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

RoHS

ELECTRICAL CHARACTERISTICS @ 25°C

## TURNS RATIO

TX

1CT : 1

RX

1CT : 1

## OCL @ 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-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

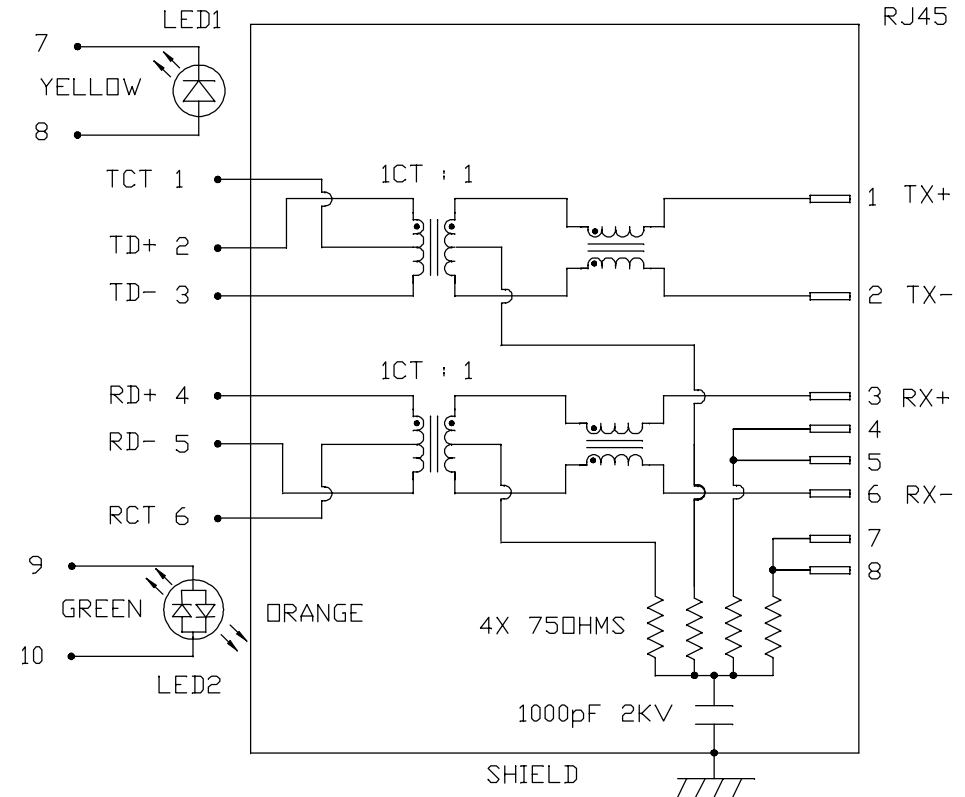
100 MHz

-40 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH  
IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE: 0°C TO +70°C.

SCHEMATIC

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 ORANGE 2.0V TYP.  
λD (DOMINANT WAVELENGTH) IF=20mA GREEN 2.2V TYP.  
ORANGE 605nm TYP.  
GREEN 570nm TYP.ORIGINATED BY  
CHOW WANCHUNG  
DATE 2017-03-06DRAWN BY  
XIE YIMING  
DATE 2017-03-06TITLE  
MagJack®  
(4 Cores, MDIX, CM Termination)  
08B0-1X1T-06-F

PART NO. / DRAWING NO.

08B01X1T06-F

FILE NAME

08B01X1T06-F\_F.DWG

STANDARD DIM.  
TOL. IN INCH

.X

.XX

.XXX

[ ] METRIC DIM.  
AS REF.

