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RoHS



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

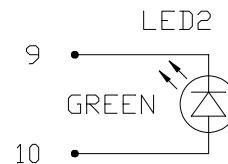
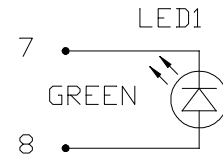
ELECTRICAL CHARACTERISTICS @ 25°C

TRANS RATIO

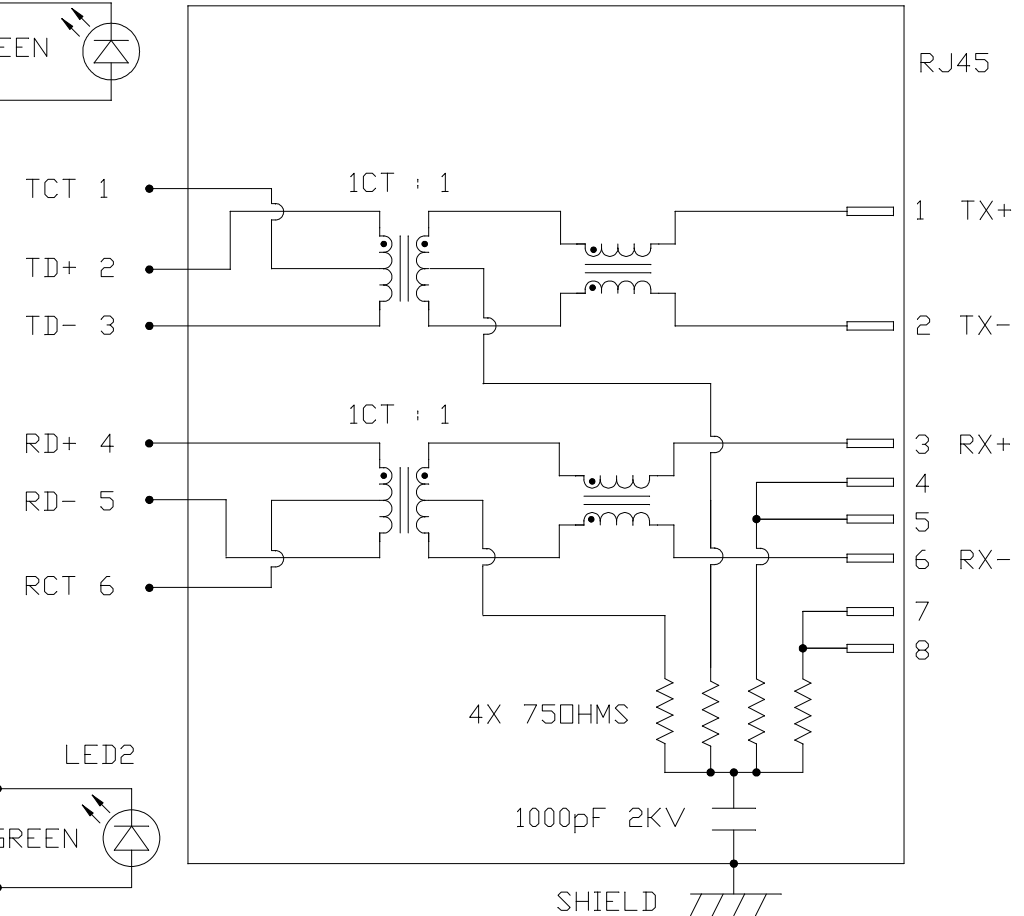
TX	1CT : 1
RX	1CT : 1
OC @ 100kHz/100mVRMS	350µH MIN.
8mA DC BIAS	
INS. LOSS	-1.0 dB MAX
1MHz TO 100MHz	
RET. LOSS (MIN)	-18 dB
1MHz-30MHz	
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 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

LED 1 & LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.



SCHEMATIC



ORIGINATED BY
CHOW WANCHUNG
DATE 2014-01-07

DRAWN BY
HU XIANG
DATE 2014-01-07

TITLE
MagJack®
(4 Cores, MDIX, CM Termination)
08B0-1G1T-36-F
PATENTED

PART NO. / DRAWING NO.
08B01G1T36-F

FILE NAME
08B01G1T36-F_B.DWG

STANDARD DIM.
TOL. IN INCH

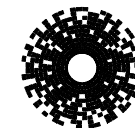
.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : B

PAGE : 2

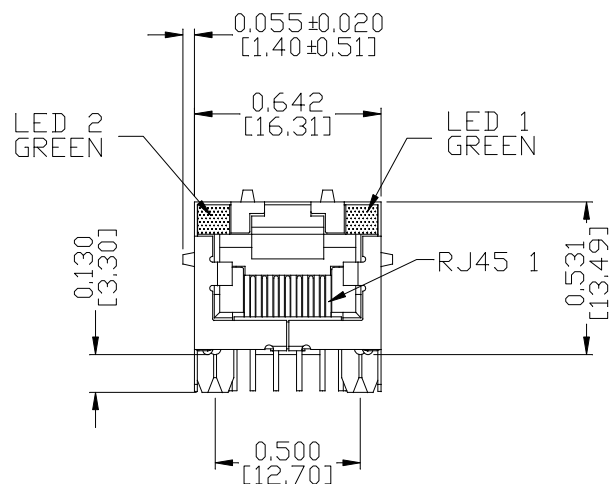


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MECHANICAL SPECIFICATION

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NOTES:

