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RoHS

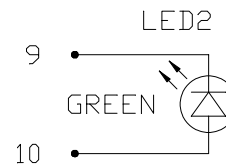
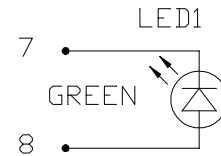


ELECTRICAL CHARACTERISTICS @ 25°C

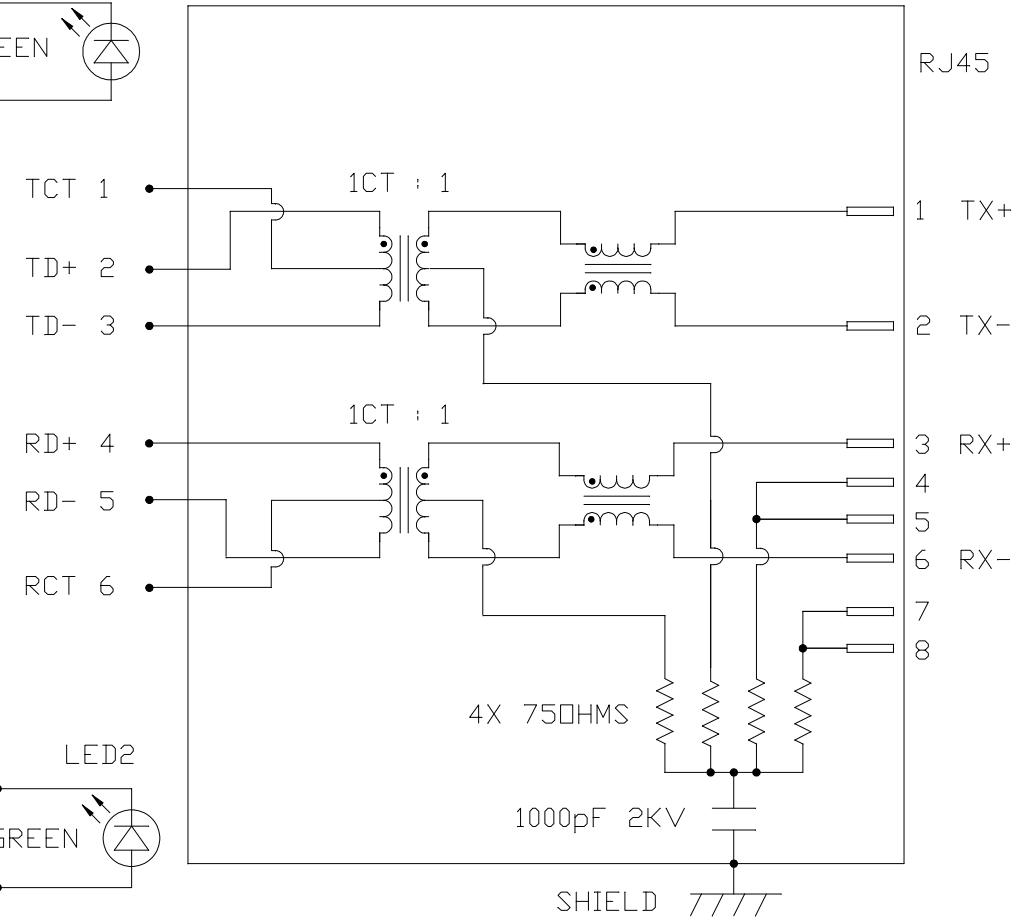
TRANSFORMER

TX	1CT : 1
RX	1CT : 1
OC @ 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
LED 1 & LED 2	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 570nm TYP.

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



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

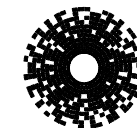
.X
.XX
.XXX

[] METRIC DIM.
AS REF.

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

REV. : B

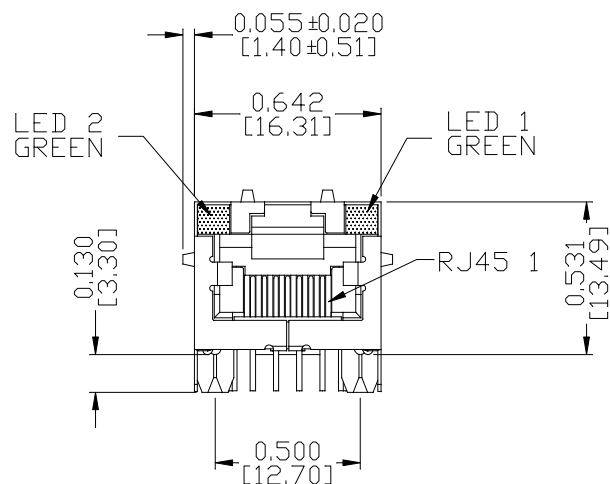
PAGE : 2



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MECHANICAL SPECIFICATION

RoHS



NOTES:

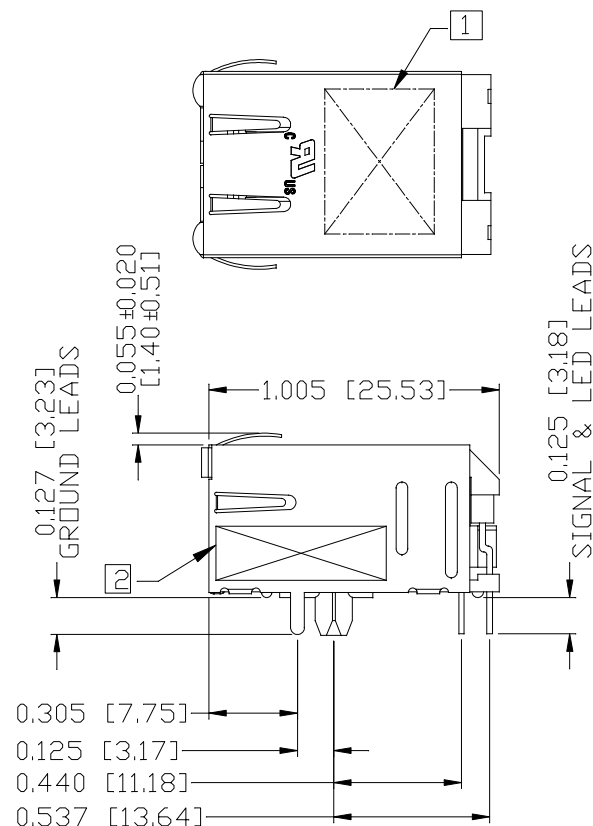
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0

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.

 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.

REV. : B PAGE : 3

ORIGINATED BY
ANTON LIAO
DATE 2014-01-07

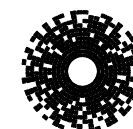
DRAWN BY
JESSE LI
DATE 2014-01-07

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

PART NO. / DRAWING NO.
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FILE NAME
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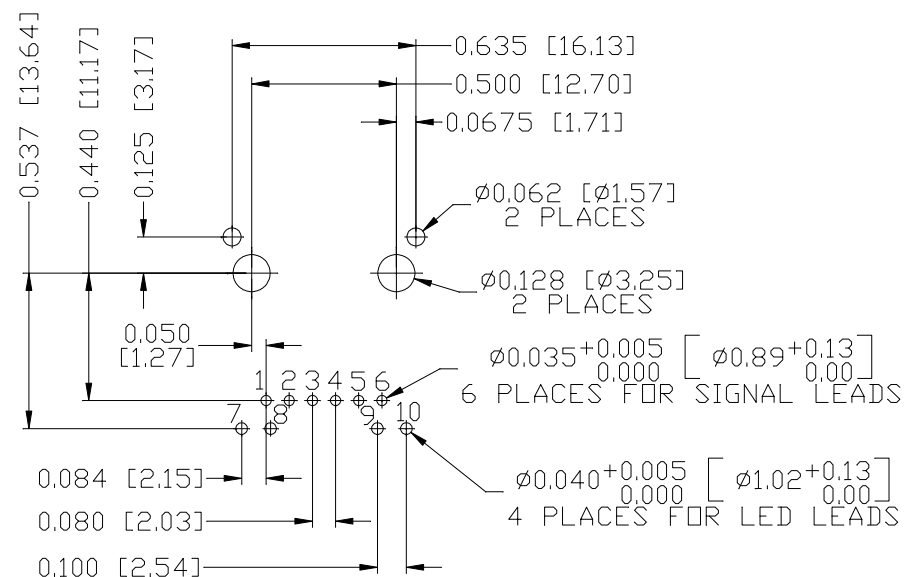
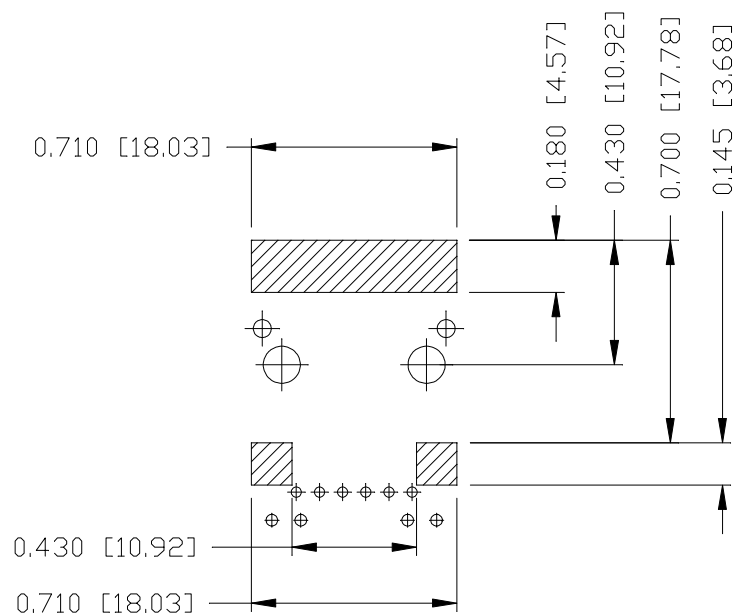
STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.010	SIZE : A4



