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RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX

RX

□CL @ 100kHz/100mVRMS

8mA DC BIAS

INS. LOSS

1MHz TO 100MHz

RET. LOSS (MIN)

1MHz-30MHz

30MHz-60MHz

60MHz-80MHz

CROSS TALK (TX - RX)

500kHz-1MHz

10 MHz

30 MHz

50 MHz

100 MHz

CM TO CM REJ

100kHz-1MHz

10 MHz

30 MHz

60 MHz

100 MHz

CM TO DM REJ

100kHz-1MHz

10 MHz

30 MHz

60 MHz

100 MHz

HIPOT (Isolation Voltage):

100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE:

1CT : 1

1CT : 1

350μH MIN.

-1.0 dB MAX

-18 dB

-18+20LOG(F/30MHz) dB

-12 dB

-70 dB MIN

-50 dB MIN

-45 dB MIN

-40 dB MIN

-35 dB MIN

-70 dB MIN

-47 dB MIN

-42 dB MIN

-37 dB MIN

-30 dB MIN

-70 dB MIN

-60 dB MIN

-50 dB MIN

-45 dB MIN

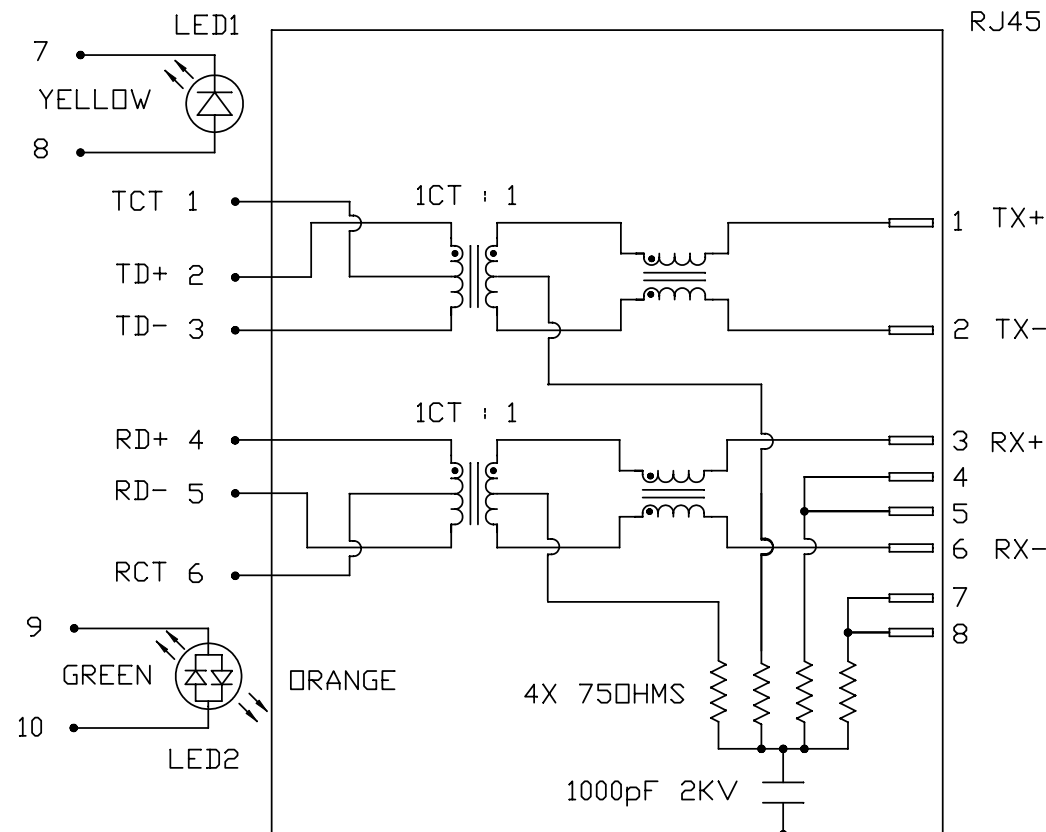
-40 dB MIN

1500 Vrms

-40°C TO 85°C

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

SCHEMATIC



LED 1

VF (FORWARD VOLTAGE)

λD (DOMINANT WAVELENGTH)

LED 2

VF (FORWARD VOLTAGE)

λD (DOMINANT WAVELENGTH)

SHIELD

IF=20mA YELLOW 2.1V TYP.

