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

RoHS 2002/95/EC

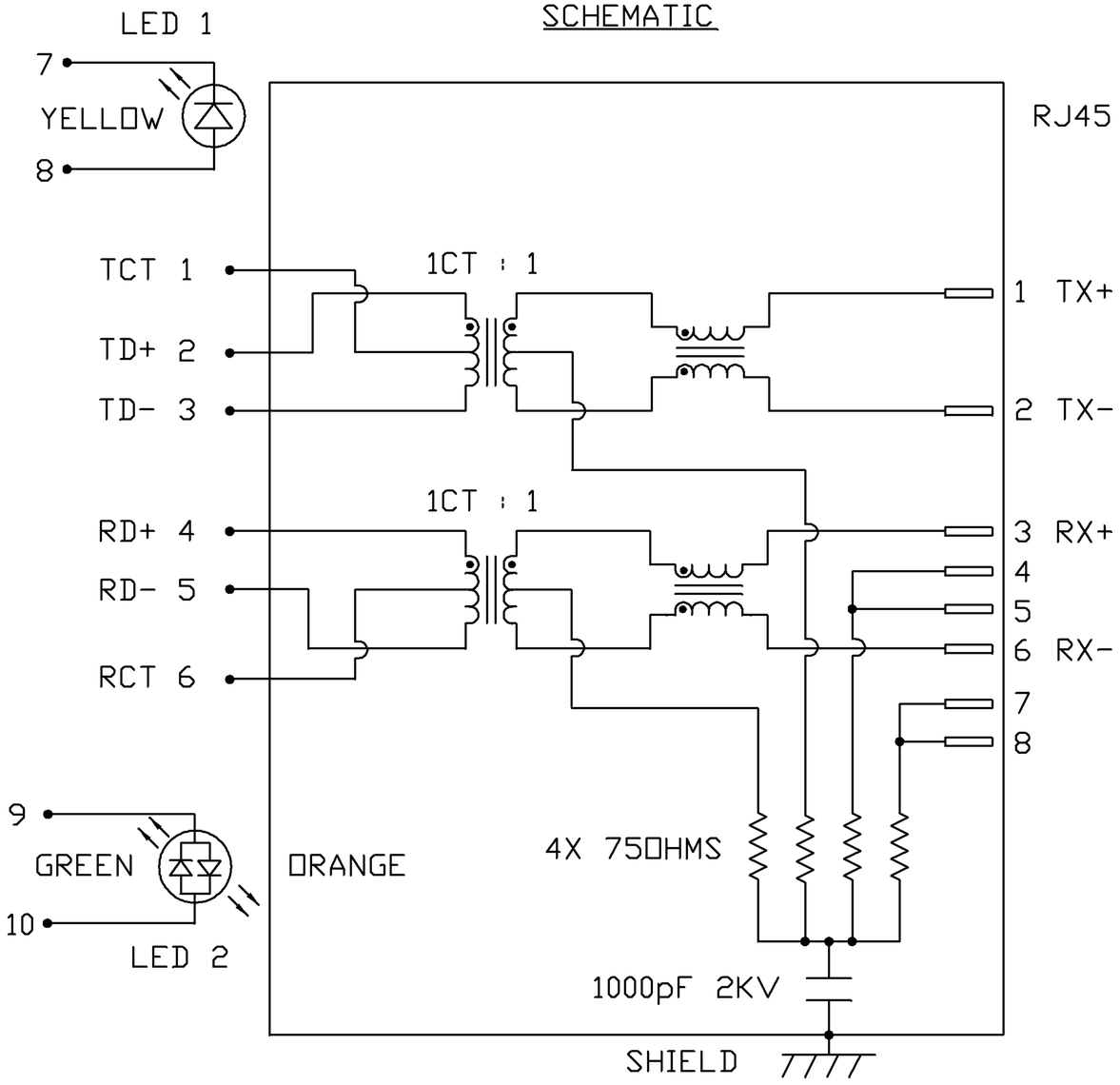
ELECTRICAL CHARACTERISTICS @ 25°C

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.

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	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
VF (FORWARD VOLTAGE)	IF=20mA	ORANGE	2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	ORANGE	610nm TYP.

