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

RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

TRANSFORMER

TX	1CT : 1
RX	1CT : 1
OCV @ 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)	
500kHz - 100 MHz	-35 dB MIN
CM TO CM REJ	
100kHz - 100 MHz	-30 dB MIN
CM TO DM REJ	
100kHz - 100 MHz	-40 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.	

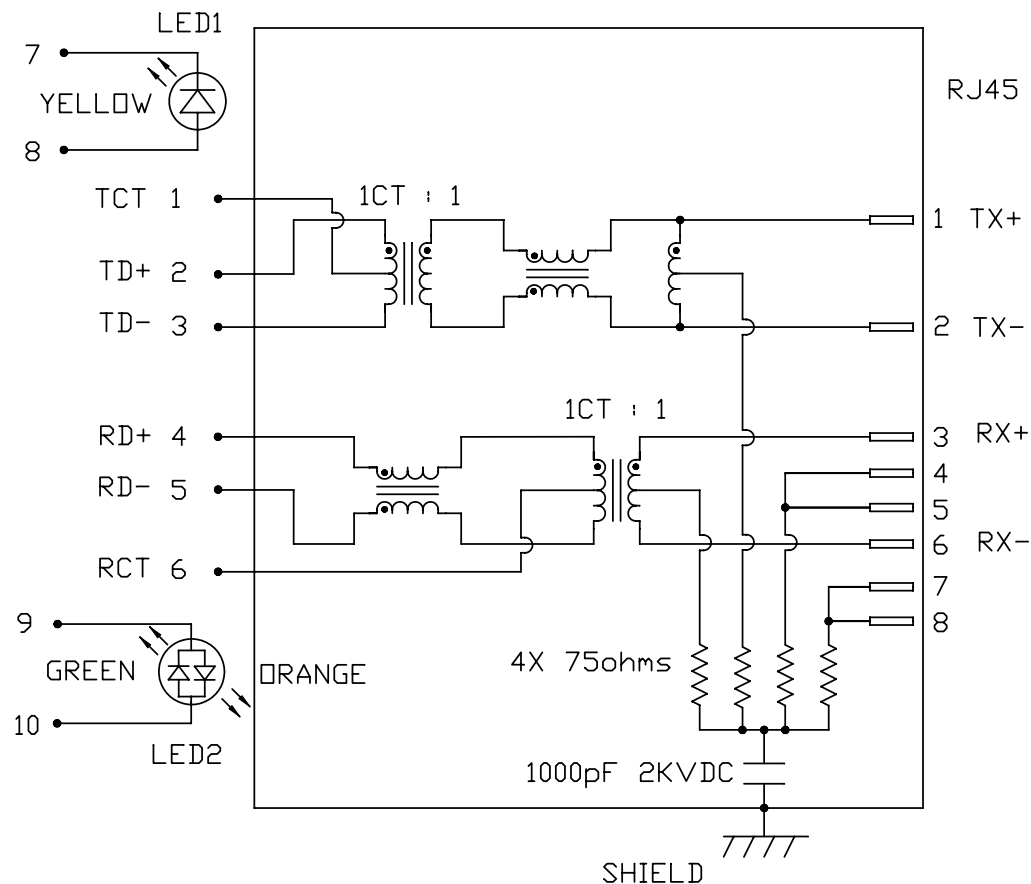
LED 1

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.

