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

PRELIMINARY

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

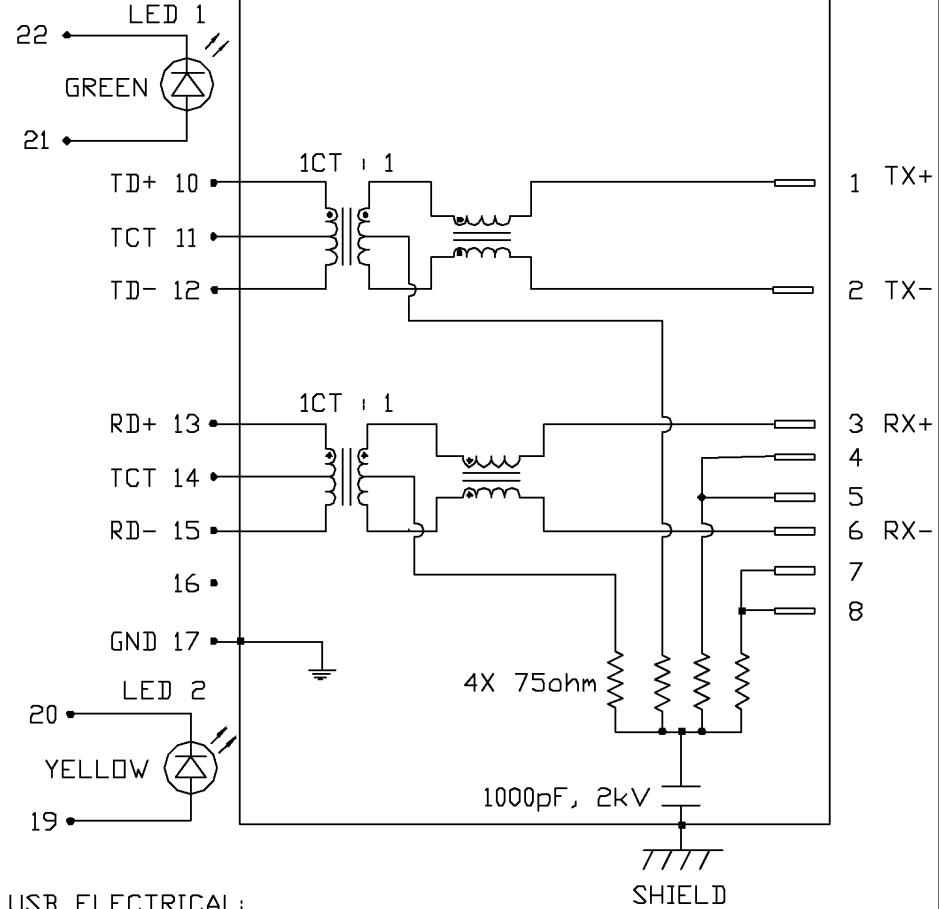
TX	1CT : 1CT ±3%
RX	1CT : 1CT ±3%
DCL @ 100kHz,100mVRMS	350µH MIN
8mA DC BIAS	
INS. LOSS	-1.1 dB MAX
100kHz TO 100MHz	
RET. LOSS	-18 dB MIN
1MHz-30MHz	
30MHz-80MHz	-12 dB MIN
CM TO CM REJ	
100kHz - 100MHz	-30 dB Min
CROSS TALK	
1MHz - 100MHz	-30 dB Min
HIPOT (Isolation Voltage):	1500 Vrms
LEAKAGE INDUCTANCE	
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

LED 1

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

LED 2

V _F (FORWARD VOLTAGE)	IF=20mA YELLOW 2.1V TYP,
λ _D (DOMINANT WAVELENGTH)	IF=20mA YELLOW 590nm TYP,



USB ELECTRICAL:

