

ELECTRICAL CHARACTERISTICS @ 25°C

Turns Ratio

TX 1CT : 1

RX 1CT : 1

DCL @ 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):

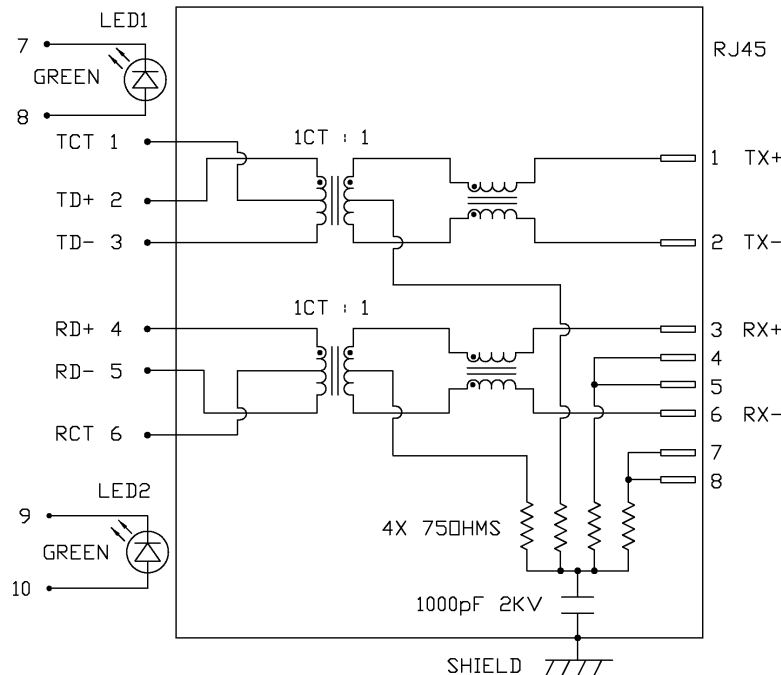
LED 1 & LED 2 1500 Vrms or 2250VDC

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

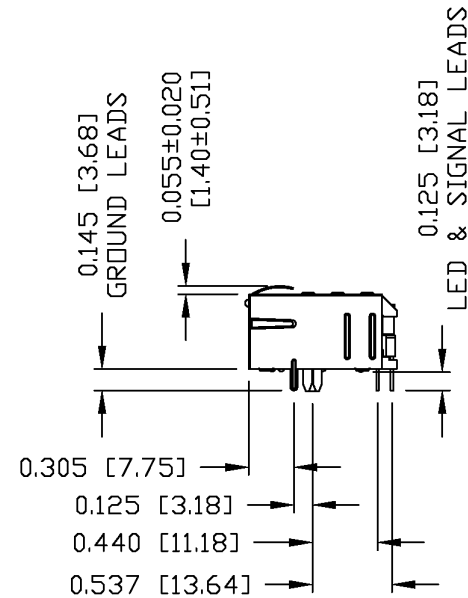
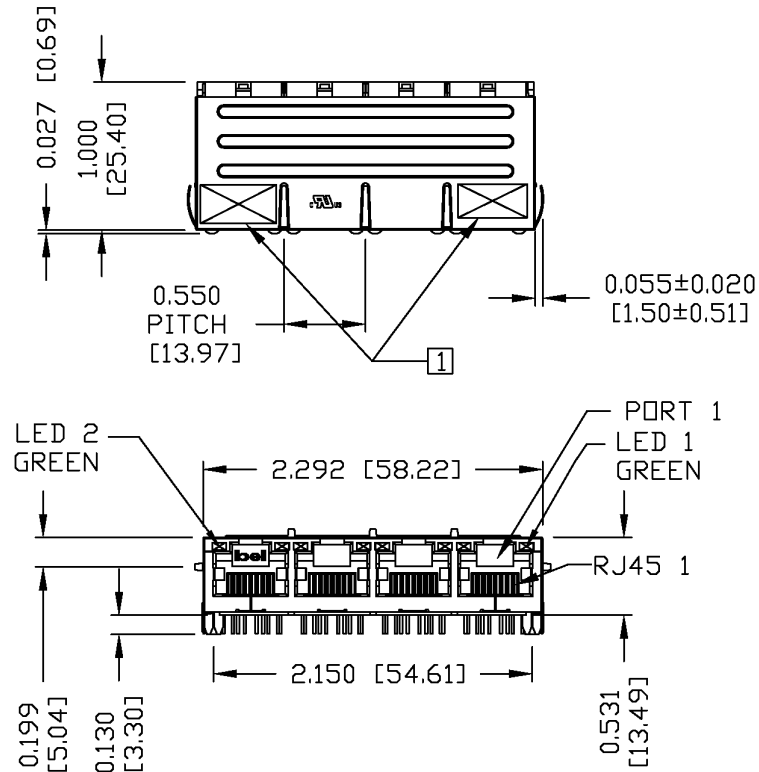
λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.

