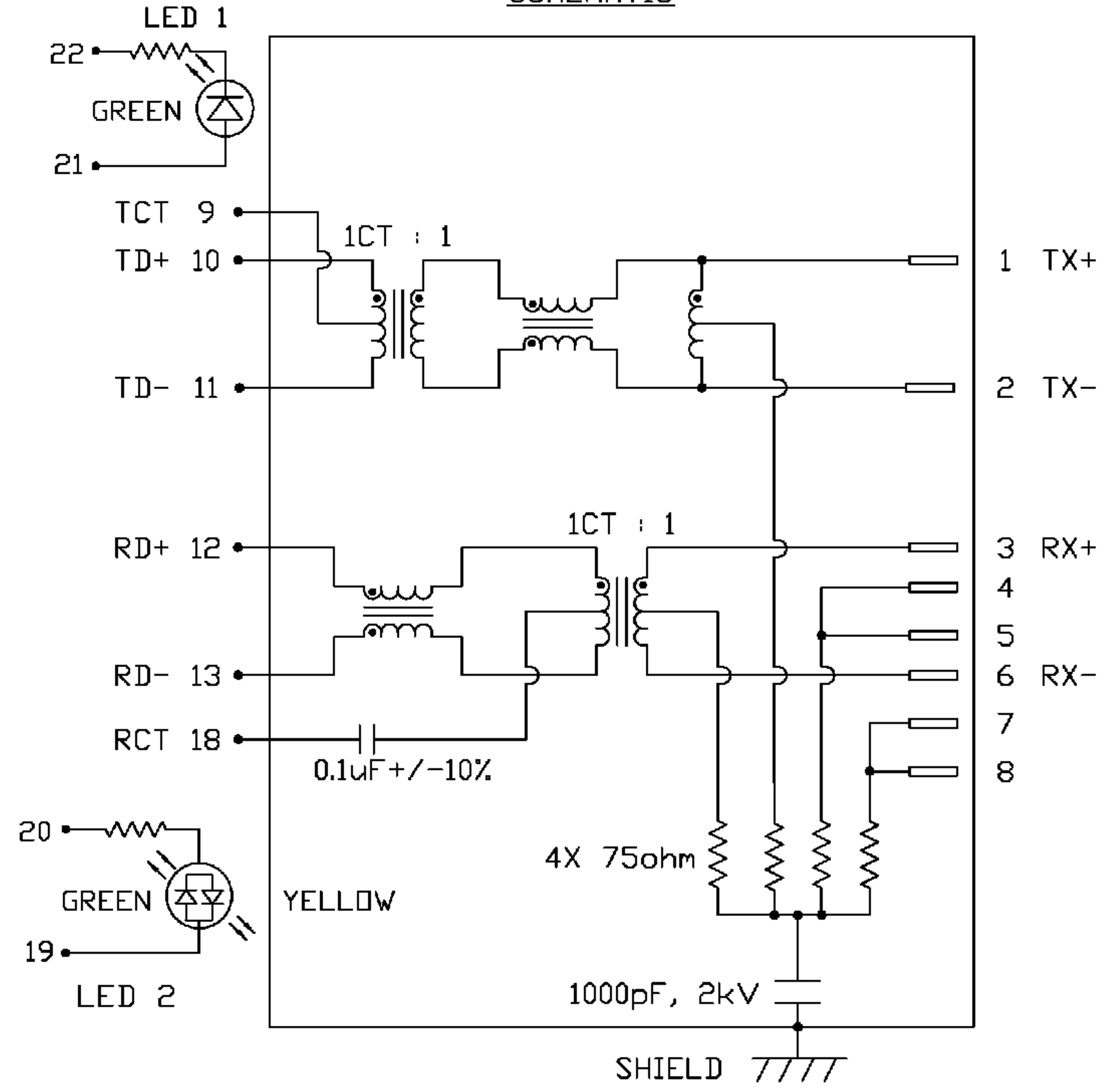


LED1 POLARITY			LED2 POLARITY		
PIN 21	PIN 22	COLOR	PIN 19	PIN 20	COLOR
+	-	GREEN	+	-	GREEN
			-	+	YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO
 TX 1CT : 1CT ±3%
 RX 1CT : 1CT ±3%
 OCL @ 100kHz,100mVRMS 350uH MIN
 8mA DC BIAS
 INS. LOSS 100KHz TO 100MHz -1.0 dB MAX
 RET. LOSS (MIN)
 1MHz-30MHz -20 dB
 30MHz-60MHz -[19-20LOG(F/30MHz)] dB
 60MHz-80MHz -12 dB
 CM TO CM REJ
 100kHz - 100MHz -30 dB MIN
 100MHz - 130MHz -20 dB MIN
 CM TO DM REJ
 100kHz - 100MHz -35 dB Min
 CROSS TALK
 1MHz - 65MHz -35 dB MIN
 65MHz - 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) 1.2 ohms Max
 LED 1
 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
 λ (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.
