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

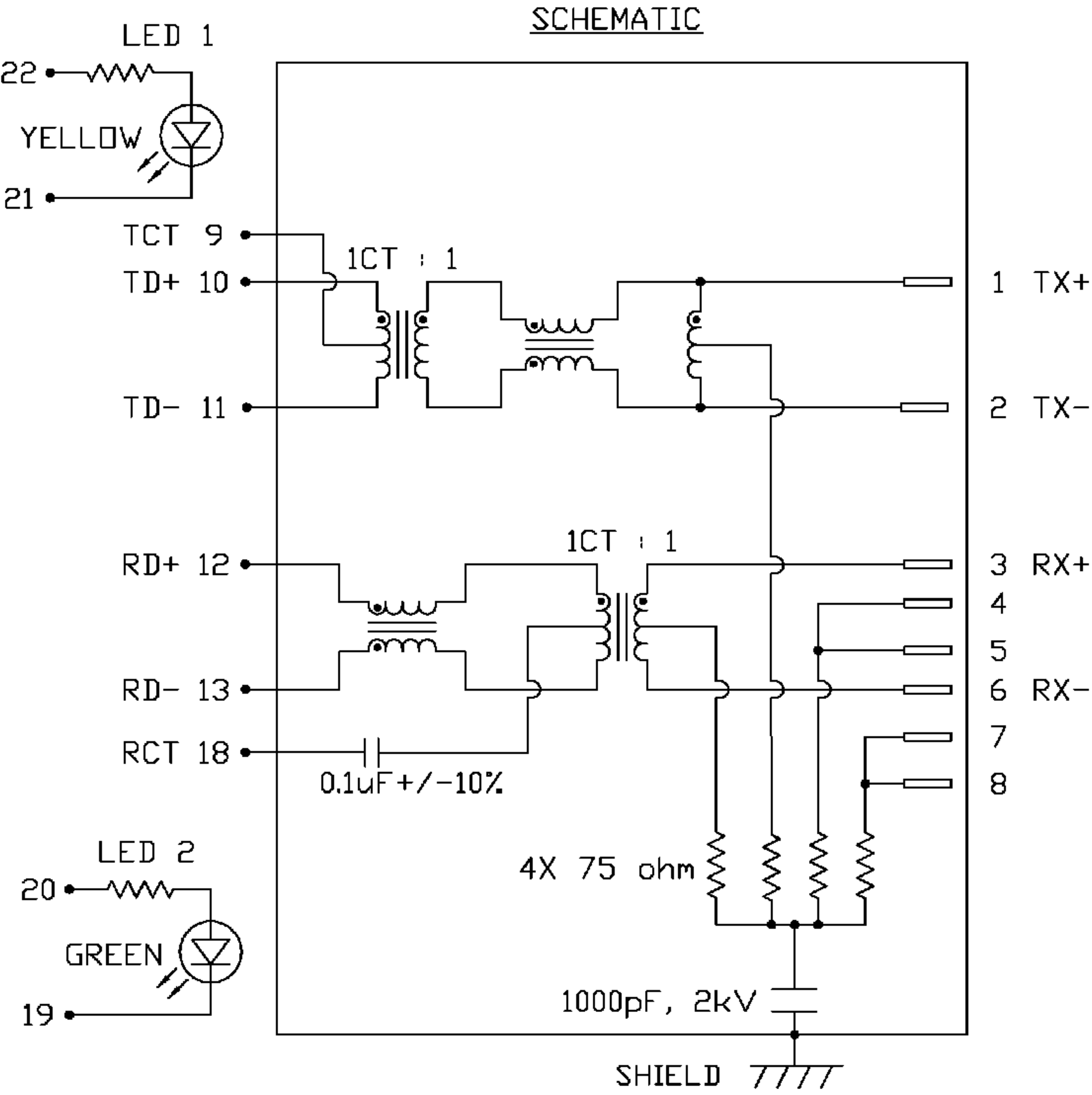
PRELIMINARY

RoHS
2002/95/EC



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	-1.0 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 YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA YELLOW 590nm TYP.
LED 2	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.
USB ELECTRICAL:	
INSULATION RESISTANCE:	1000 MEGA Ω (MIN)
CONTACT RESISTANCE:	25 MILLI Ω (MAX)
DIELECTRIC WITHSTANDING:	750 VAC