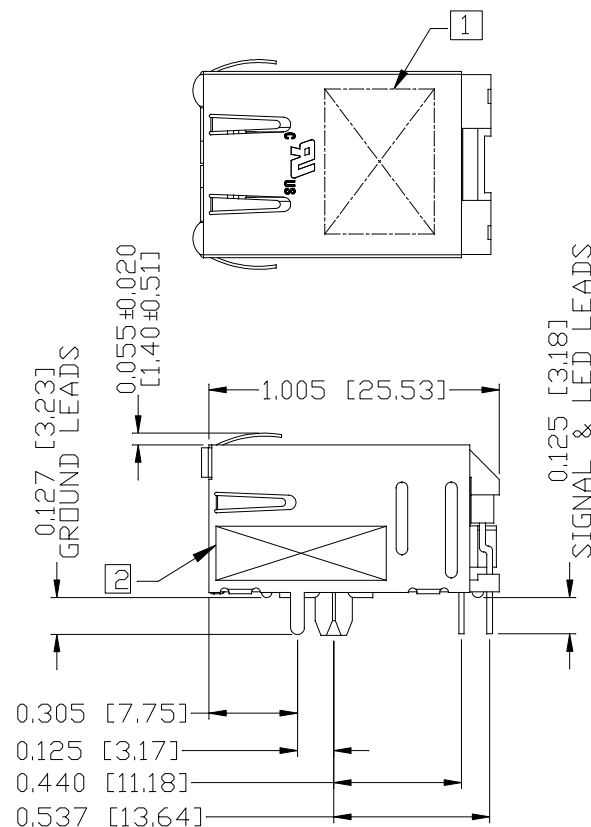
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0

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.

UL RECOGNIZED - FILE #E196366 AND E169987.

4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

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

ORIGINATED BY
ANTON LIAO
DATE 2014-01-07

DRAWN BY
JESSE LI
DATE 2014-01-07

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08B0-1G1T-36-F
PATENTED

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FILE NAME
08B01G1T36-F_B.DWG

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TOL. IN INCH

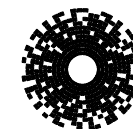
.X
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[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : B

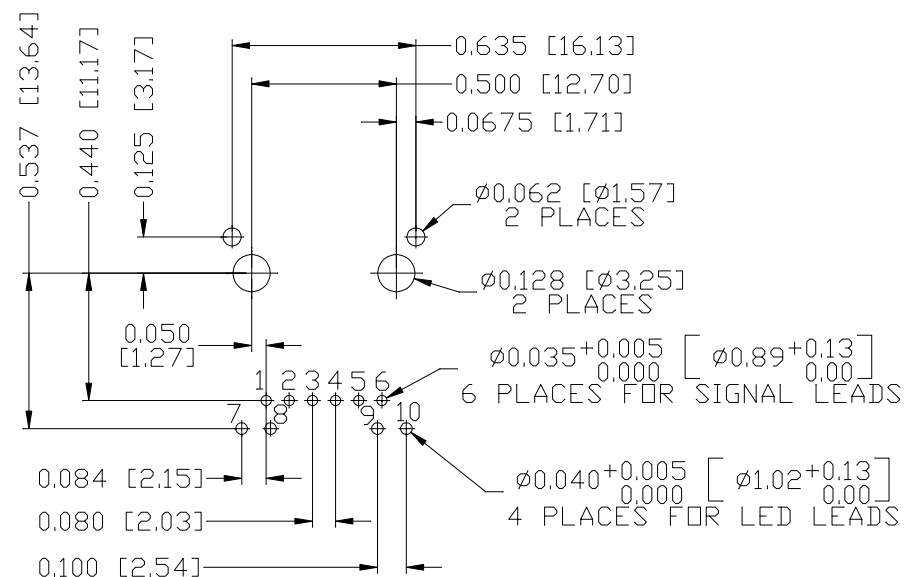
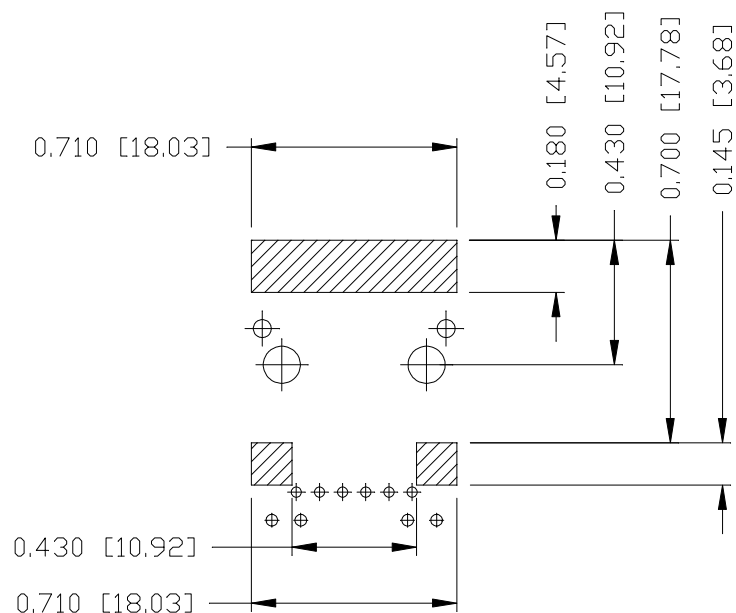
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