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

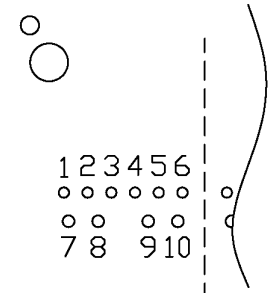
SCHEMATIC



ORIGINATED BY	DATE	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1G4T-36-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS OR A CONNECTED PLANET
CHUNG	06-16-06		08B01G4T36-F	TOL. IN INCH		UNIT : INCH [mm] REV. : A		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
DE	06-16-06		08B01G4T36-FA.DWG	.XX			PAGE : 2	
			.XXX					



PIN ASSIGNMENT - EACH PORT
COMPONENT SIDE VIEW



SCALE 2:1

NOTES:

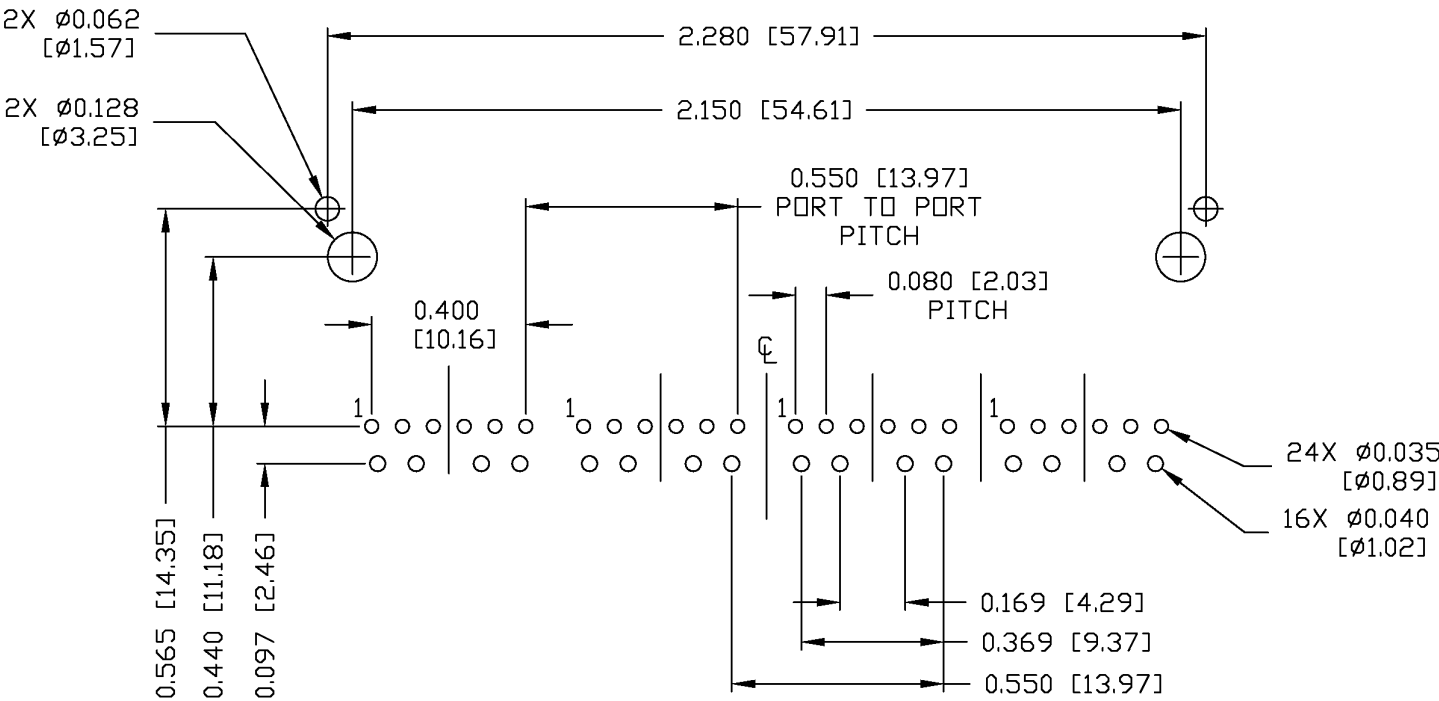
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