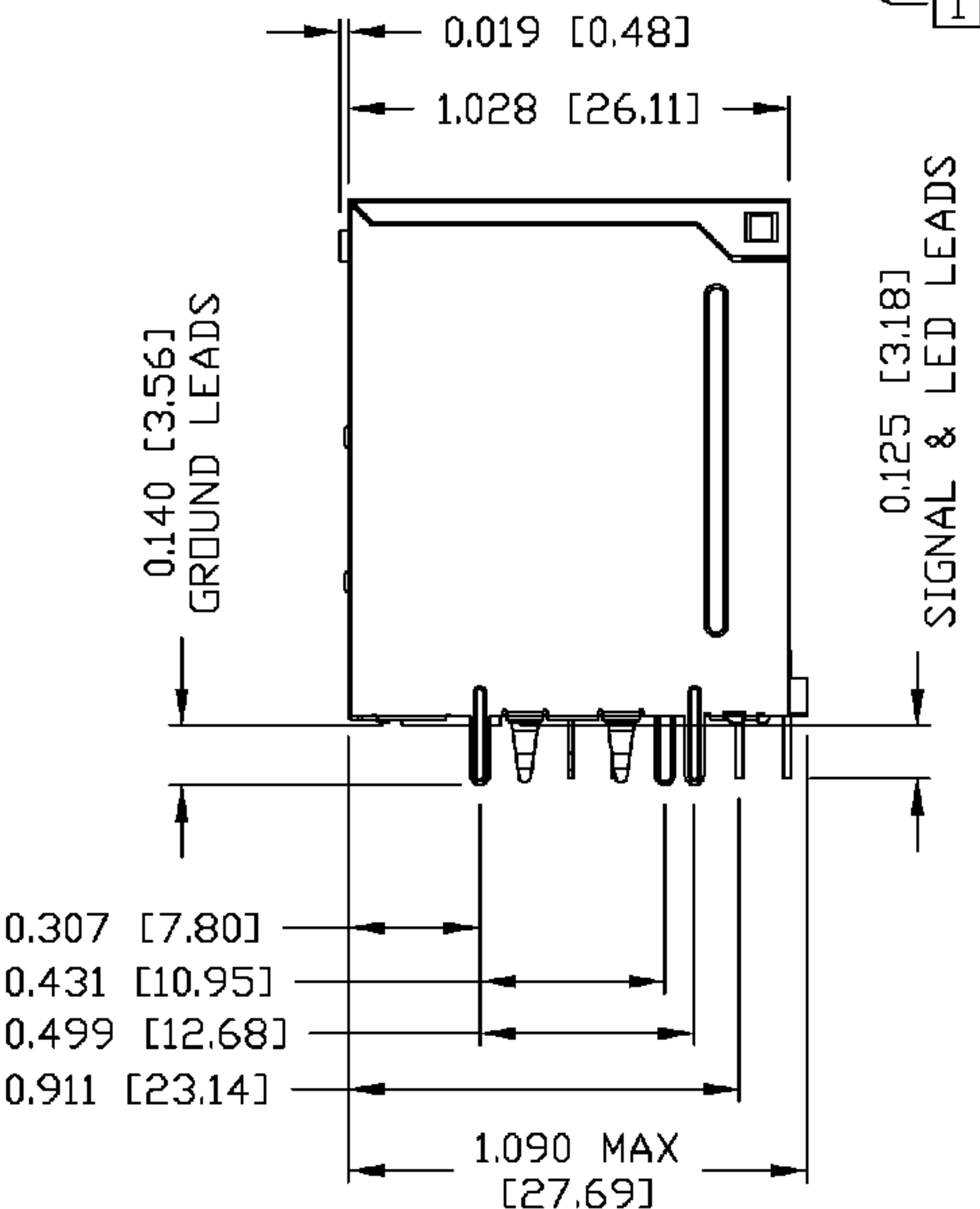
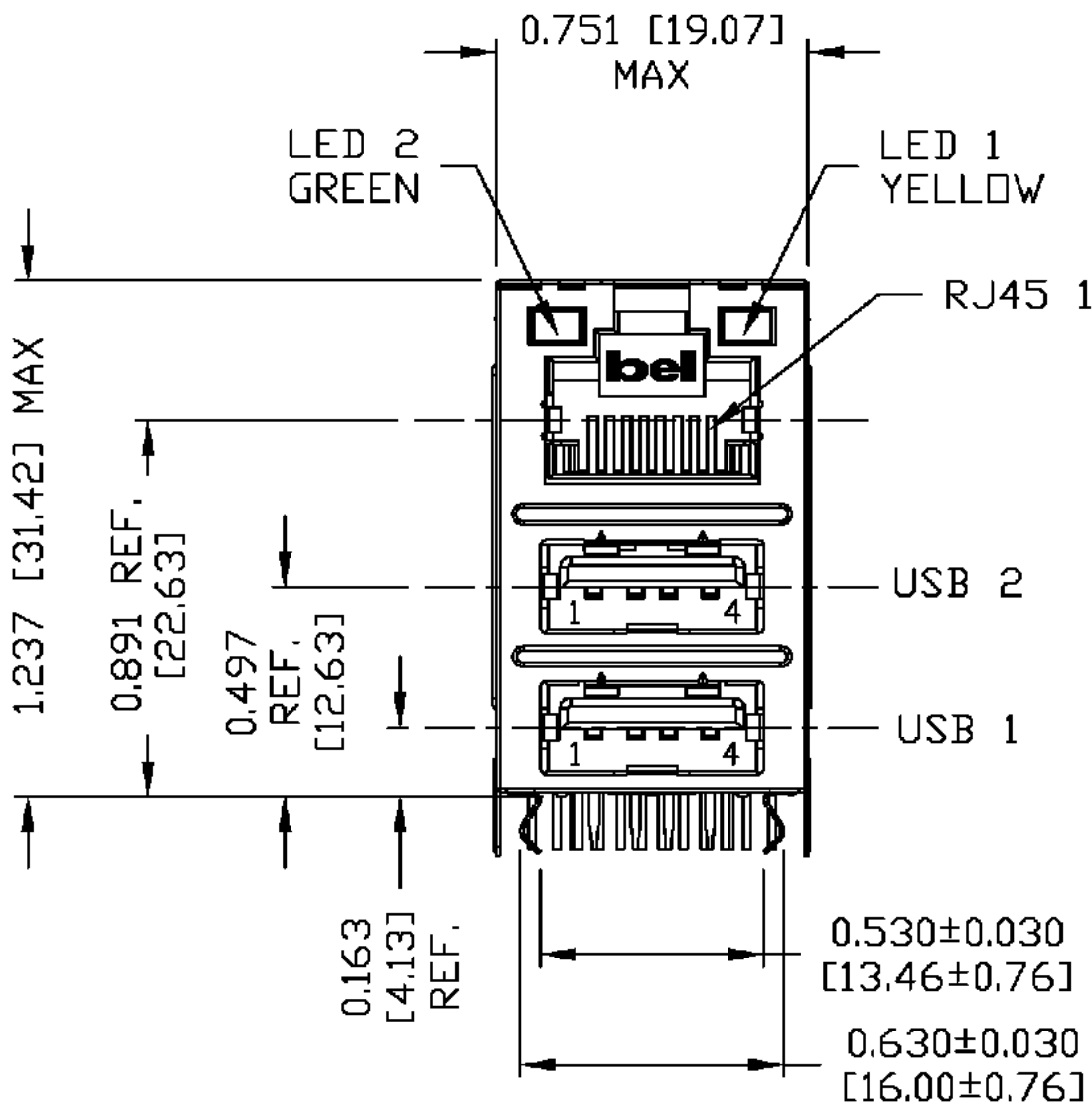
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHUNG	04-17-06	MagJack® Combo	C893-1AX1-E1	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE	(Staggered pin)	FILE NAME	.X	REV. : PE
DE	04-17-06		C8931AX1E1PE.DWG	.XX	SCALE : N/A
				.XXX	SIZE : A4
					PAGE : 2





