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RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

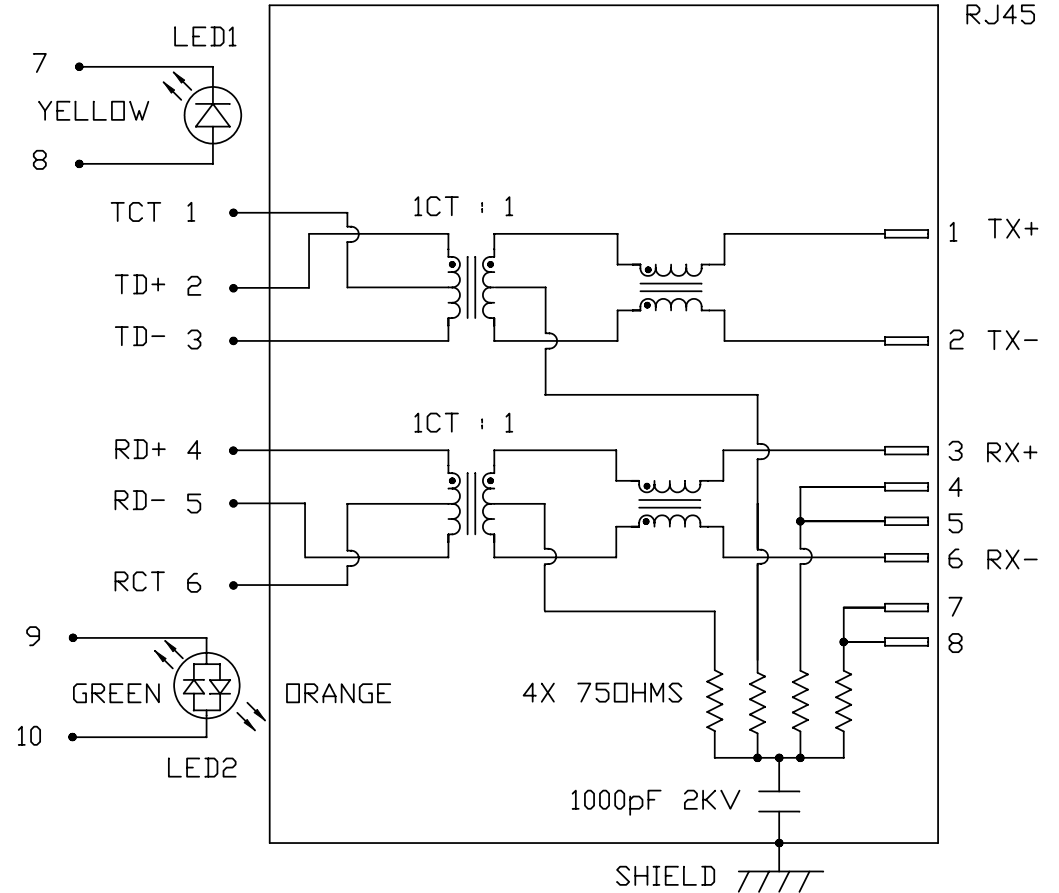
URNS RATIO

TX	1CT : 1
RX	1CT : 1
OC L @ 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)	-35 dB MIN
100kHz-100MHz	
CM TO CM REJ	-30 dB MIN
100kHz-100MHz	
CM TO DM REJ	-40 dB MIN
100kHz-100MHz	
HIPOT (Isolation Voltage):	1500 Vrms
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.	

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.

