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

## SCHEMATIC



### ELECTRICAL CHARACTERISTICS @ 25°C

#### URNS RATIO

TX  
RX  
OCL @ 100kHz/100mVRMS  
8mA DC BIAS  
INS. LOSS

1CT : 1  
1CT : 1

350μH MIN.

-1.0 dB MAX

RET. LOSS (MIN)

-18 dB

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

-12 dB

CROSS TALK (TX - RX)

-70 dB MIN

-50 dB MIN

-45 dB MIN

-40 dB MIN

-35 dB MIN

CM TO CM REJ

-70 dB MIN

-47 dB MIN

-42 dB MIN

-37 dB MIN

-30 dB MIN

CM TO DM REJ

-70 dB MIN

-60 dB MIN

-50 dB MIN

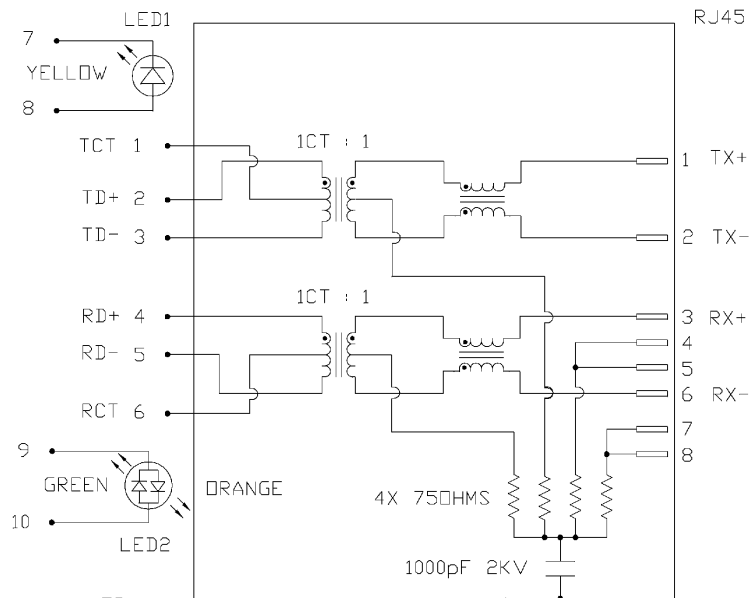
-45 dB MIN

-40 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms

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



VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.  
λ D (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.  
VF (FORWARD VOLTAGE) IF=20mA ORANGE 2.0V TYP.  
λ D (DOMINANT WAVELENGTH) IF=20mA GREEN 2.2V TYP.  
ORANGE 610nm TYP.  
GREEN 565nm TYP.

ORIGINATED BY	DATE
CHOU WANCHUNG	03-25-08
DRAWN BY	DATE
DENG PING	03-25-08

TITLE
MagJack® (4 Cores, MDIX, CM Termination)
08B0-1X1T-06-F

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

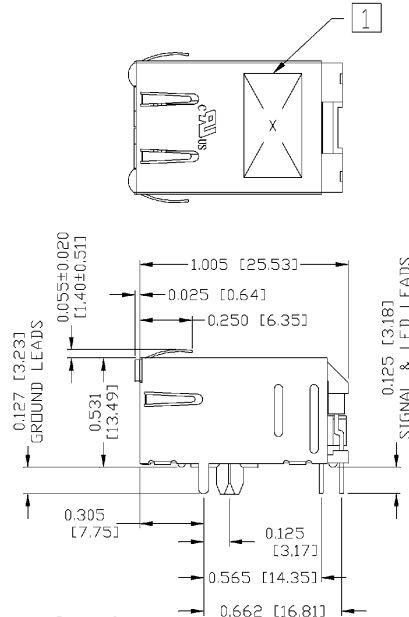
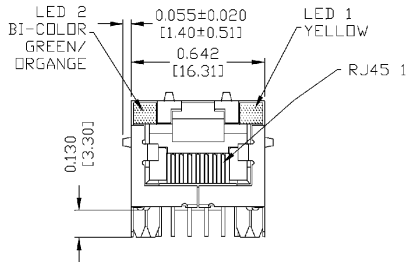
STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE
TOL. IN INCH	UNIT : INCH [mm]
.X	SCALE : N/A
.XX	SIZE : A4
.XXX	PAGE : 2



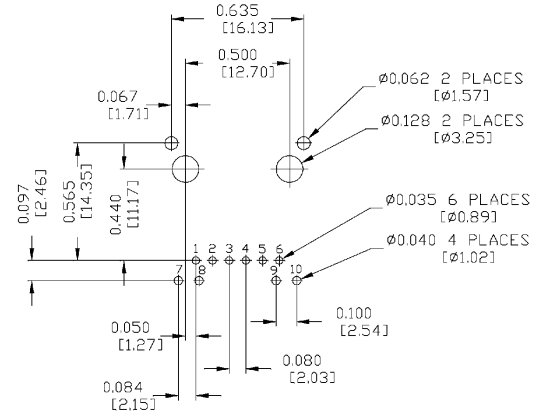
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# MECHANICAL SPECIFICATION



## RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



### NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
- FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING
- 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.

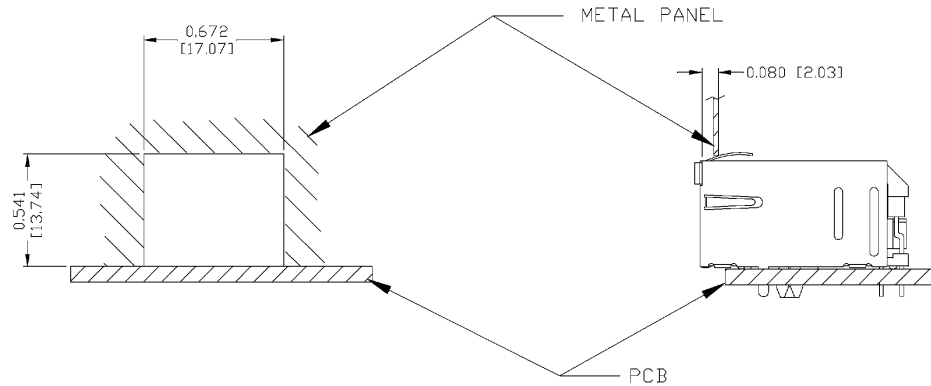
UL US UL RECOGNIZED - FILE #E196366 AND E169987.

2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	
CHEN BILL	03-25-08	MagJack®	08B01X1T06-F	.X	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.XX	SCALE : N/A	SIZE : A4
WEI SHAOYI	03-25-08	08B0-1X1T-06-F	08B01X1T06-F_B.DWG	.XXX ±0.010	PAGE : 3	



## 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
CHEN BILL	03-25-08	MagJack®	08B01X1T06-F		UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.X	SCALE : N/A SIZE : A4
WEI SHAOYI	03-25-08	08B0-1X1T-06-F	08B01X1T06-F_B.DWG	.XX	PAGE : 4
				.XXX ±0.010	