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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.

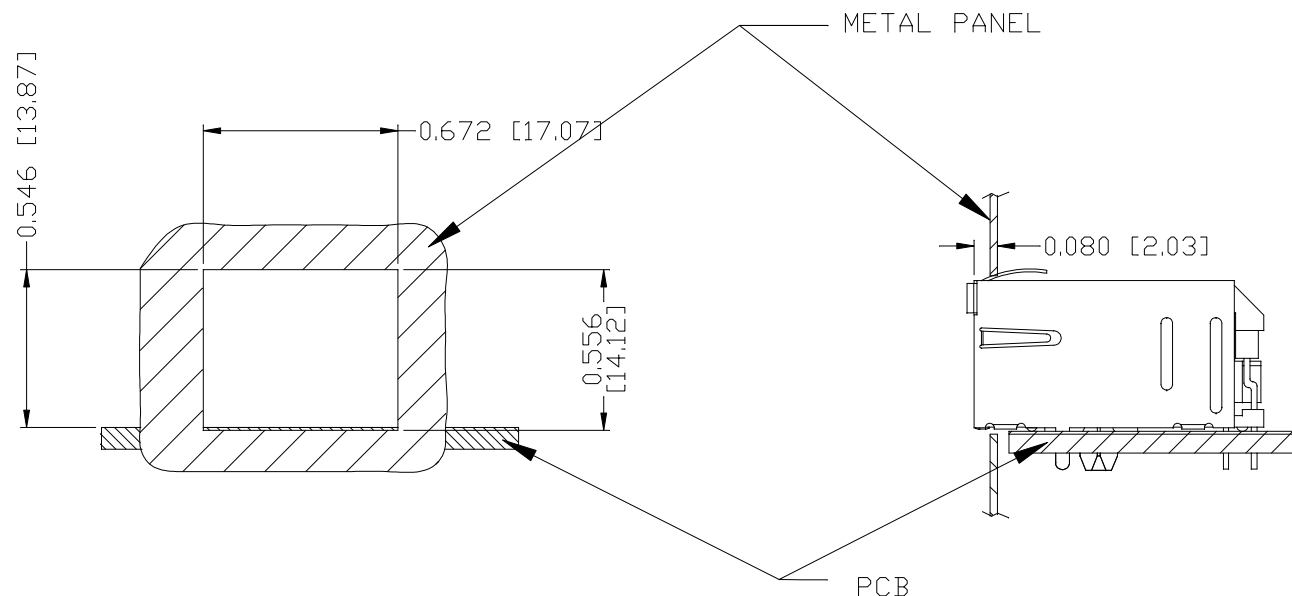
ORIGINATED BY ANTON LIAO DATE 2014-01-07	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1G1T-36-F PATENTED	PART NO. / DRAWING NO. 08B01G1T36-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.	
DRAWN BY JESSE LI DATE 2014-01-07		FILE NAME 08B01G1T36-F_B.DWG	.X		UNIT : INCH [mm]	
			.XX		SCALE :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

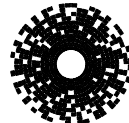
PACKING TRAY : 0200-9999-D4(TOP)

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.		
			TOL. IN INCH		AS REF.		
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	