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

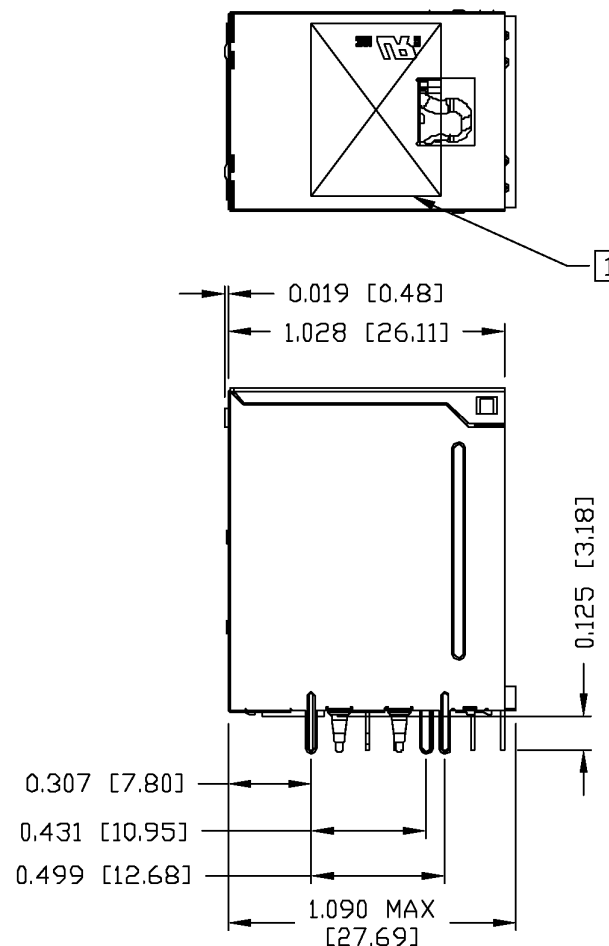
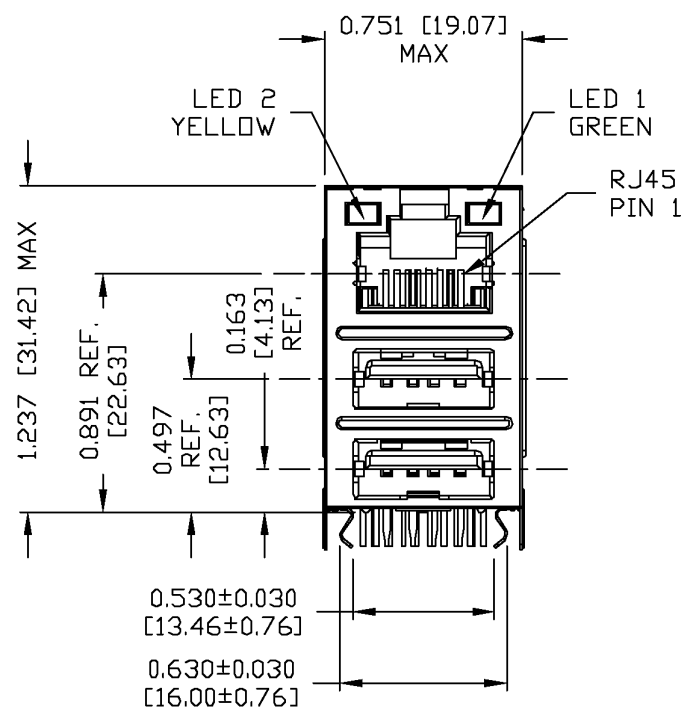
				STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET™	
DRWN	DATE	TITLE MagJack™ Combo (Staggered pin)	PART NO. / DRAWING NO.		TOL. IN INCH		UNIT : INCH [mm]		REV. : PA
DE	01-06-05		C893-1DX1-E5		.X		SCALE : N/A		SIZE : A4
CHKD	DATE		FILE NAME		.XX				PAGE : 2
CHUNG	01-06-05		C8931DX1E5PA.DWG		.XXX				

FORM NO. - ENG02082001

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PRELIMINARY

MECHANICAL SPECIFICATION



DRWN	DATE
QIAN	01-06-05
CHKD	DATE
TAD/KEUNG	01-06-05

TITLE
MagJack™ Combo (Staggered pin)

PART NO. / DRAWING NO.
C893-1DX1-E5
FILE NAME
C8931DX1E5PA.DWG

STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
.X	UNIT : INCH [mm]	REV. : PA
.XX	SCALE : N/A	SIZE : A4
.XXX	±0.010	PAGE : 3

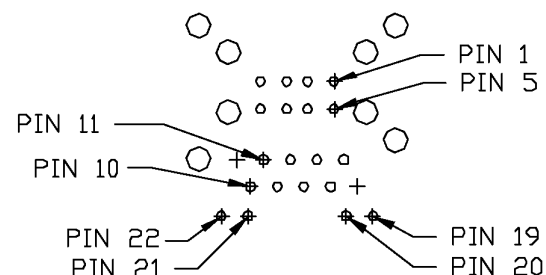
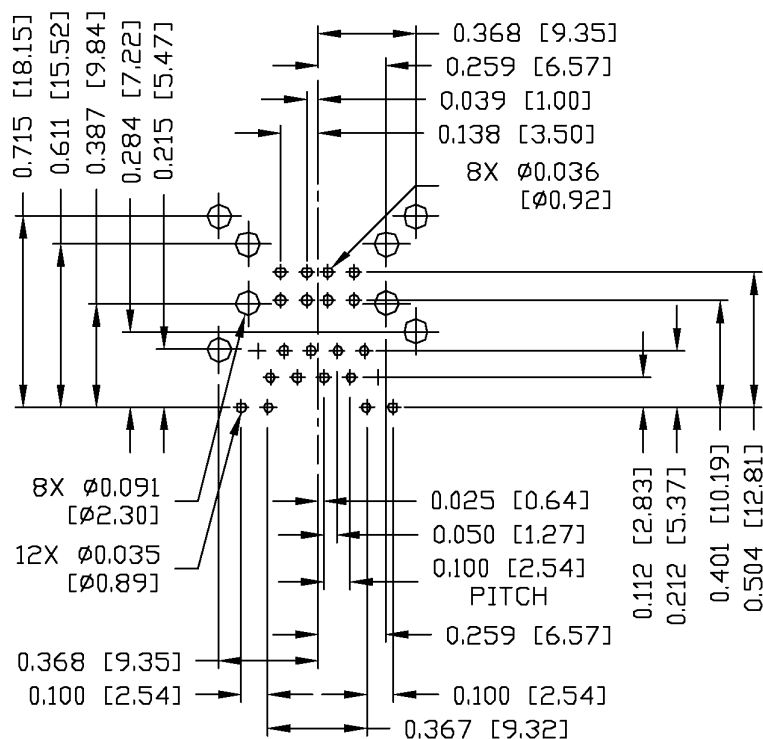