IF=20mA YELLOW 590nm TYP.

IF=20mA ORANGE 2.0V TYP.

IF=20mA GREEN 2.2V TYP.

IF=20mA ORANGE 605nm TYP.

IF=20mA GREEN 570nm TYP.

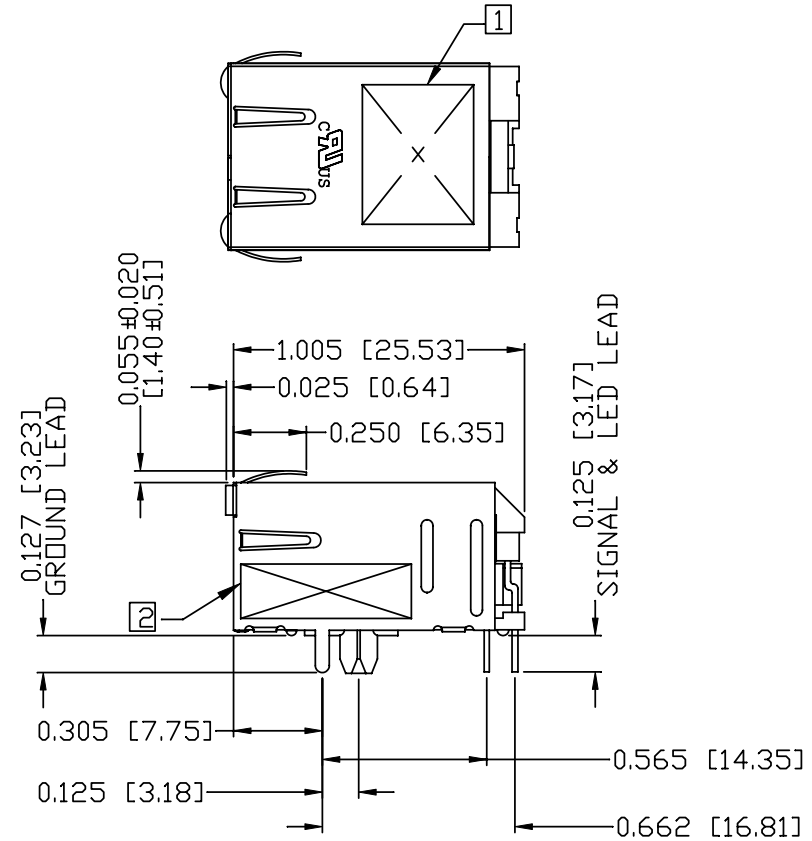
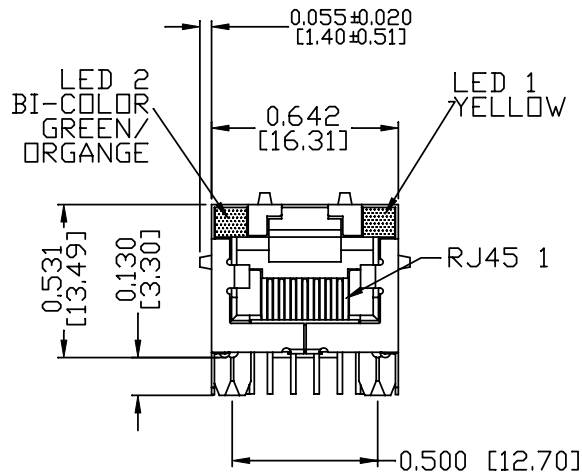
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHOW WANCHUNG	2013-10-11	MagJack® (4 Cores, MDIX, CM Termination) Extended temperature	08B01X1T36-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : C
DRAWN BY	DATE	FILE NAME		.X	SCALE : N/A	SIZE : A4
TAN QIGUANG	2013-10-11	08B0-1X1T-36-F PATENTED	08B01X1T36-F_C.DWG	.XX		PAGE : 2
				.XXX		



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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.