SCHEMATIC



ORIGINATED BY: CHOW WANCHUNG	DATE: 06-30-08	TITLE: MagJack® (4 Cores, MDIX, CM Termination) 08B0-1XX1-06-F	PART NO. / DRAWING NO.: 08B01XX106-F
DRAWN BY: LI YONGFENG	DATE: 06-30-08		FILE NAME: 08B01XX106-F_B.DWG

STANDARD DIM. TOL. IN INCH	
.X	
.XX	
.XXX	

[ ] METRIC DIM. AS REFERENCE

UNIT : INCH [mm] | REV. : B

SCALE : N/A | SIZE : A4

PAGE : 2

bel COMPONENTS FOR A CONNECTED PLANET

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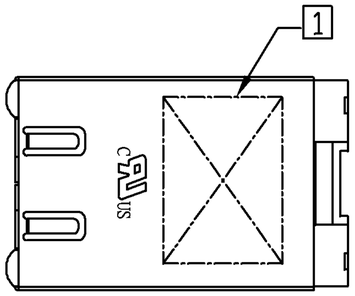
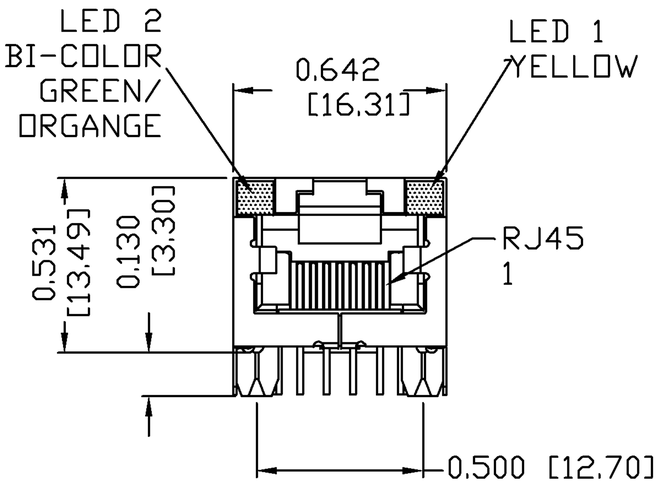
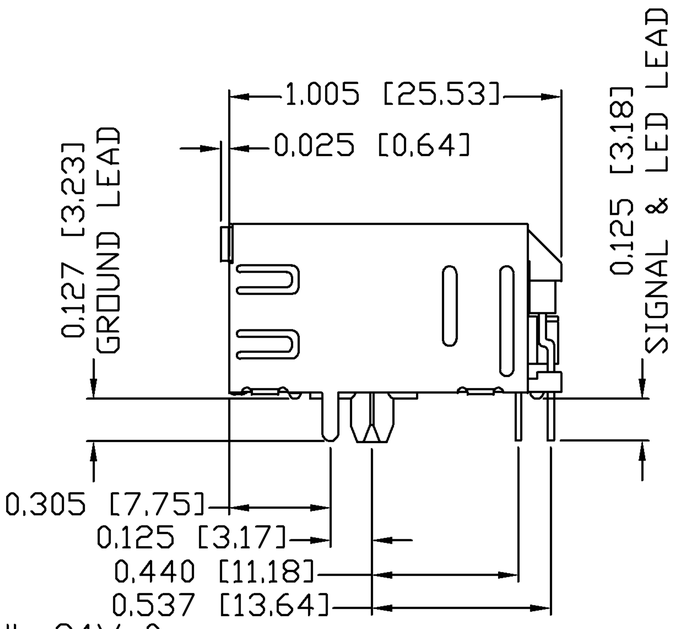
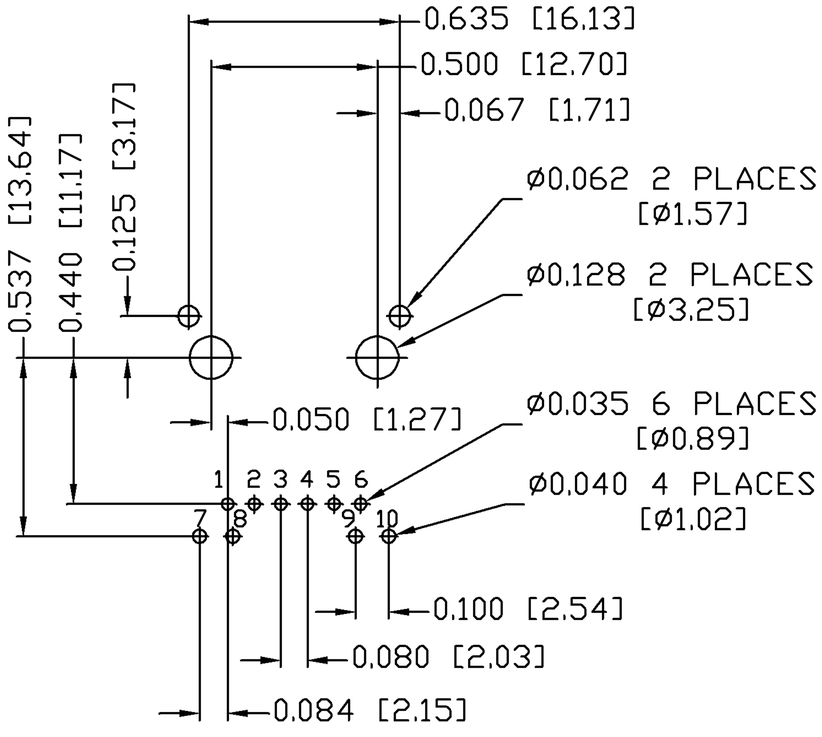
MECHANICAL SPECIFICATION







