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

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1 ±3%
RX 1CT : 1 ±3%

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

DM TO CM REJ

100kHz-100MHz -35 dB MIN

HIPOT (Isolation Voltage)

1500 Vrms or 2250VDC

LED 1

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

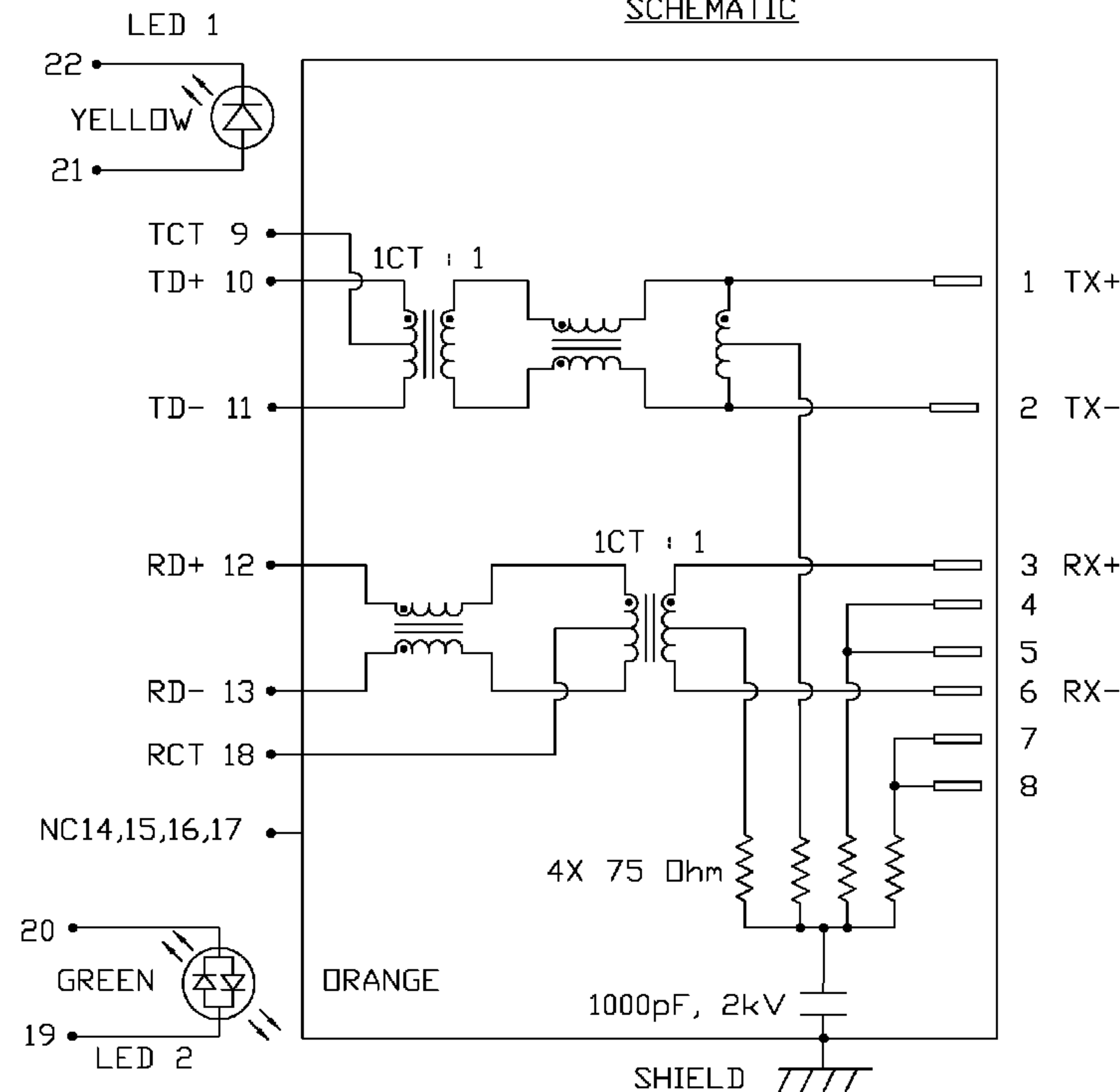
LED 2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
ORANGE 2.0V TYP.
λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.
ORANGE 610nm TYP.