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PRELIMINARY

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: TIN PLATED ON COPPER ALLOY,
(ALL GROUND LEADS ARE SOLDER DIPPED)

USB MECHANICAL:

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

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

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

DRWN	DATE
QIAN	01-06-05
CHKD	DATE
TAD/KEUNG	01-06-05

TITLE
MagJack™ Combo
(Staggered pin)

PART NO. / DRAWING NO.
C893-1DX1-E5
FILE NAME
C8931DX1E5PA.DWG

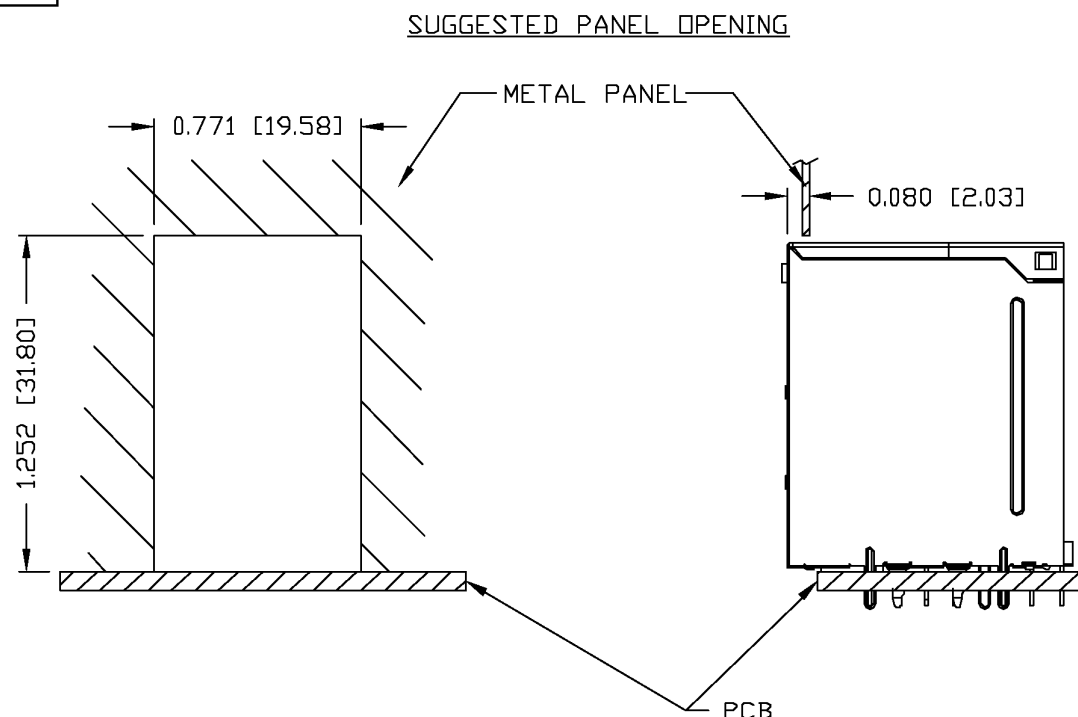
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.X	UNIT : INCH [mm]	REV. : PA
.XX	SCALE : N/A	SIZE : A4
.XXX	±0.010	PAGE : 4

bel
COMPONENTS FOR
CONNECTED
PLANT

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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)

DRWN	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PA	
QIAN	01-06-05	MagJack™ Combo (Staggered pin)	C893-1DX1-E5	.X		SCALE : N/A	SIZE : A4	
CHKD	DATE		FILE NAME	.XX				
TAD/KEUNG	01-06-05		C8931DX1E5PA.DWG	.XXX	±0.005		PAGE : 5	

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