 LED 2
 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
 λ (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.
 YELLOW 2.1V TYP.
 λ (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.
 YELLOW 590nm TYP.
 USB ELECTRICAL:
 INSULATION RESISTANCE: 1000 MEGA Ω (MIN)
 CONTACT RESISTANCE: 25 MILLI Ω (MAX)
 DIELECTRIC WITHSTANDING: 750 VAC

SCHEMATIC

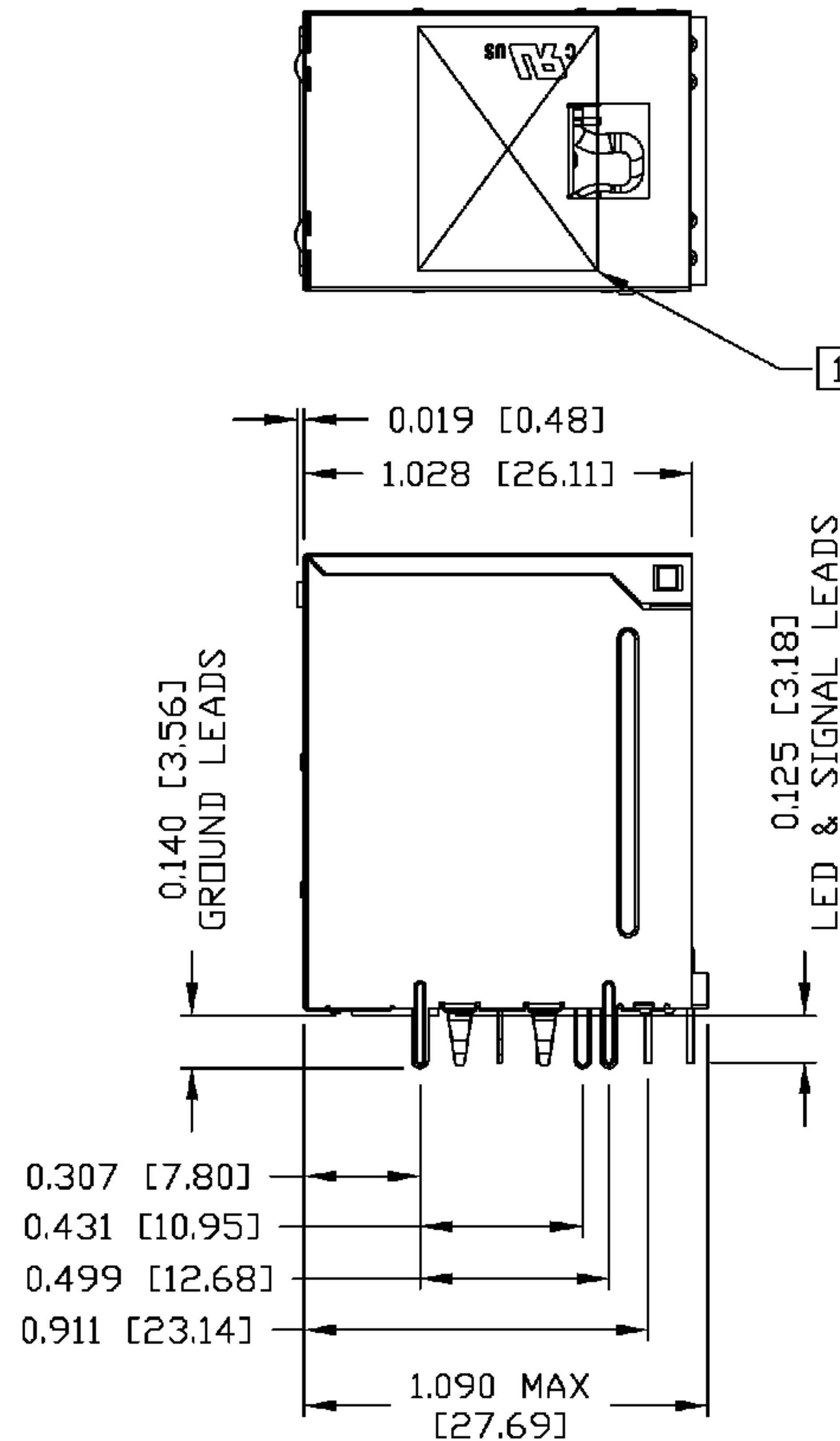
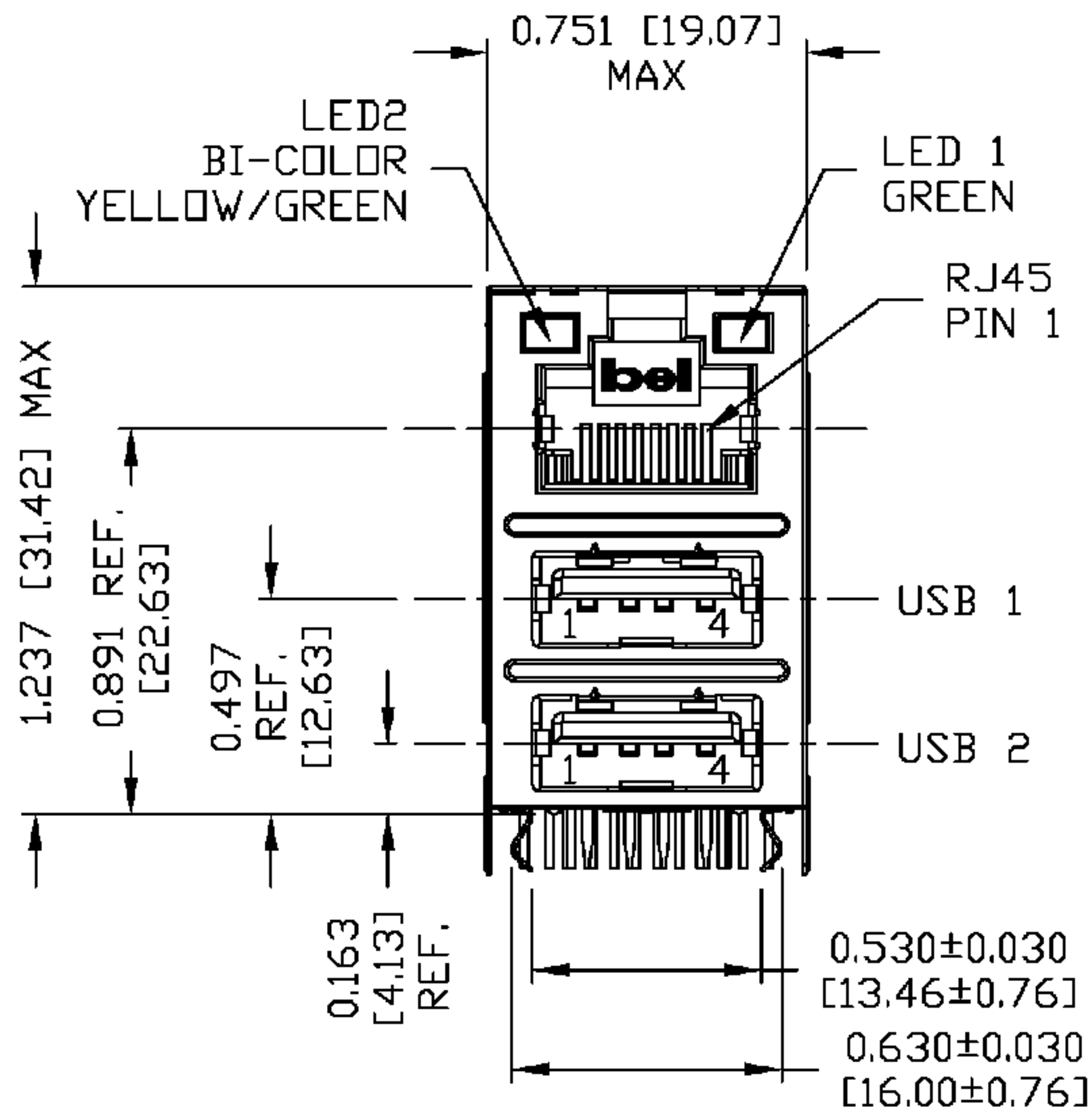


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHUNG	04-12-06	MagJack® Combo (Staggered pin)	C893-1KX1-E1	TOL. IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
DE	04-12-06		C8931KX1E1B.DWG	.XX		PAGE : 2
				.XXX		





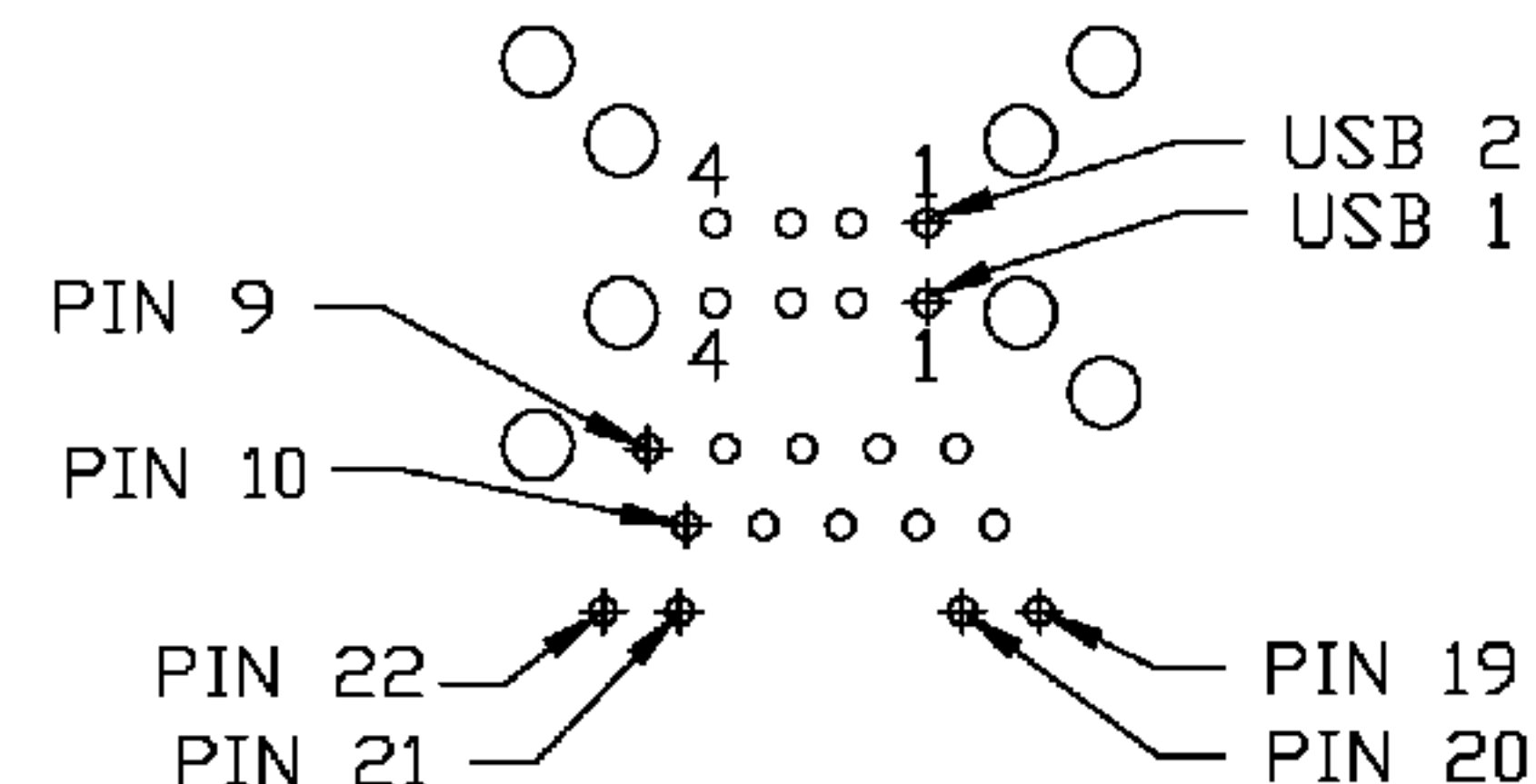
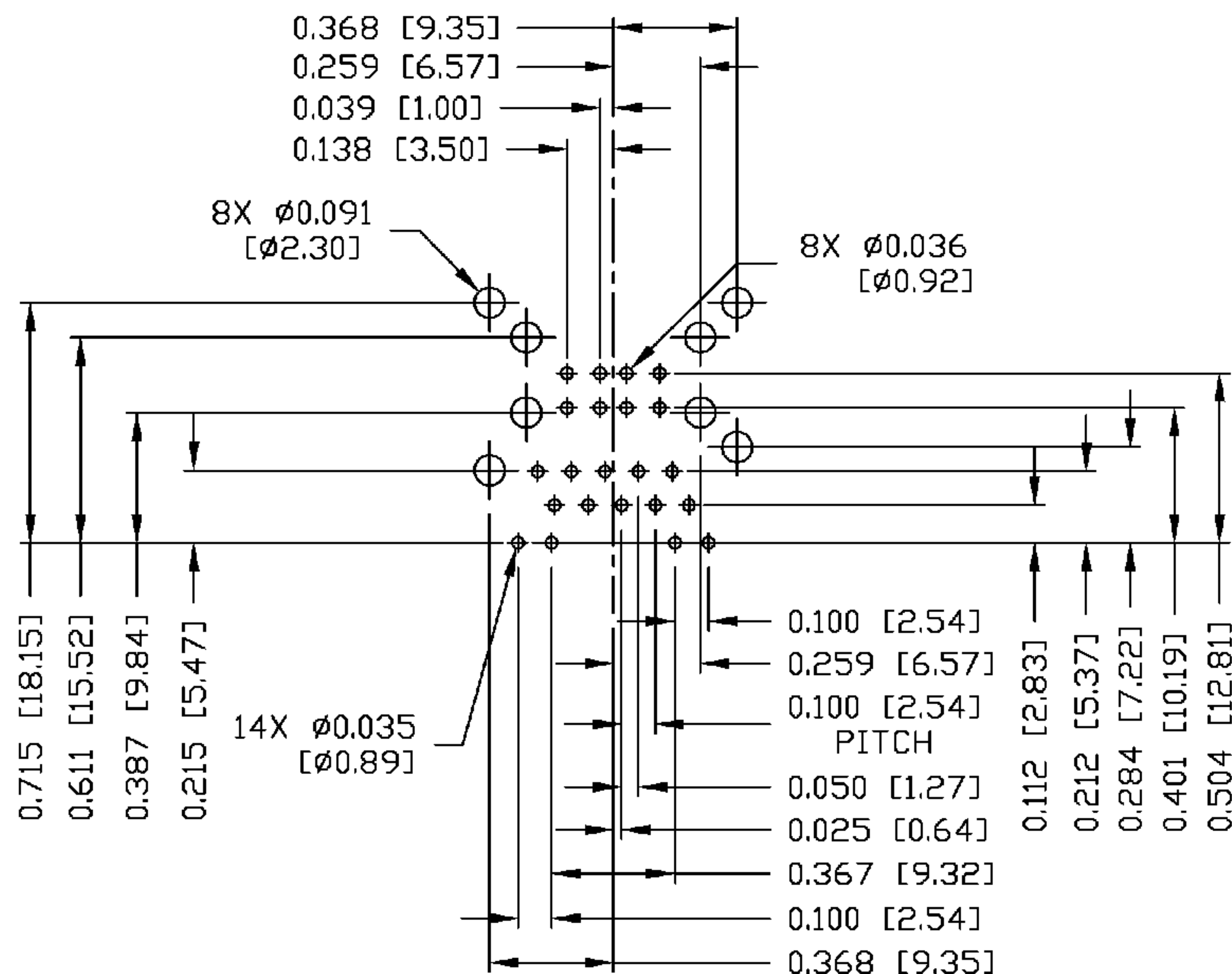
MECHANICAL SPECIFICATION



ORIGINATED BY QIN	DATE 04-12-06	TITLE MagJack® Combo (Staggered pin)	PART NO. / DRAWING NO. C893-1KX1-E1	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET™
DRAWN BY TING	DATE 04-12-06		FILE NAME C8931KX1E1B.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.