USB ELECTRICAL:

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

SCHEMATIC



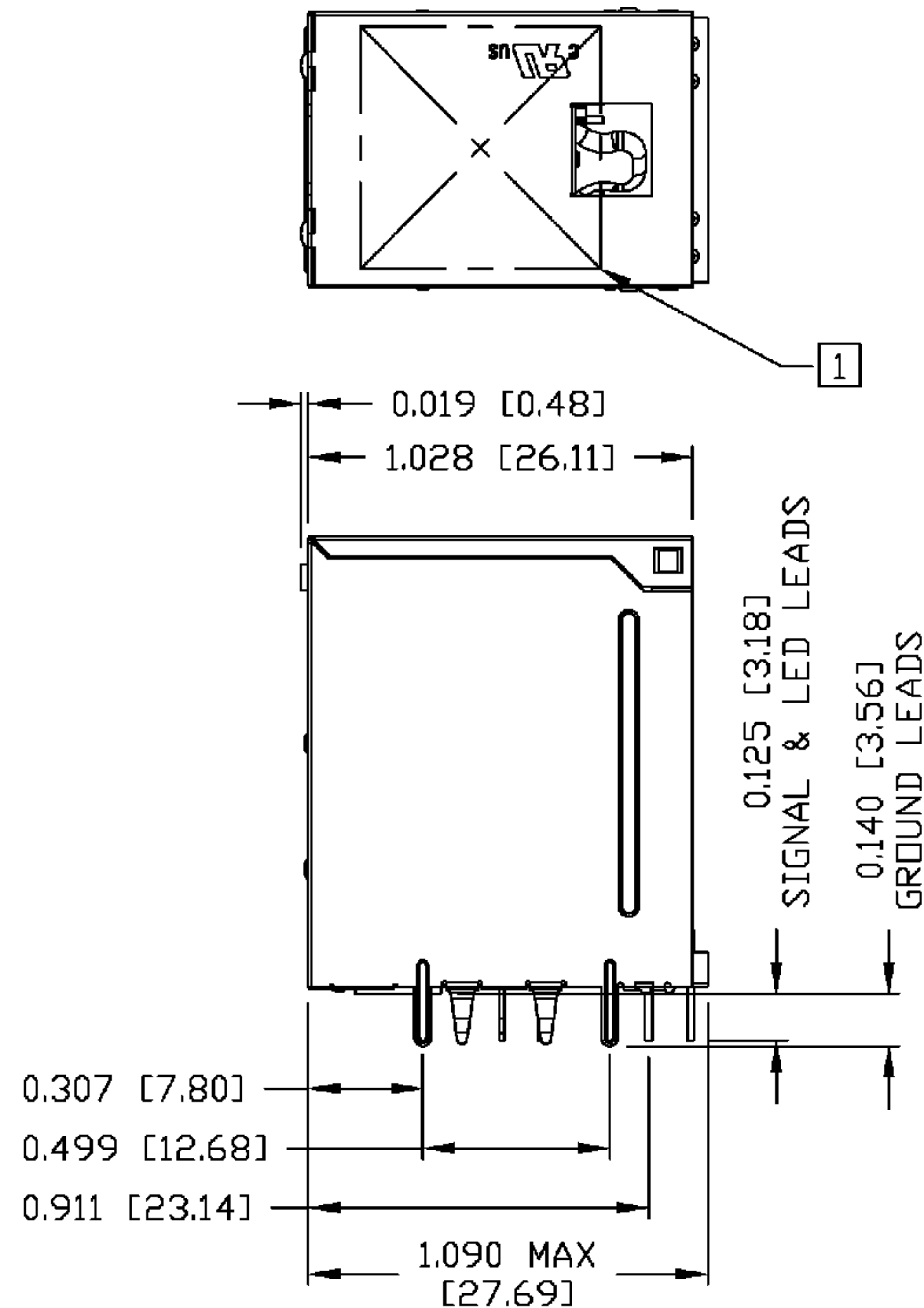
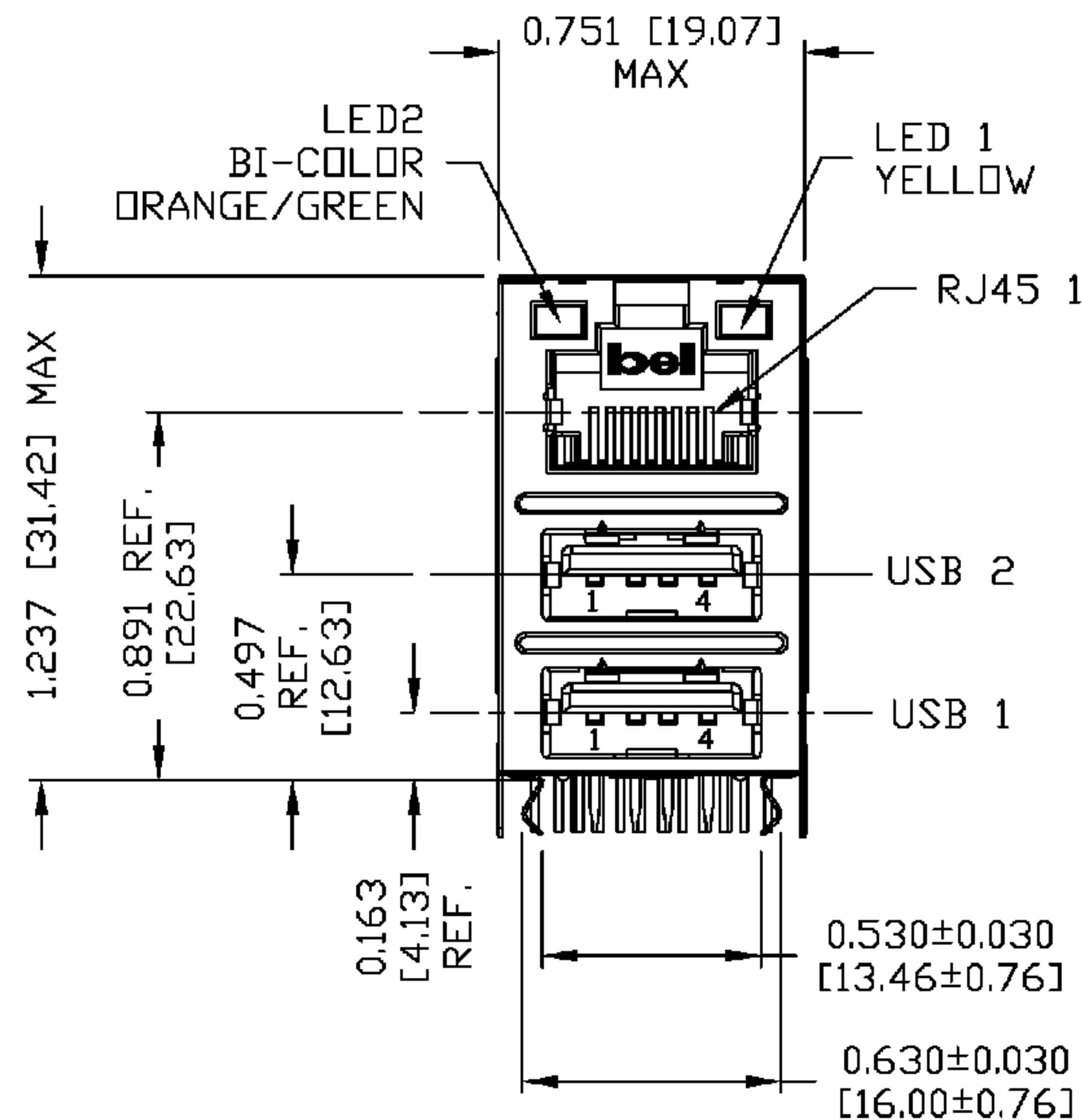
ORIGINATED BY CHUNG	DATE 04-18-06	TITLE MagJack® Combo (staggered pin) C892-1XX1-60-F	PART NO. / DRAWING NO. C8921XX160-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
DRAWN BY DE	DATE 04-18-06		FILE NAME C8921XX160-FPC.DWG	.X		UNIT : INCH [mm]	REV. : PC
				.XX		SCALE : N/A	SIZE : A4
				.XXX			PAGE : 2
							 COMPONENTS FOR A CONNECTED PLANET