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.
(ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

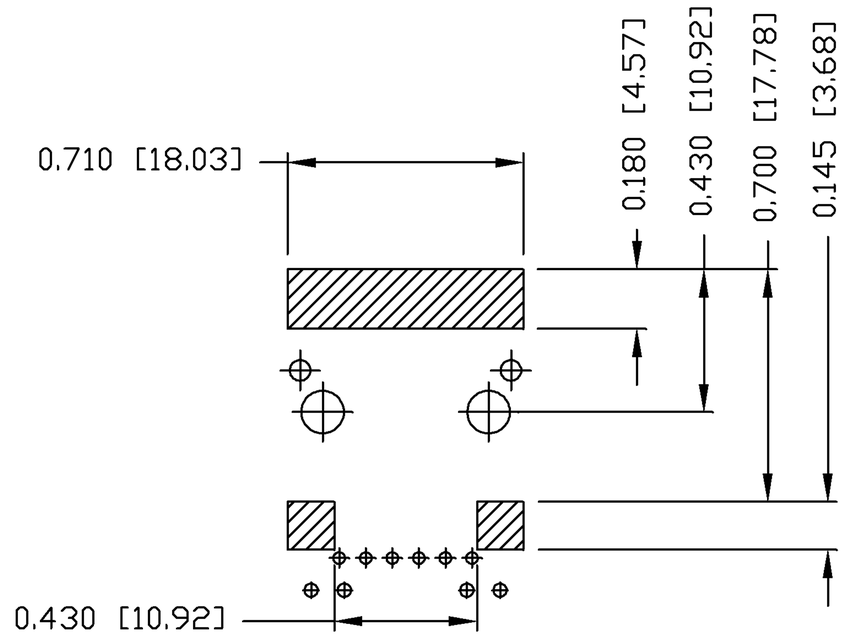
2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

c UL us UL RECOGNIZED - FILE #E196366 AND E169987.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
BILL CHEN	06-30-08	MagJack® (4 Cores, MDIX, CM Termination) 08B0-1XX1-06-F	08B01XX106-F	.X		UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
LIU QIN	06-30-08		08B01XX106-F_B.DWG	.XXX	±0.010		PAGE : 3

bel COMPONENTS FOR A CONNECTED PLANET

RoHS 2002/95/EC



NOTES:

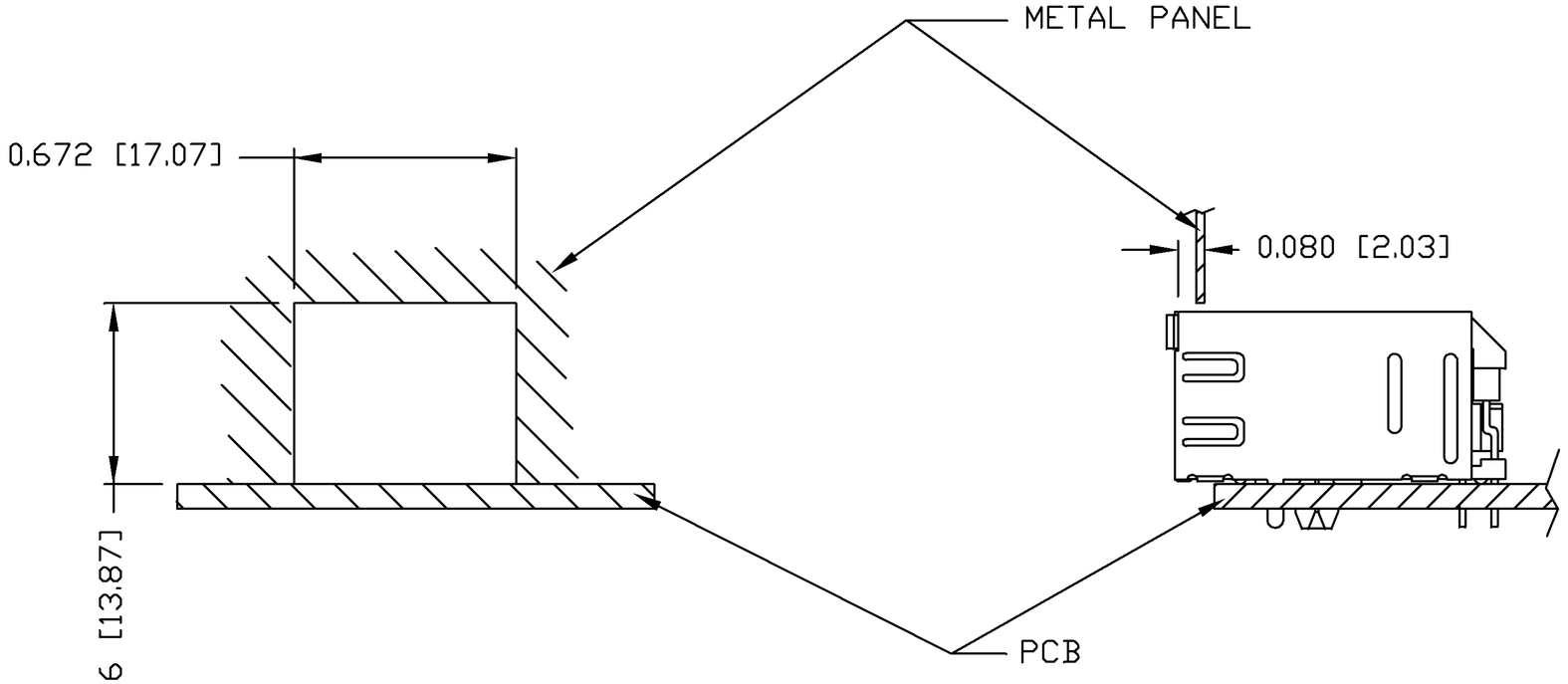
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY: CHEN BILL	DATE: 06-30-08	TITLE: MagJack® (4 Cores, MDIX, CM Termination) 08B0-1XX1-06-F	PART NO. / DRAWING NO.: 08B01XX106-F	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: LIU QIN	DATE: 06-30-08		FILE NAME: 08B01XX106-F_B.DWG		UNIT : INCH [mm] / REV. : B
					SCALE : N/A / SIZE : A4
					PAGE : 4

bel COMPONENTS FOR A CONNECTED PLANET

RoHS 2002/95/EC

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 TUBE : 0200-0149-01
PACKING QUANTITY : 30 PCS FINISHED GOODS PER TUBE
20 TUBES (600 PCS FINISHED GOODS) PER CARTON BOX

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
BILL CHEN	06-30-08	MagJack® (4 Cores, MDIX, CM Termination) 08B0-1XX1-06-F	08B01XX106-F	.X		UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
LIU QIN	06-30-08		08B01XX106-F_B.DWG	.XXX	±0.004		PAGE : 5

bel COMPONENTS FOR A CONNECTED PLANET