PRELIMINARY

MECHANICAL SPECIFICATION



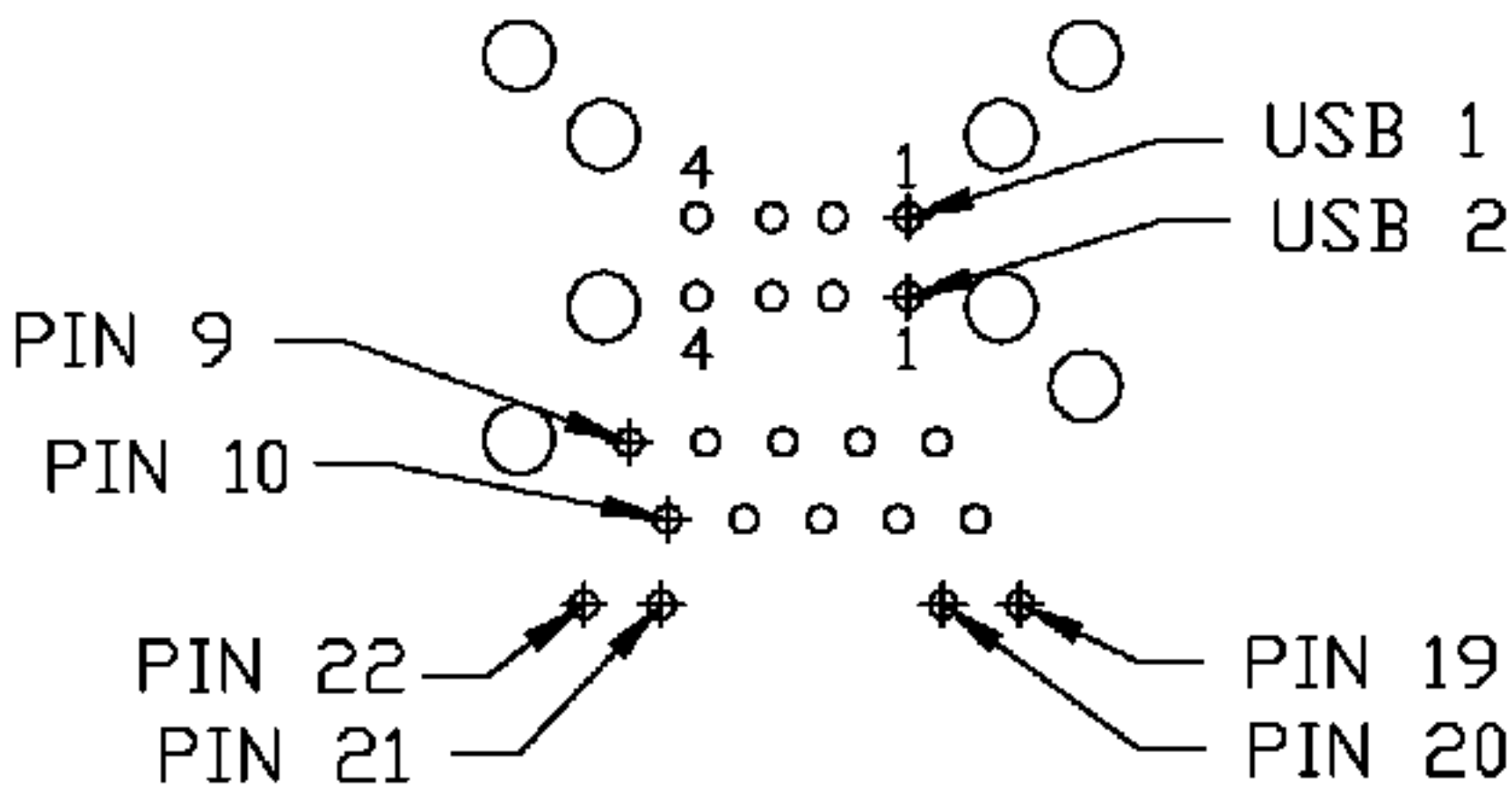
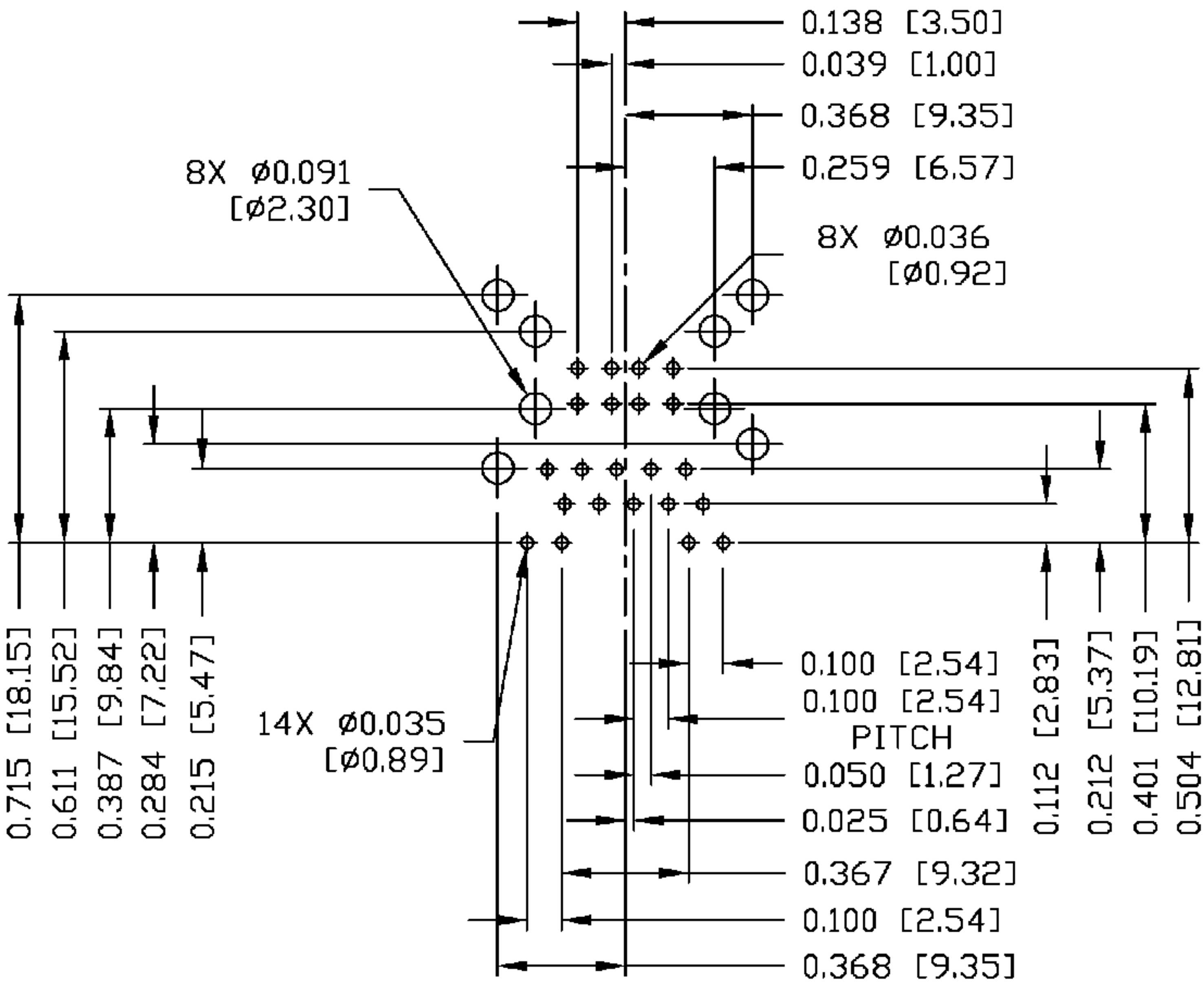
ORIGINATED BY QIN	DATE 04-17-06	TITLE MagJack® Combo (Staggered pin)	PART NO. / DRAWING NO. C893-1AX1-E1	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : PE
DRAWN BY TING	DATE 04-17-06		FILE NAME C8931AX1E1PE.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.010		PAGE : 3