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MECHANICAL SPECIFICATION

PRELIMINARY

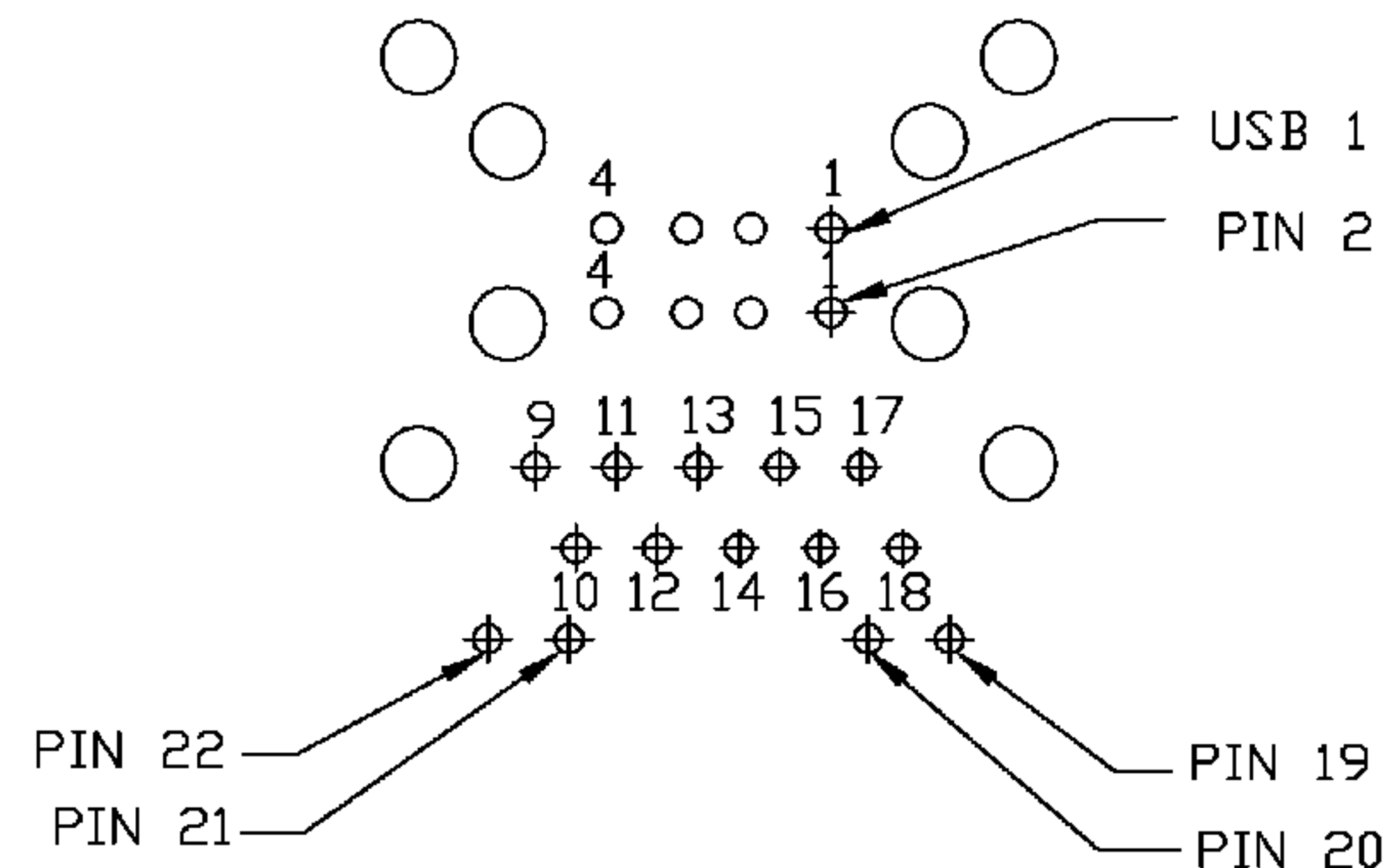
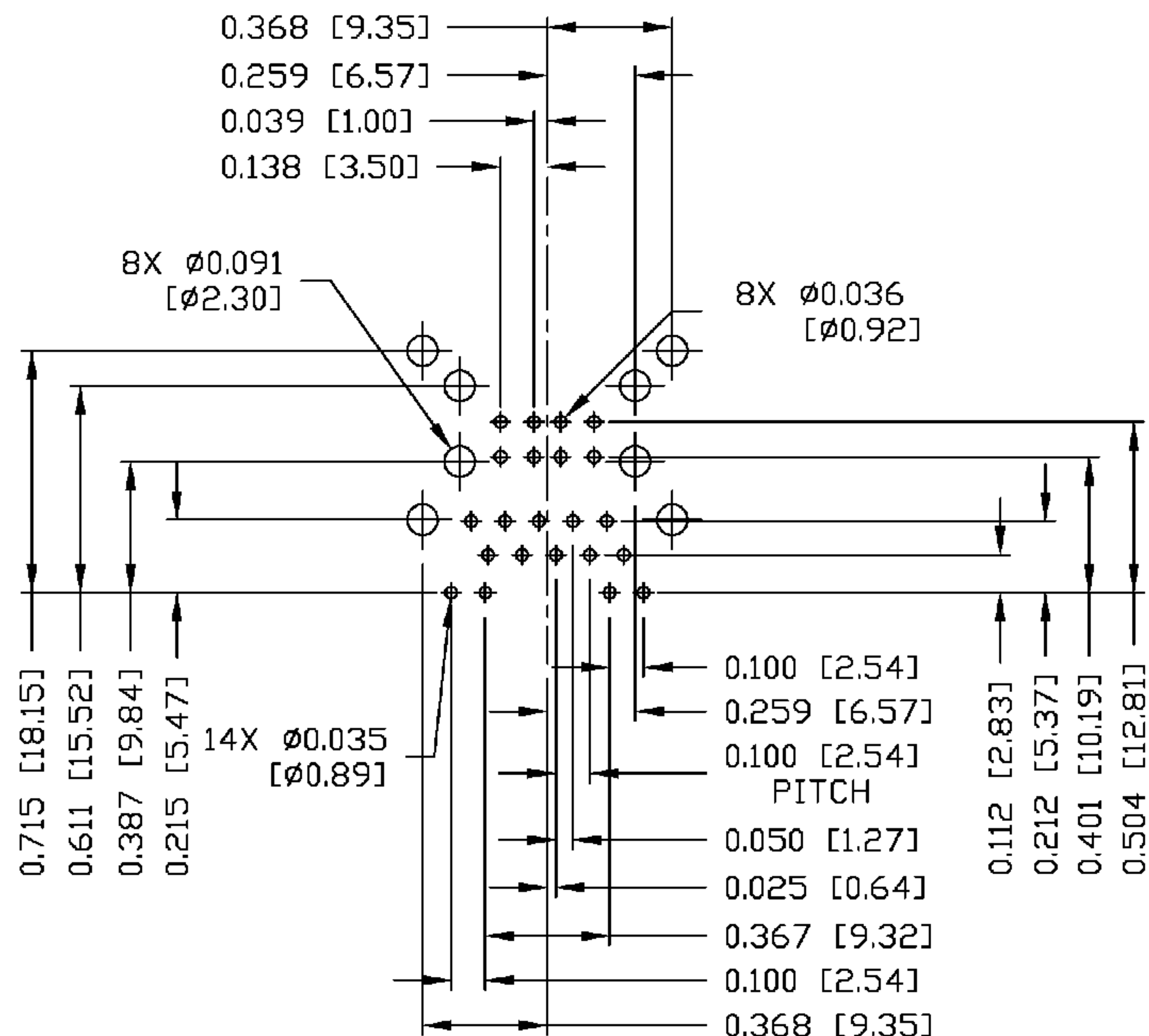


