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

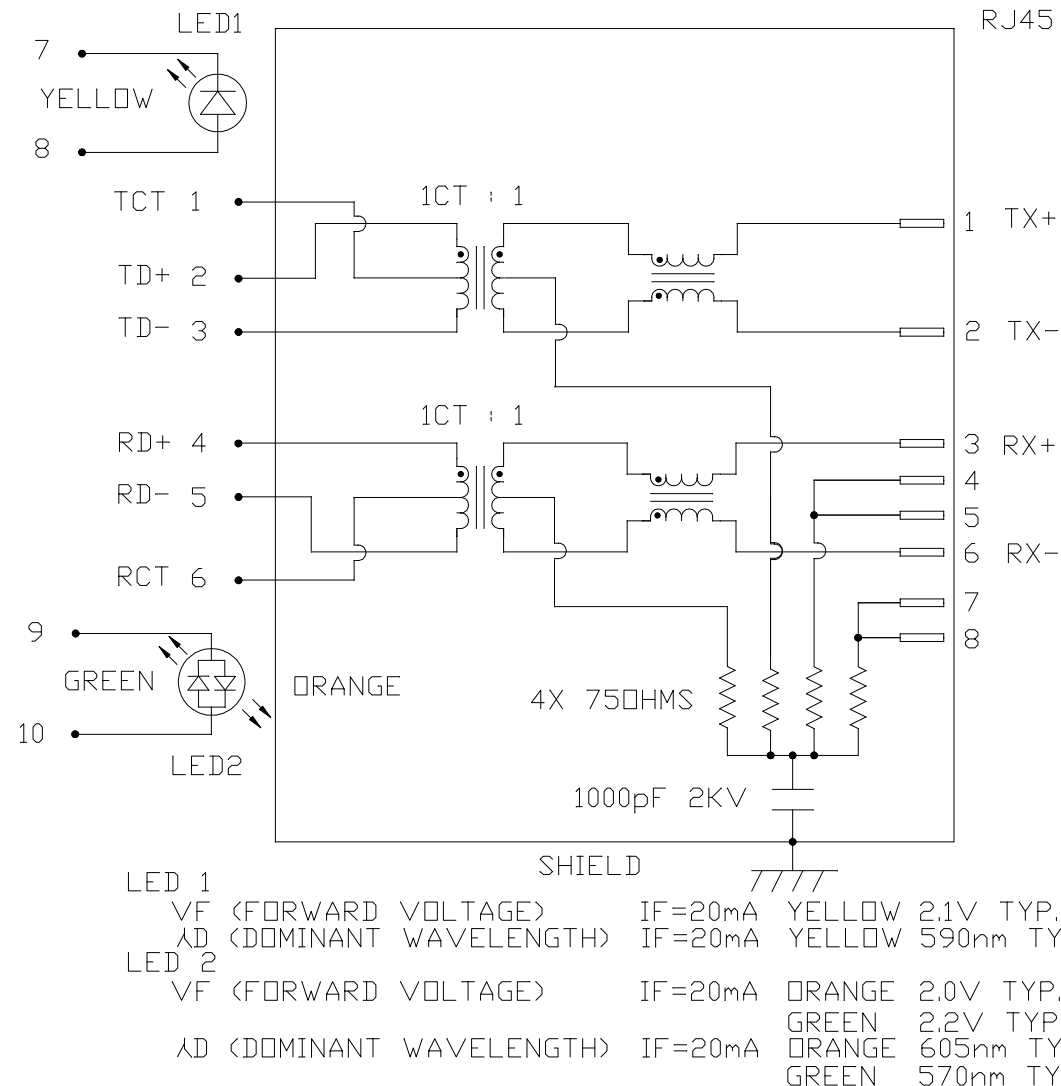
SCHEMATIC

RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

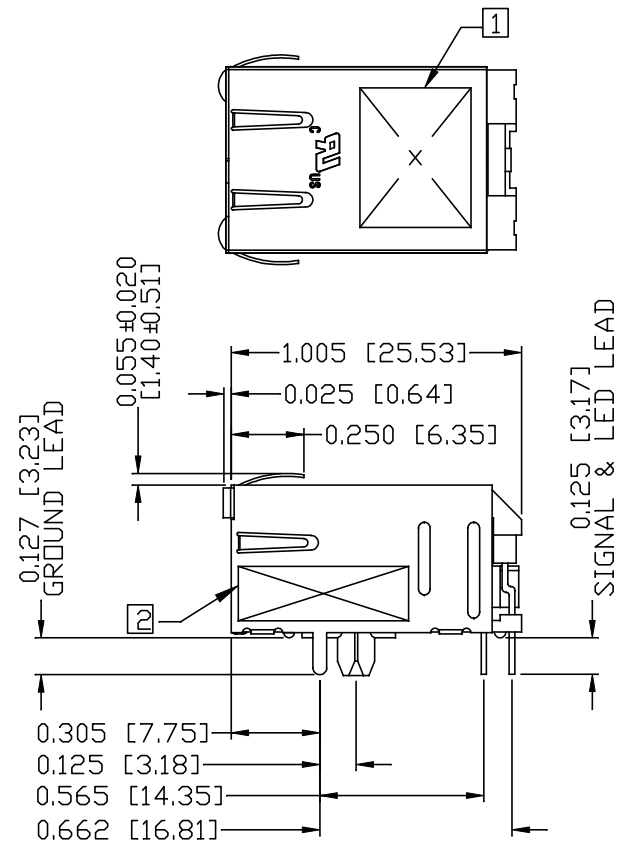
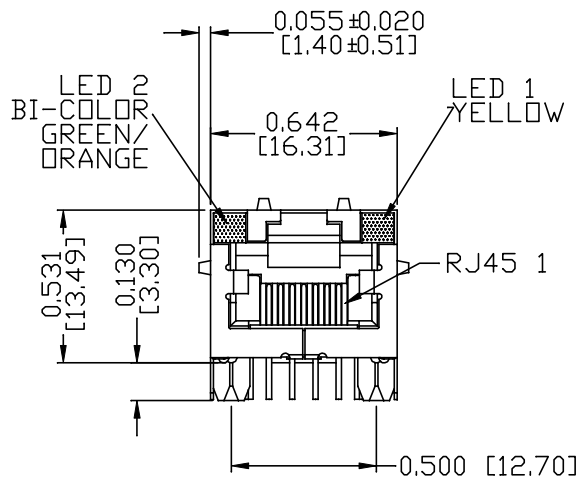
TRANSFORMER RATIO	1CT : 1
TX	1CT : 1
RX	
QCL @ 100kHz/100mVRMS	350μH MIN.
8mA DC BIAS	
INS. LOSS	
1MHz TO 100MHz	-1.0 dB MAX
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 dB MIN
CM TO CM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-47 dB MIN
30 MHz	-42 dB MIN
60 MHz	-37 dB MIN
100 MHz	-30 dB MIN
CM TO DM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-60 dB MIN
30 MHz	-50 dB MIN
60 MHz	-45 dB MIN
100 MHz	-40 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.	



ORIGINATED BY CHOW WANCHUNG		DATE 2013-07-23	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1X1T-06-F PATENTED	PART NO. / DRAWING NO. 08B01X1T06-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET	
DRAWN BY TAN QIGUANG		DATE 2013-07-23		FILE NAME 08B01X1T06-F_D.DWG		.X		UNIT : INCH [mm]			REV. : D
						.XX		SCALE : N/A			SIZE : A4
						.XXX					PAGE : 2

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.