SCHEMATIC



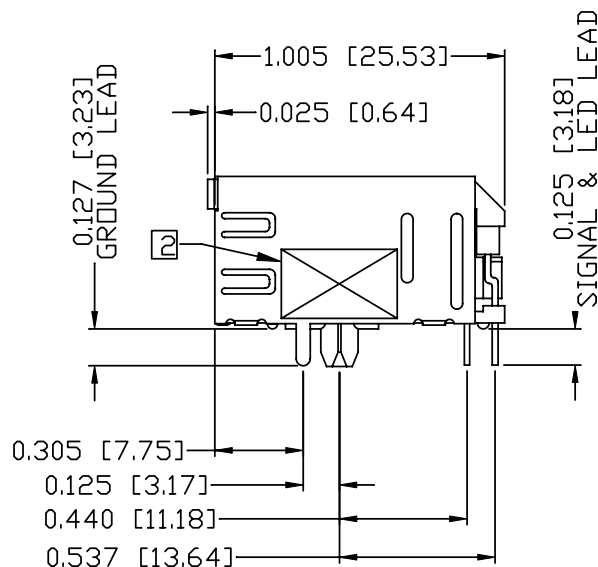
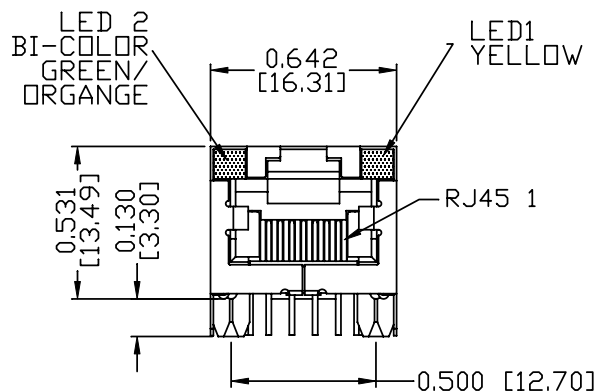
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHOW WANCHUNG	2012-08-29	MagJack® (CM Termination)	08B01XX103-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : C
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
TAN QIGUANG	2012-08-29	08B0-1XX1-03-F PATENTED	08B01XX103-F_C.DWG	.XX		PAGE : 2
				.XXX		

bel
COMPONENTS FOR A
CONNECTED
PLANET

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MECHANICAL SPECIFICATION

RoHS



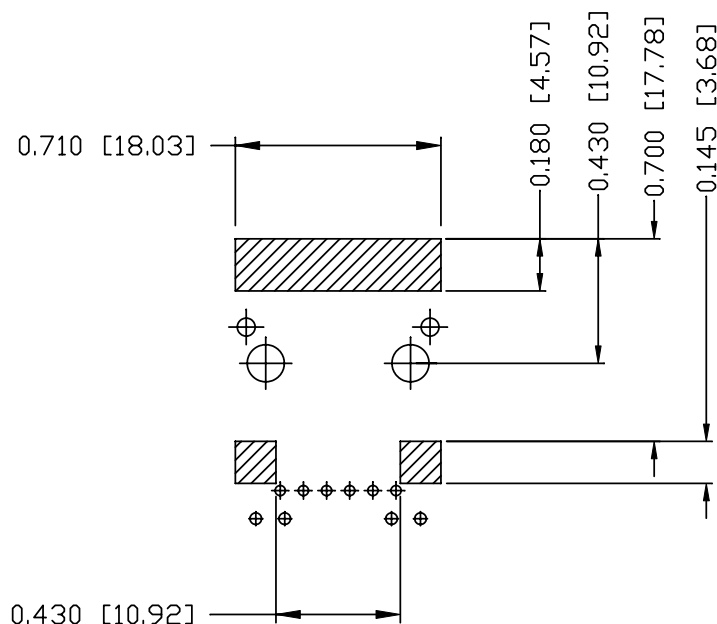
NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: PRE-PLATED NICKEL ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
2. "PATENTED" MARKING.

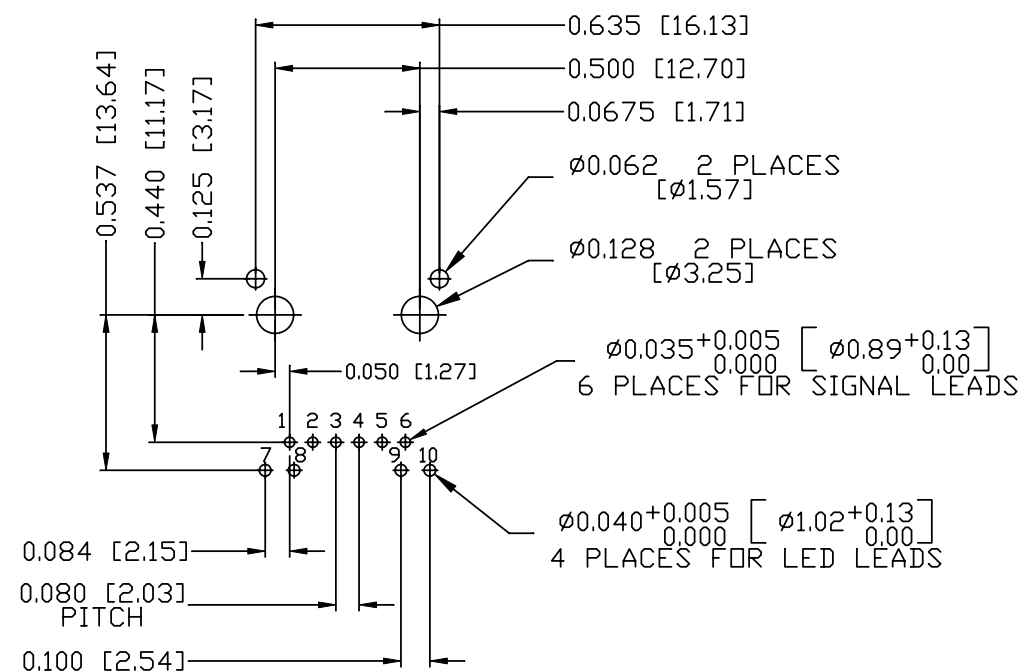
3. THE PRODUCT IS RoHS COMPLIANT.
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
5. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : C
ANTON LIAO	2012-08-29	MagJack® (CM Termination)	08B01XX103-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE	08B0-1XX1-03-F	FILE NAME	.XX			PAGE : 3
HE ZHEN	2012-08-29	PATENTED	08B01XX103-F_C.DWG	.XXX	±0.010		





RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



NOTES:

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

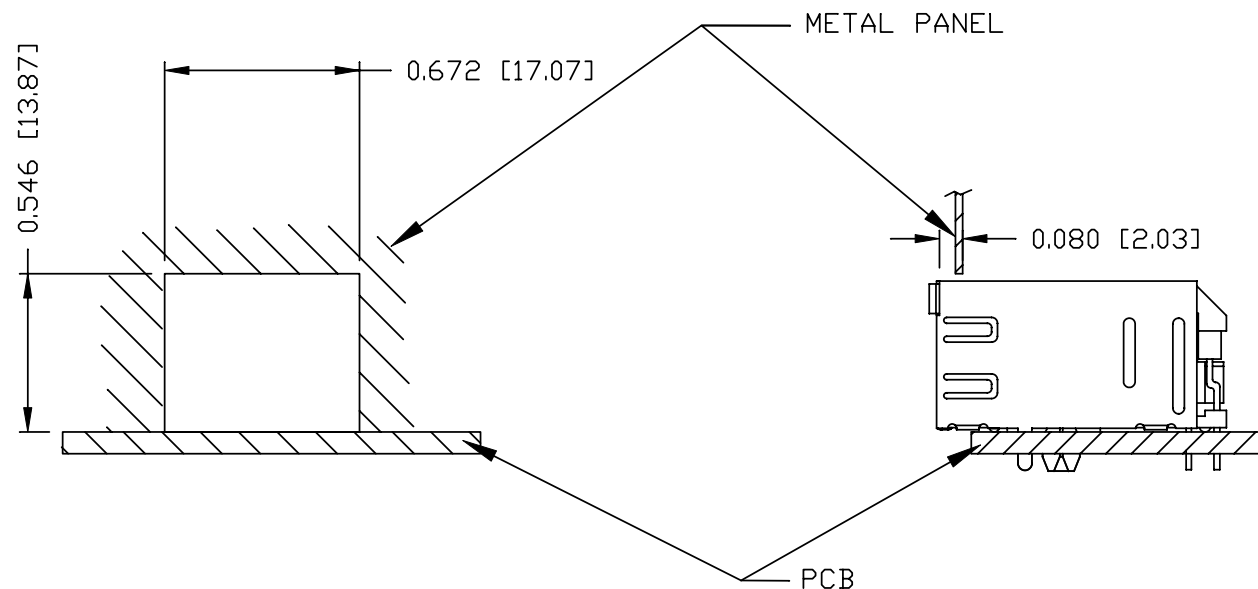
ORIGINATED BY ANTON LIAO	DATE 2012-08-29	TITLE MagJack® (CM Termination) 08B0-1XX1-03-F PATENTED	PART NO. / DRAWING NO. 08B01XX103-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : C
DRAWN BY HE ZHEN	DATE 2012-08-29		FILE NAME 08B01XX103-F_C.DWG	.XXX ±0.004	SCALE : N/A	SIZE : A4
						PAGE : 4

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SUGGESTED PANEL OPENING



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 TUBE : 0200-0149-01

PACKING QUANTITY : 30 PCS FINISHED GOODS PER TUBE

20 TUBES (600 PCS FINISHED GOODS) PER CARTON BOX

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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	2012-08-29	08B0-1XX1-03-F PATENTED	08B01XX103-F_C.DWG	.XXX ±0.004	PAGE : 5