NOTES:

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

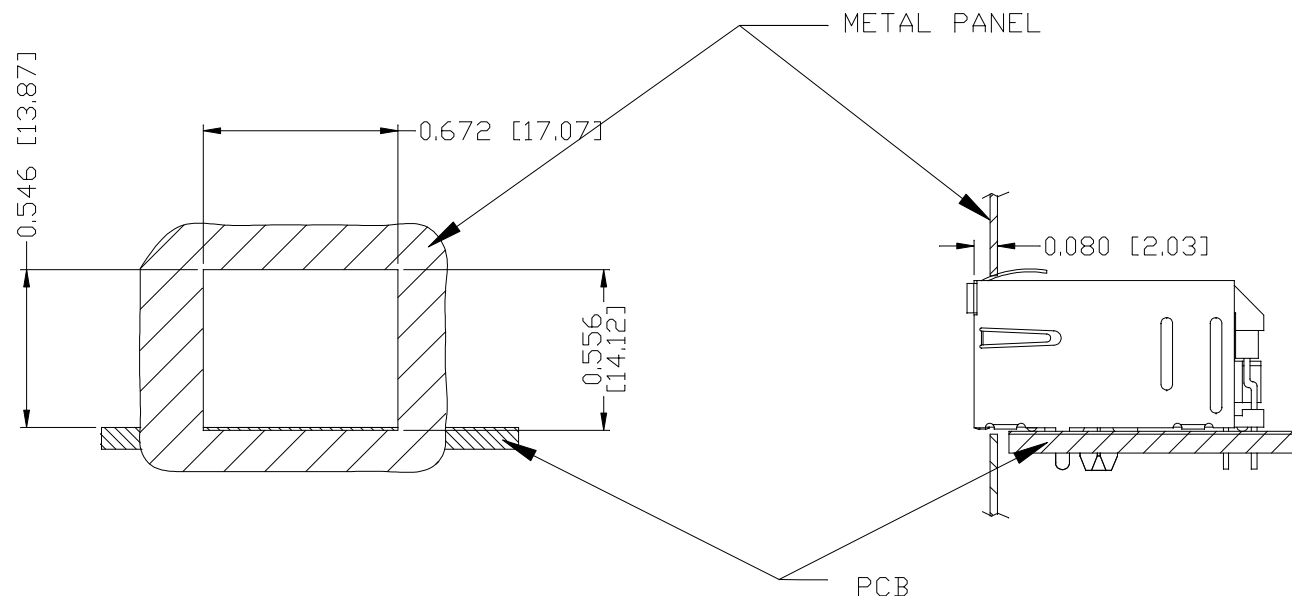
ORIGINATED BY ANTON LIAO DATE 2014-01-07	TITLE MagJack® <4 Cores, MDIX, CM Termination>	PART NO. / DRAWING NO. 08B01G1T36-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A	REV. : B PAGE : 4
DRAWN BY JESSE LI DATE 2014-01-07	08B0-1G1T-36-F PATENTED	FILE NAME 08B01G1T36-F_B.DWG	±0.004	SIZE : A4	

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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

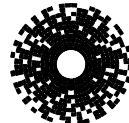
PACKING TRAY : 0200-9999-D4(TOP)



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)

REV. :	B	PAGE :	5
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ORIGINATED BY ANTON LIAO DATE 2014-01-07	TITLE MagJack® (4 Cores, MDIX, CM Termination)	PART NO. / DRAWING NO. 08B01G1T36-F	STANDARD DIM.		[] METRIC DIM. AS REF.	
			TOL. IN INCH			
DRAWN BY JESSE LI DATE 2014-01-07		08B0-1G1T-36-F PATENTED	FILE NAME 08B01G1T36-F_B.DWG	.X		UNIT : INCH [mm]
				.XX		SCALE : N/A
.XXX	±0.004		SIZE : A4			