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

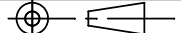
② "PATENTED" MARKING.

c  UL RECOGNIZED - FILE #E196366 AND E169987.

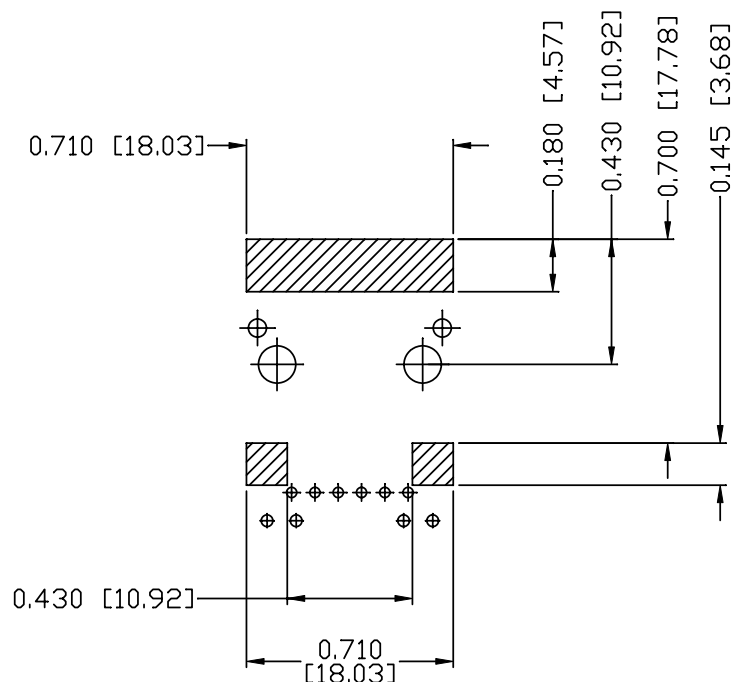
3. THE PRODUCT IS RoHS COMPLIANT.

4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

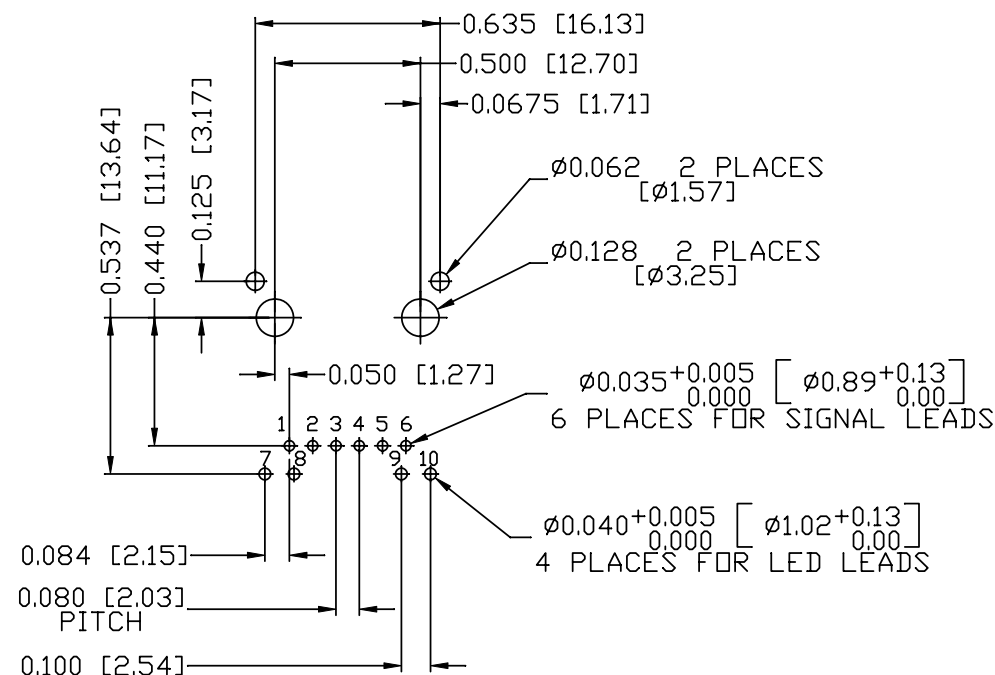
5. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL.	IN INCH	UNIT : INCH [mm]	REV. : C
ANTON LIAO	2013-10-11	MagJack® (4 Cores, MDIX, CM Termination)	08B01X1T36-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE	Extended temperature	FILE NAME	.XX			PAGE : 3
LIU DONGJUN	2013-10-11	08B0-1X1T-36-F PATENTED	08B01X1T36-F_C.DWG	.XXX	±0.010		