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

REV. : F

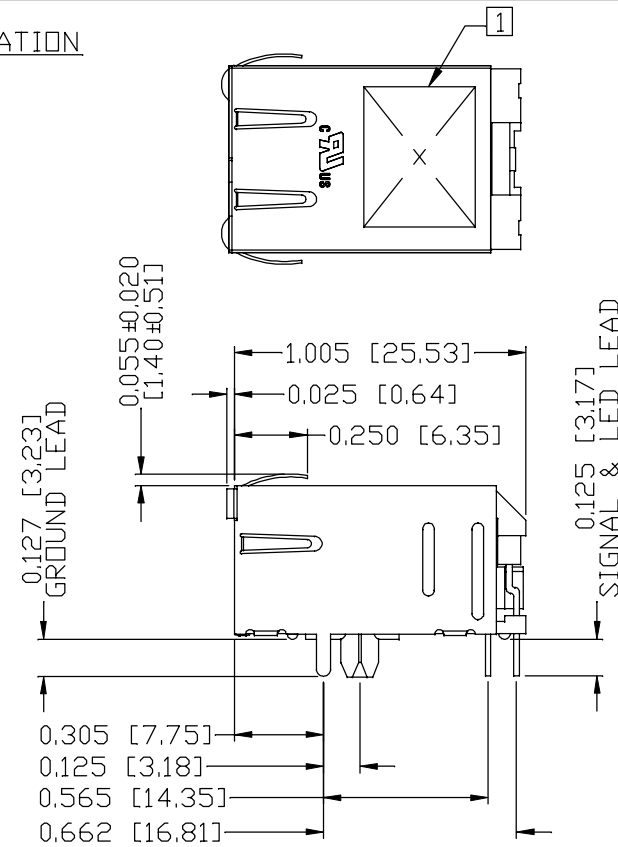
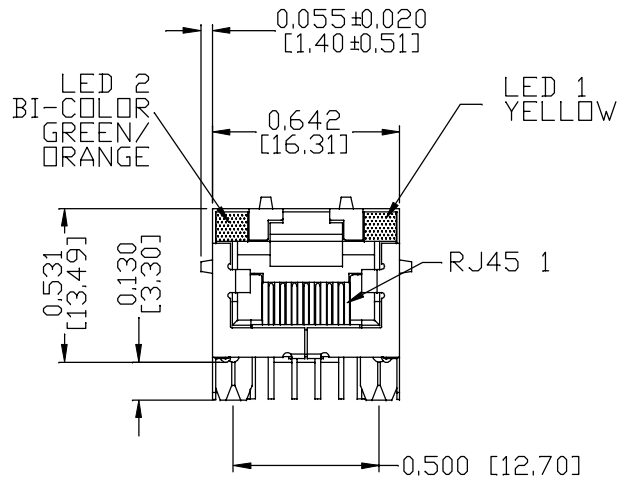
PAGE : 2

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SOLUTIONS  
a bel group

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## MECHANICAL SPECIFICATION

RoHS



## NOTES:

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

CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT

PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH,  
100 MICRO-INCH MIN MATTE TIN, PINS ARE SOLDER DIPPED.

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.




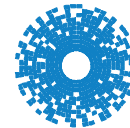
UL RECOGNIZED - FILE #E196366 AND E169987.

2. THE PRODUCT IS RoHS COMPLIANT.

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

5. THE PART IS RECOMMENDED FOR WAVE SOLDERING.  
THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS  
260°C MAX AND 10 SECONDS MAX.

ORIGINATED BY ANTON LIAO DATE 2017-03-06		TITLE  MagJack® (4 Cores, MDIX, CM Termination) 08B0-1X1T-06-F	PART NO. / DRAWING NO.  08B01X1T06-F		STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.	
DRAWN BY JESSE LI DATE 2017-03-06			FILE NAME  08B01X1T06-F_F.DWG		.X		UNIT : INCH [mm]	
					.XX		SCALE : N/A	
					.XXX		±0.010	
							SIZE : A4	