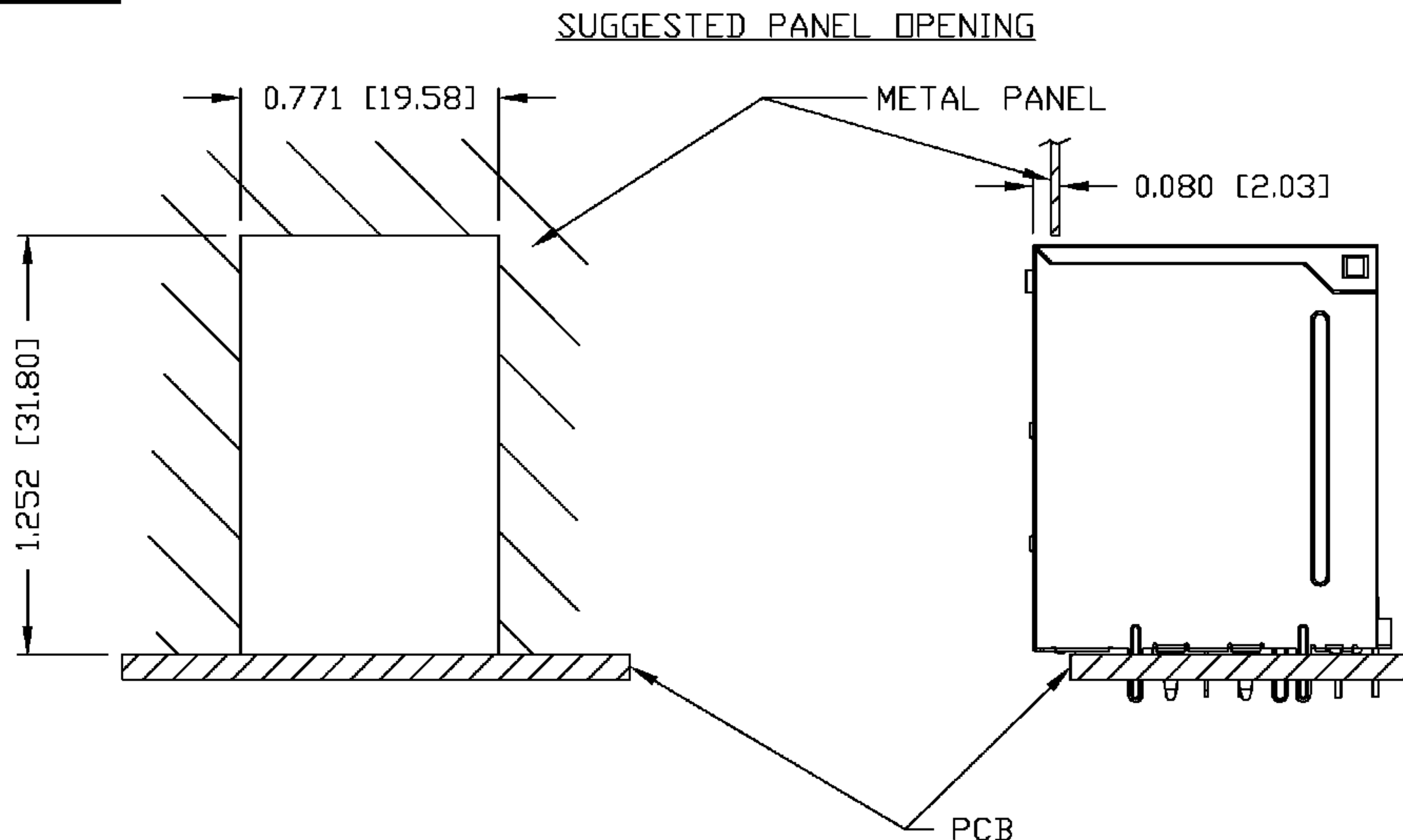


UL RECOGNIZED - FILE #E196366 AND E169987.

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. C893-1KX1-E1	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY TING	DATE 04-12-06		FILE NAME C8931KX1E1B.DWG	.X	UNIT : INCH [mm]	REV. : B
				.XX	SCALE : N/A	SIZE : A4
				.XXX	±0.004	PAGE : 4



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)	C893-1KX1-E1	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 5
TING	04-12-06		C8931KX1E1B.DWG	.XXX	±0.004		