bel
COMPONENTS FOR A
CONNECTED
PLANET



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



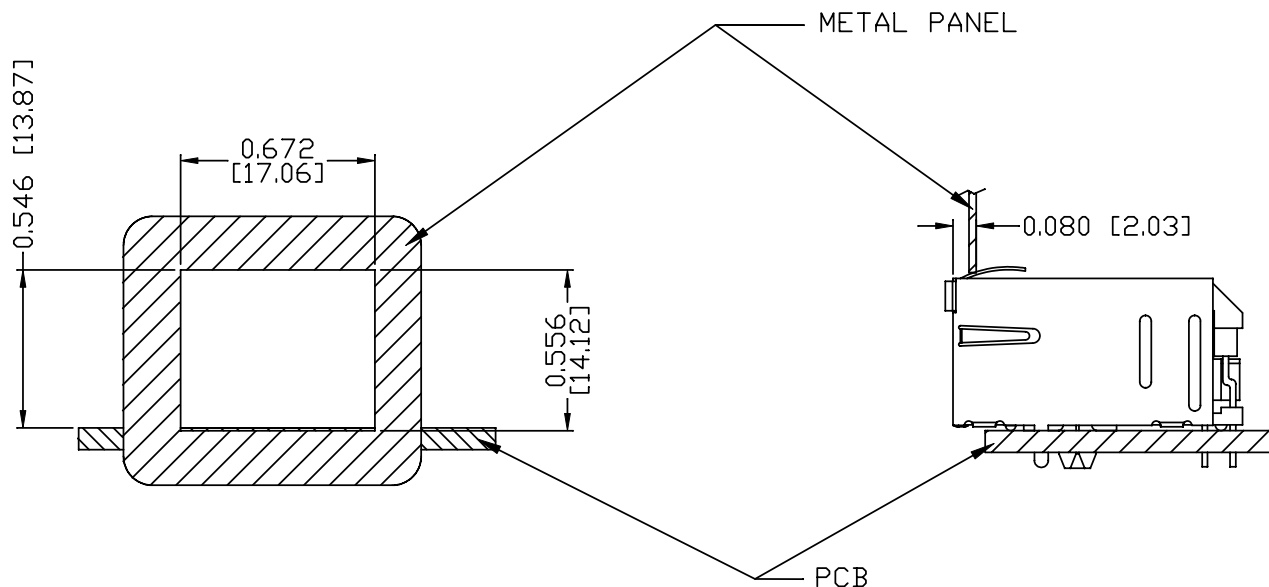
NOTES:

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

ORIGINATED BY ANTON LIAO	DATE 2013-10-11	TITLE MagJack® (4 Cores, MDIX, CM Termination) Extended temperature 08B0-1X1T-36-F PATENTED	PART NO. / DRAWING NO. 08B01X1T36-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : C
DRAWN BY LIU DONGJUN	DATE 2013-10-11		FILE NAME 08B01X1T36-F_C.DWG		SCALE : N/A	SIZE : A4
						PAGE : 4



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 TRAY : 0200-9999-D4(TOP)

0200-9999-D5(BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY

11 TRAYS (660 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	
ANTON LIAO	2013-10-11	MagJack® (4 Cores, MDIX, CM Termination) Extended temperature 08B0-1X1T-36-F PATENTED	08B01X1T36-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : C
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
LIU DONGJUN	2013-10-11		08B01X1T36-F_C.DWG	.XX		PAGE : 5
				.XXX		