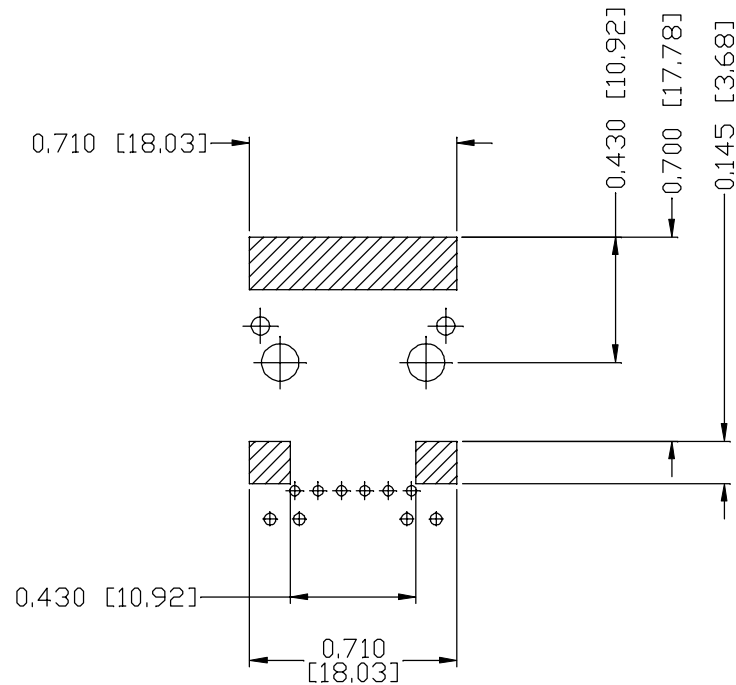


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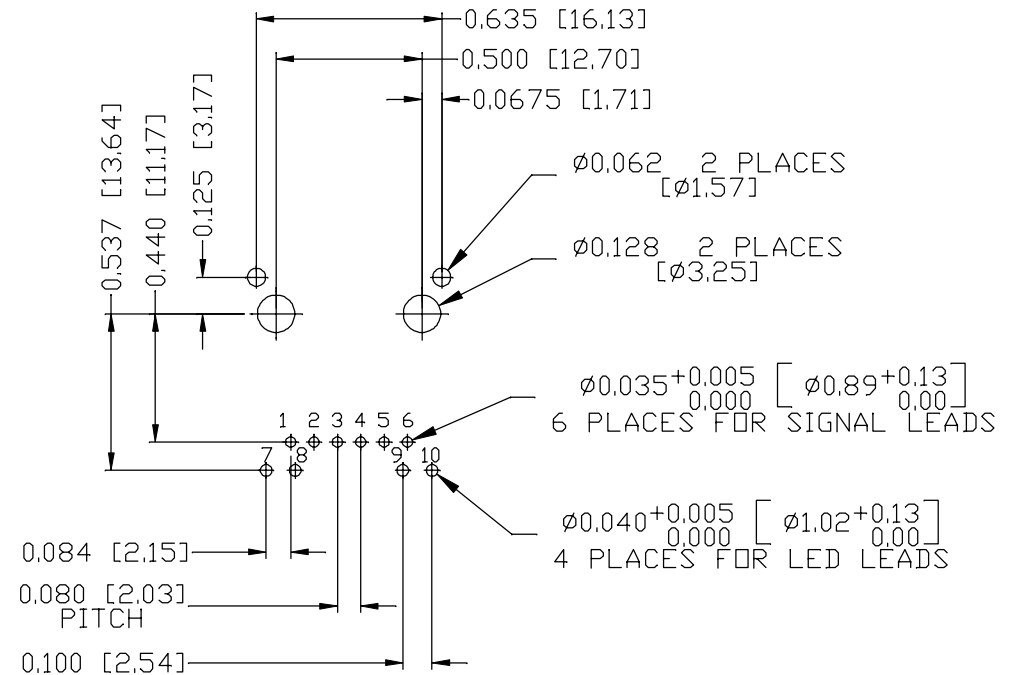
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RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW



NOTES:

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

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DRAWN BY  
JESSE LI  
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08B0-1X1T-06-F

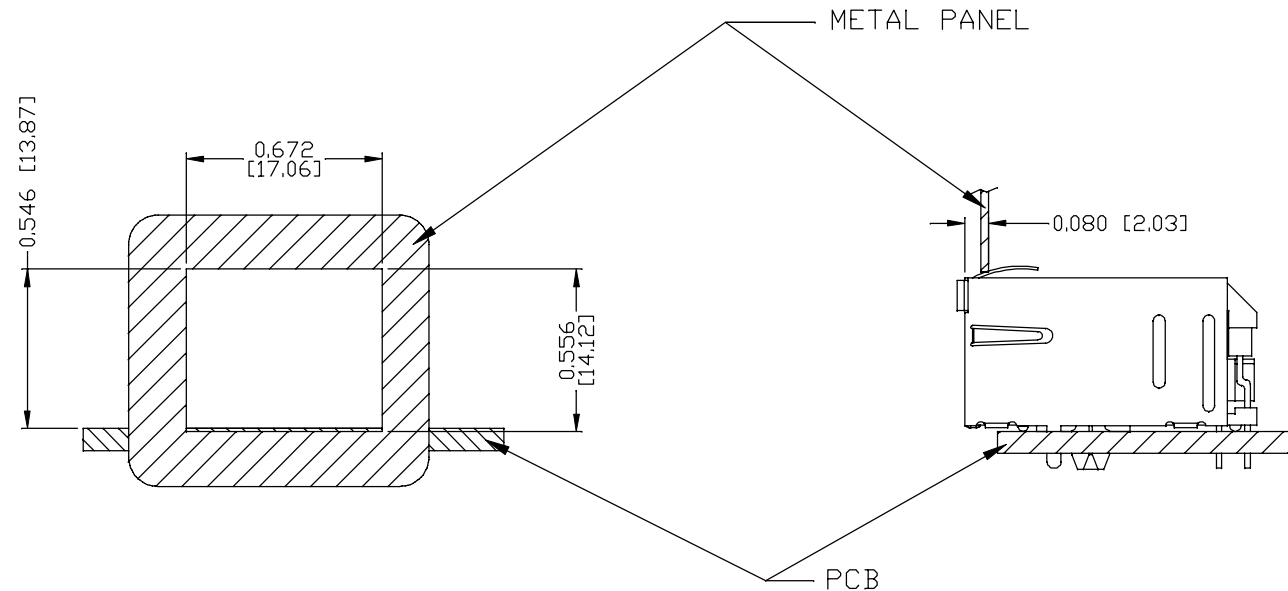
PART NO. / DRAWING NO.  
08B01X1T06-F  
FILE NAME  
08B01X1T06-F\_F.DWG

STANDARD DIM.  
TOL. IN INCH  
.X  
.XX  
.XXX  
±0.004  
[ ] METRIC DIM.  
AS REF.  
UNIT : INCH [mm]  
SCALE : N/A  
SIZE : A4

REV. : F PAGE : 4



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**RoHS**SUGGESTED PANEL OPENINGNOTE:

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. : F

PAGE : 5

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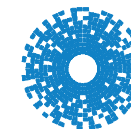
FILE NAME  
08B01X1T06-F\_F.DWG

STANDARD DIM.  
TOL. IN INCH

.X  
.XX  
.XXX

[ ] METRIC DIM.  
AS REF.

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



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