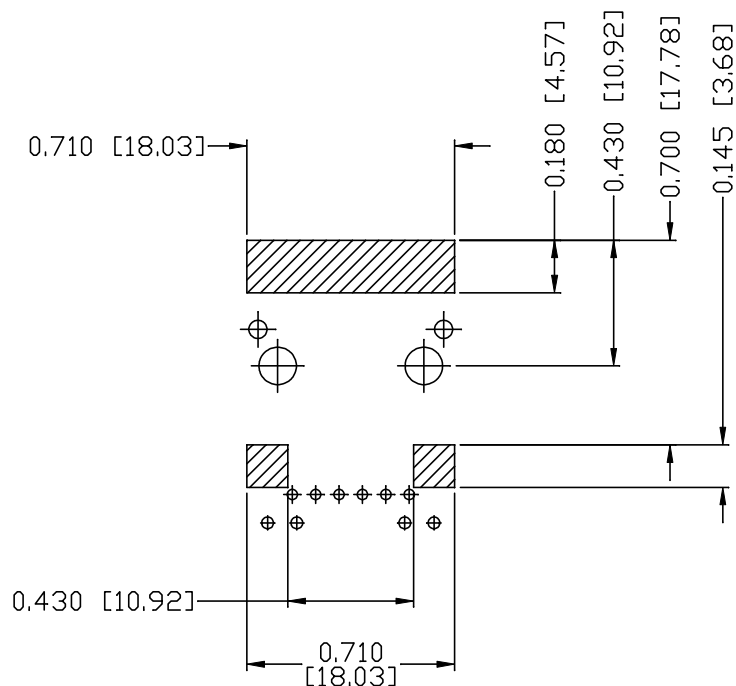
3. THE PRODUCT IS RoHS COMPLIANT.

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

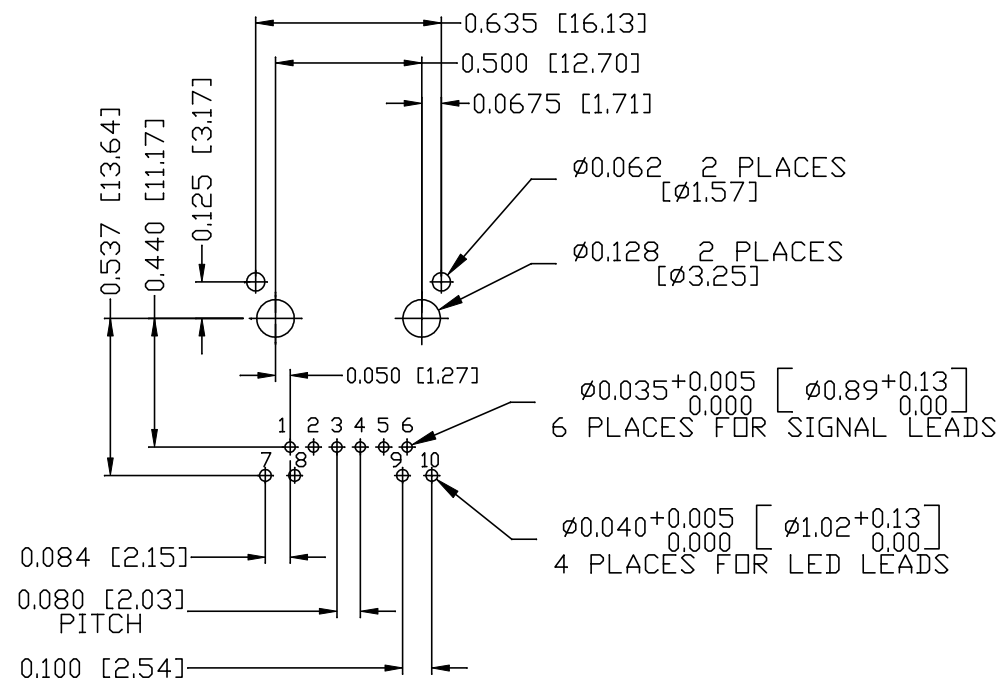
5. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 5,736,910.

 UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY ANTON LIAO	DATE 2013-07-23	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1X1T-06-F PATENTED	PART NO. / DRAWING NO. 08B01X1T06-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS OR CONNECTED PLANET
DRAWN BY JESSE LI	DATE 2013-07-23		FILE NAME 08B01X1T06-F_D.DWG	.X		UNIT : INCH [mm]	REV. : D	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.010		PAGE : 3	



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



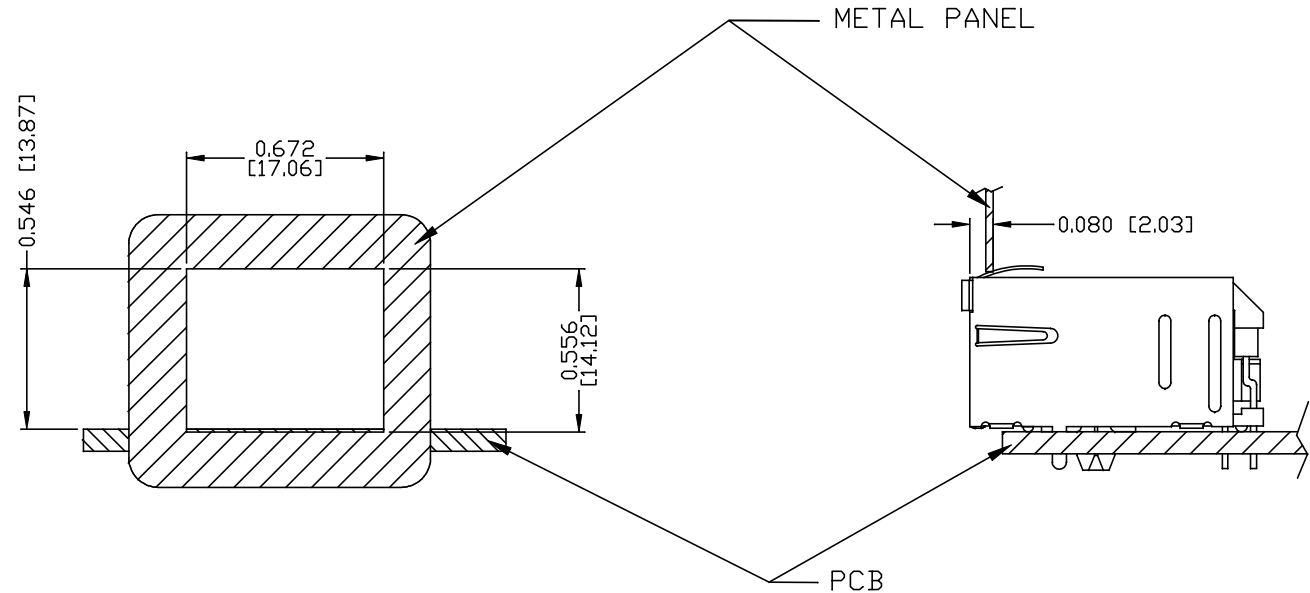
NOTES:

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

ORIGINATED BY ANTON LIAO	DATE 2013-07-23	TITLE MagJack® (4 Cores, MDIX, CM Termination)	PART NO. / DRAWING NO. 08B01X1T06-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : D
DRAWN BY JESSE LI	DATE 2013-07-23	08B0-1X1T-06-F PATENTED	FILE NAME 08B01X1T06-F_D.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		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. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
						UNIT : INCH [mm]	REV. : D
ANTON LIAO	2013-07-23	MagJack® (4 Cores, MDIX, CM Termination)	08B01X1T06-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE	TITLE	FILE NAME	.XX			PAGE : 5
				.XXX	±0.004		
JESSE LI	2013-07-23	08B0-1X1T-06-F PATENTED	08B01X1T06-F_D.DWG				



Mouser Electronics

Authorized Distributor

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Bel:

[08B0-1X1T-06-F](#)