LED1 POLARITY			LED2 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
-	+	YELLOW	+	-	ORANGE
-	+	YELLOW	-	+	GREEN

SCHEMATIC



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

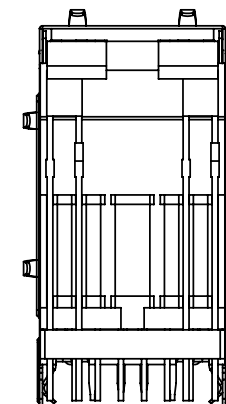
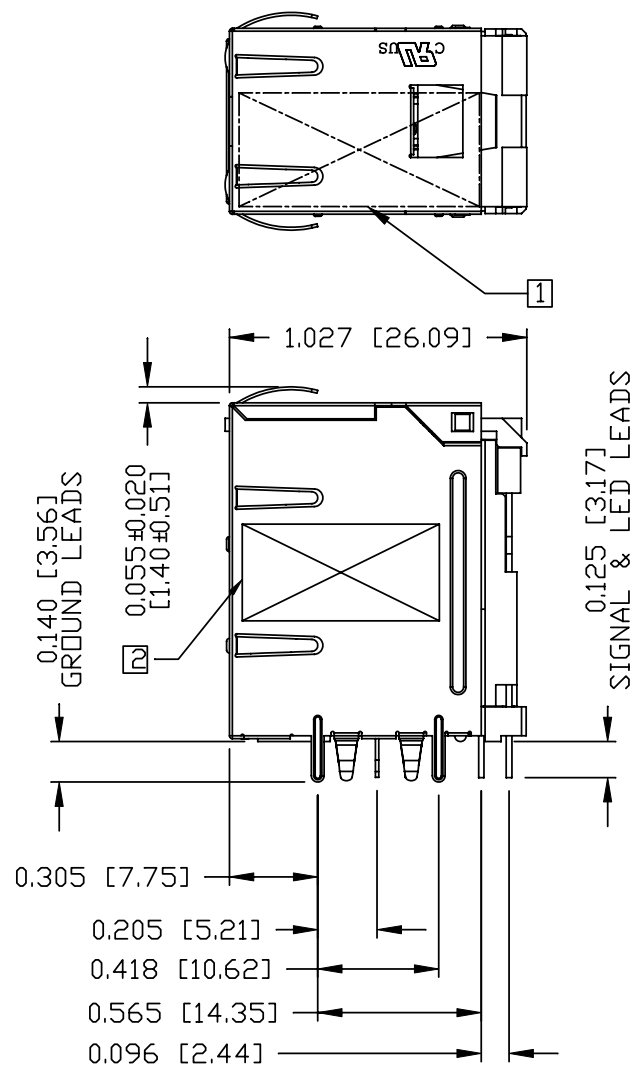
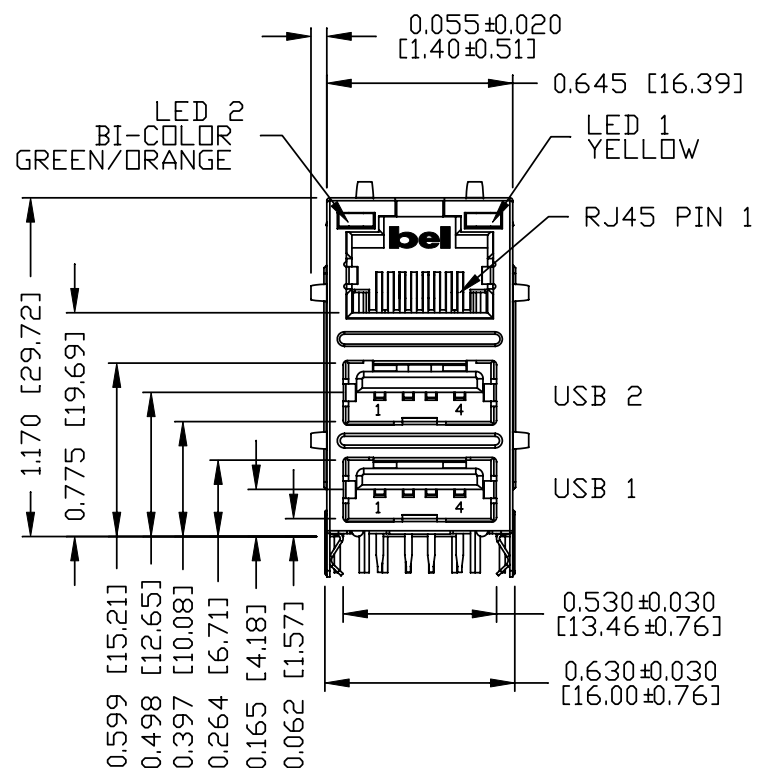
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	2012-07-09	MagJack® Combo (CM Termination) PATENTED	08C2-1X1T-36	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A REV. : C SIZE : A4 PAGE : 2
DRAWN BY	DATE		FILE NAME		
TAN QIGUANG	2012-07-09		08C2-1X1T-36_C.DWG		

bel
COMPONENTS FOR A
CONNECTED
PLANET

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MECHANICAL SPECIFICATION

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ANTON LIAO	2012-07-09	MagJack® Combo (CM Termination) PATENTED	08C2-1X1T-36	.X	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	2012-07-09		08C2-1X1T-36_C.DWG	.XXX ±0.010	PAGE : 3