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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.

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DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
TING	04-17-06		C8931AX1E1PE.DWG	.XX		PAGE : 4
				.XXX	±0.004	

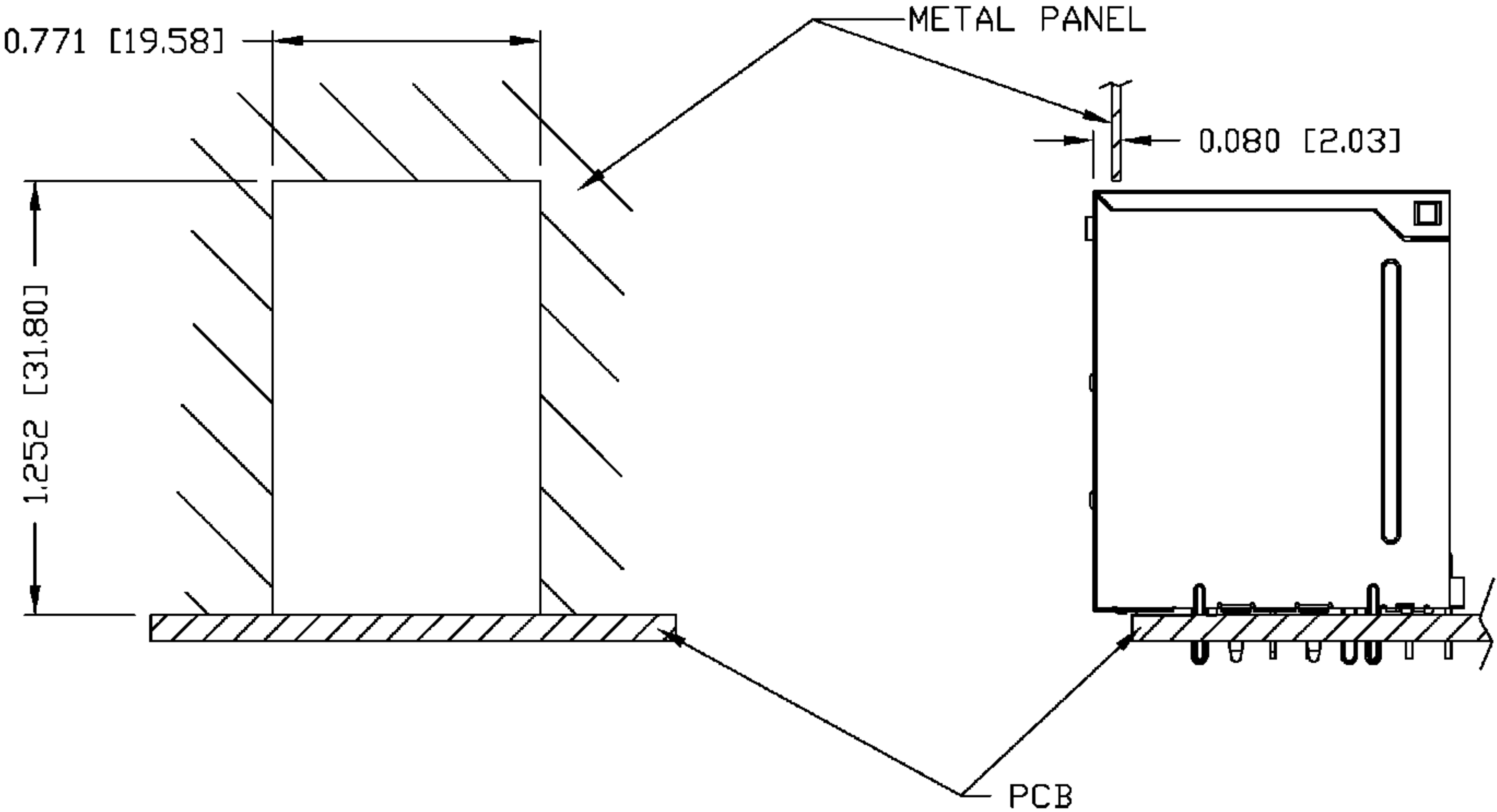
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SUGGESTED PANEL OPENING

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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-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. : PE
QIN	04-17-06	MagJack® Combo (Staggered pin)	C893-1AX1-E1	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 5
TING	04-17-06		C8931AX1E1PE.DWG	.XXX	±0.004		