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DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
TING	04-18-06		C8921XX160-FPC.DWG	.XX				
			.XXX	±0.010			PAGE : 3	

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Recommended PCB footprint Component Side

PRELIMINARY



RJ45 MECHANICAL:

SCALE 1.5:1

PLASTIC HOUSING:

THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 30 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 UL RECOGNIZED - FILE #E196366 AND E169987.

RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC

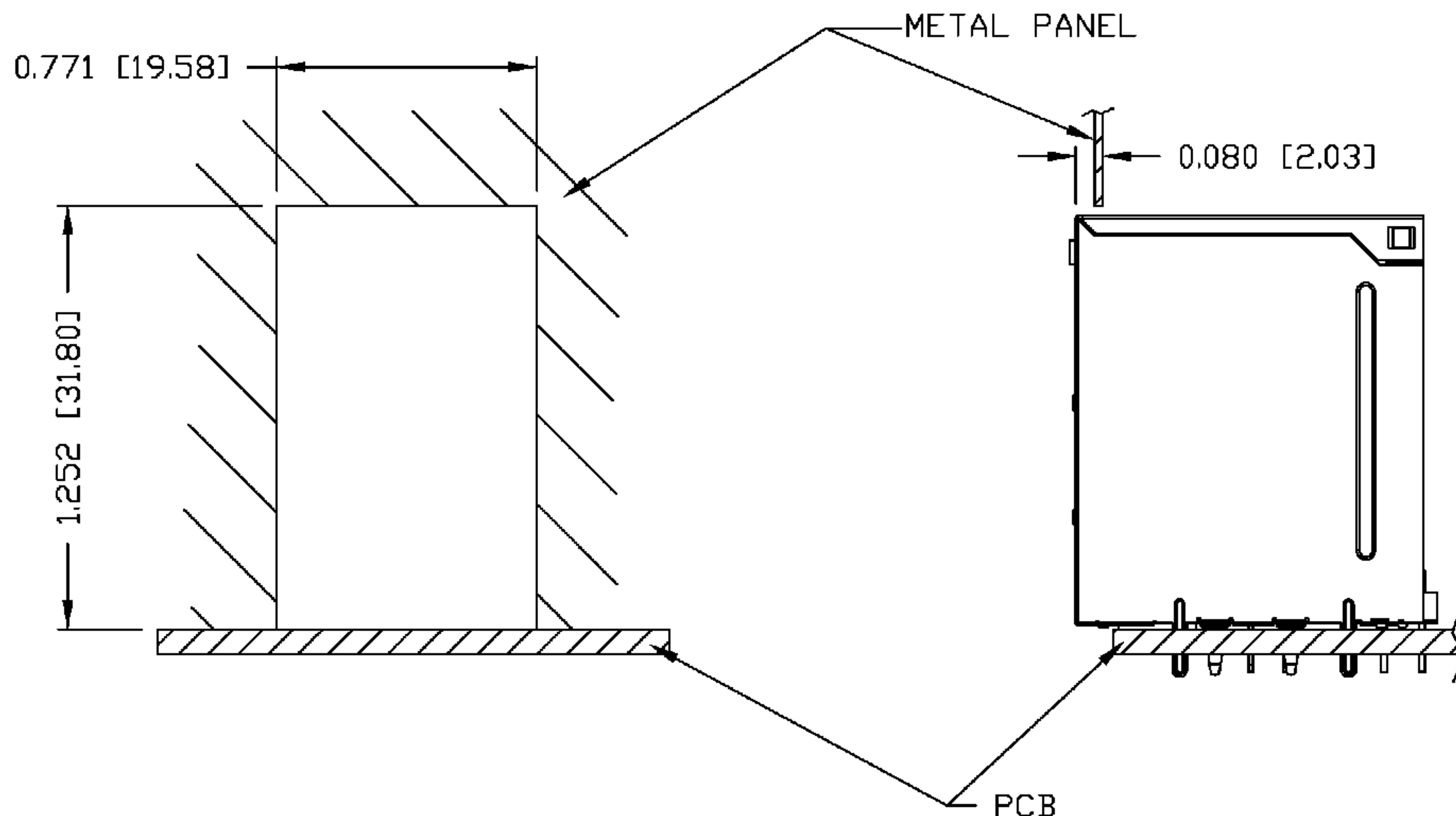
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

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TING	04-18-06		C8921XX160-FPC.DWG	.XX		PAGE : 4
				.XXX	±0.004	



SUGGESTED PANEL OPENING

PRELIMINARY



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)

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				TOL. IN INCH		UNIT : INCH [mm]	REV. : PC	
QIN	04-18-06	MagJack® Combo (staggered pin) C892-1XX1-60-F	C8921XX160-F	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE			.XX			PAGE : 5	
TING	04-18-06			.XXX	±0.004			