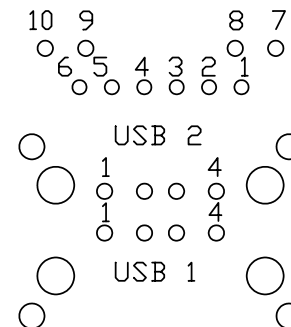
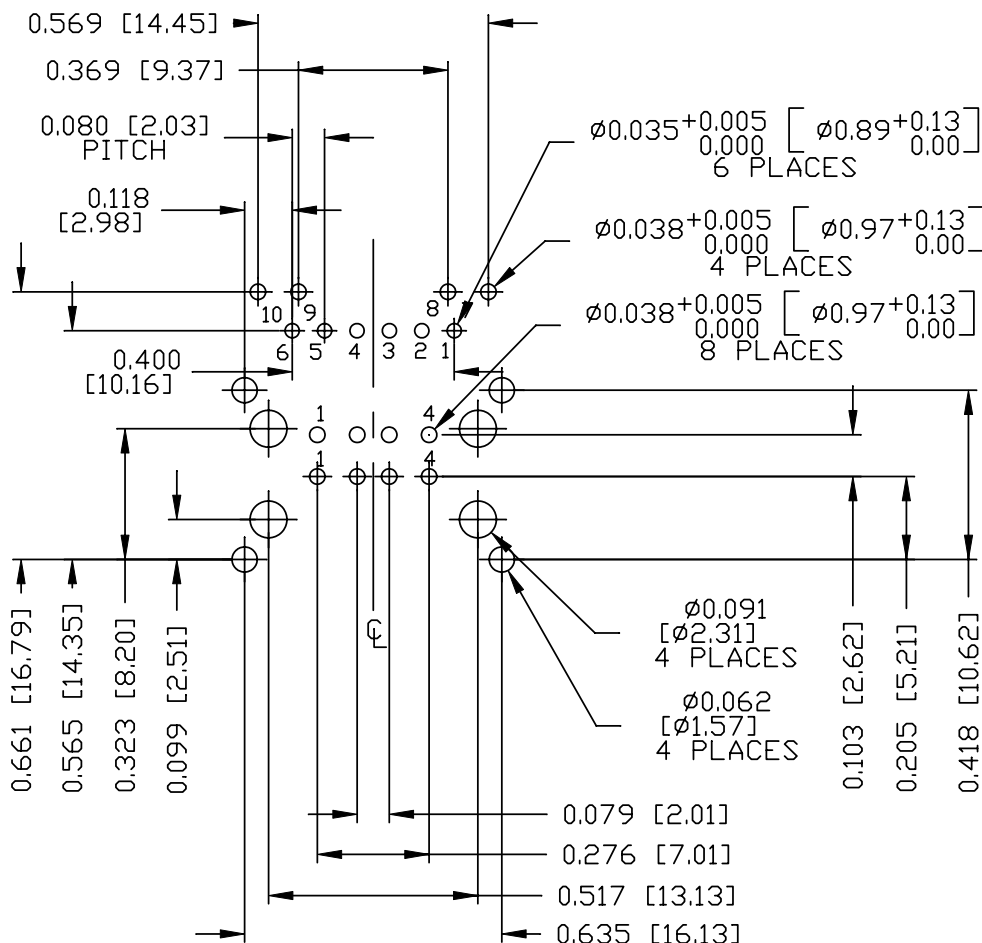
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Recommended PCB footprint Component Side



RJ45 MECHANICAL:
PLASTIC HOUSING: THERMOPLASTIC PBT OR EQUIVALENT.
CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
PINS: TIN-COATED COPPER 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.



USUL RECOGNIZED - FILE #E196366 AND E169987.

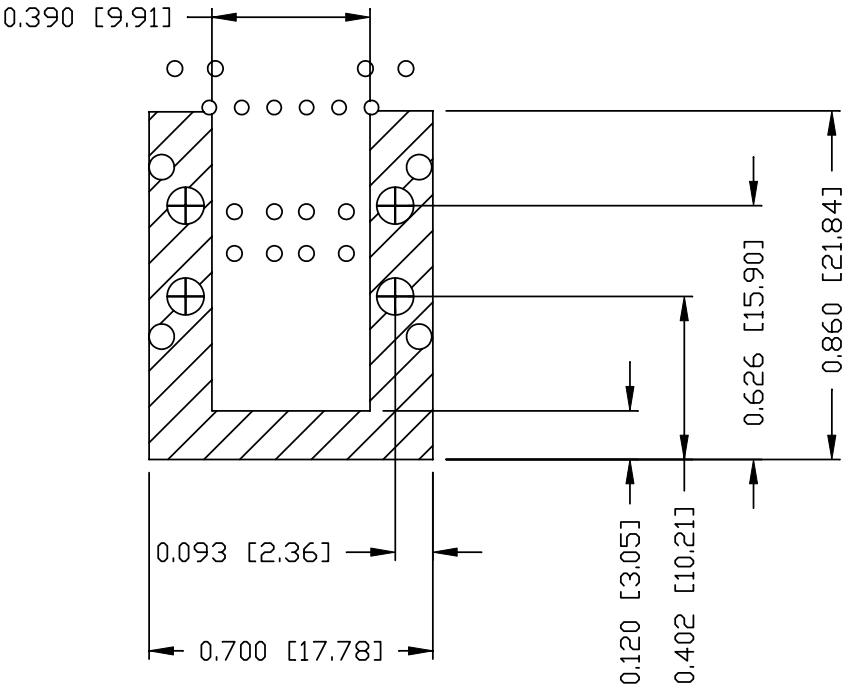
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER AND DATE CODE.
2. "PATENTED" MARKING.
3. THE PRODUCT IS RoHS COMPLIANT.
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
5. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 5,736,910.