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

UL US UL RECOGNIZED - FILE #E196366 AND E169987.
RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

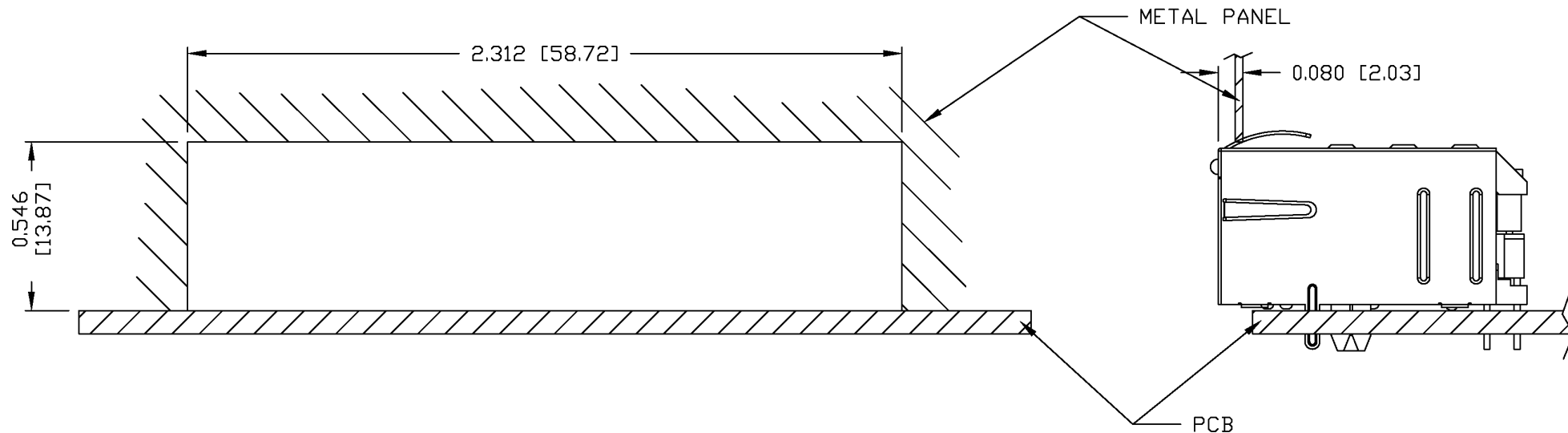
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
QIN/BILL	06-16-06	MagJack® (4 Cores, MDIX, CM Termination)	08B01G4T36-F	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	FILE NAME		.XX	SCALE : N/A SIZE : A4
TING	06-16-06	08B01G4T36-FA.DWG		.XXX ±0.010	PAGE : 3

RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



ORIGINATED BY QIN/BILL	DATE 06-16-06	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1G4T-36-F	PART NO. / DRAWING NO. 08B01G4T36-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : A
DRAWN BY TING	DATE 06-16-06		FILE NAME 08B01G4T36-FA.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 4

SUGGESTED PANEL OPENING



NOTES:

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

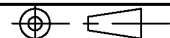
PACKING TRAY : 0200-0148-17

PACKING QUANTITY : 30 PCS FINISHED GOODS PER TRAY.

10 TRAYS (300 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.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
QIN/BILL	06-16-06	MagJack®	08B01G4T36-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.XX			PAGE : 5
				.XXX	±0.004		
TING	06-16-06	08B0-1G4T-36-F	08B01G4T36-FA.DWG				