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DRAWN BY	DATE	PATENTED	FILE NAME	.XX	SCALE : N/A	SIZE : A4
HE ZHEN	2012-07-09		08C2-1X1T-36_C.DWG	.XXX	±0.004	PAGE : 4



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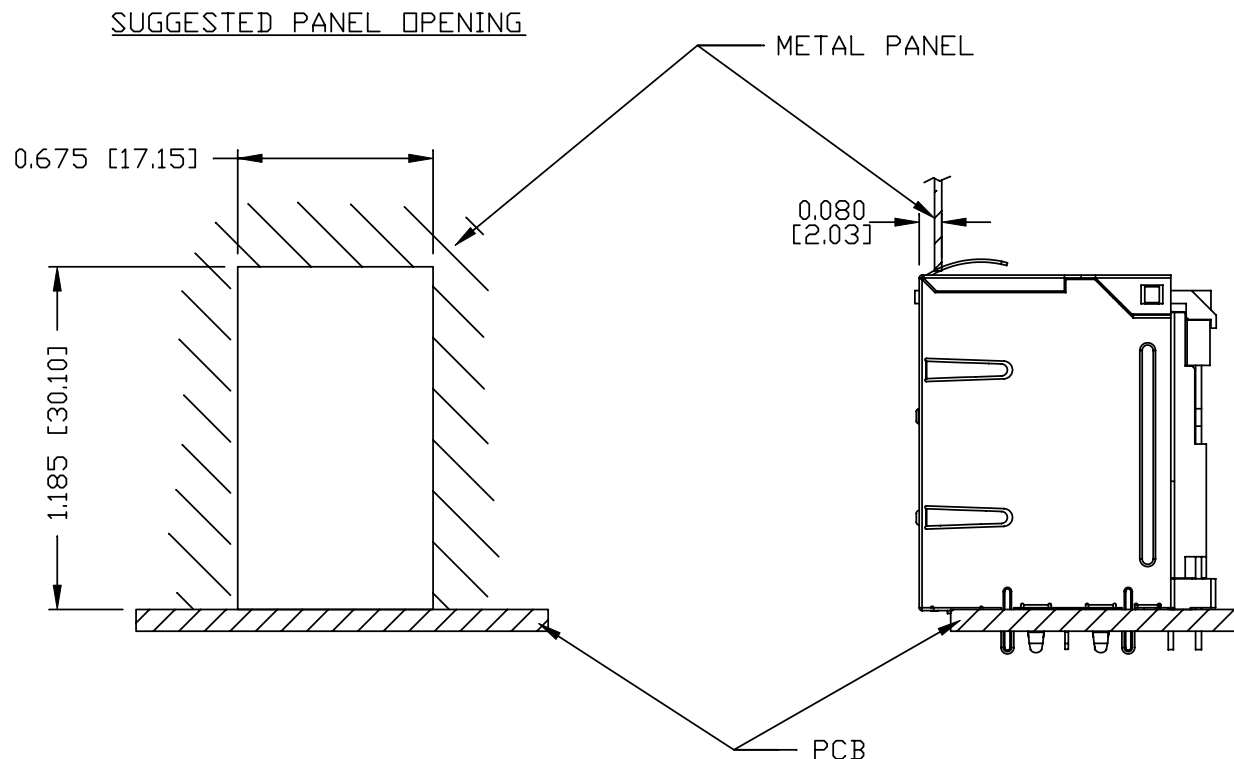
NOTES

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY	DATE	TITLE MagJack® Combo (CM Termination) PATENTED	PART NO. / DRAWING NO. 08C2-1X1T-36		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON LIAO	2012-07-09		FILE NAME 08C2-1X1T-36_C.DWG		.X		UNIT : INCH [mm]	REV. : C	
DRAWN BY	DATE				.XX		SCALE : N/A	SIZE : A4	
HE ZHEN	2012-07-09				.XXX	±0.004	 	PAGE : 5	

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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-A3

PACKING QUANTITY : 42 PCS FINISHED GOODS PER TRAY

10 TRAYS (420 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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COMPONENTS FOR A
CONNECTED
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