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

RoHS
2002/95/EC

RJ45

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1
RX 1CT : 1

QCL @ 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

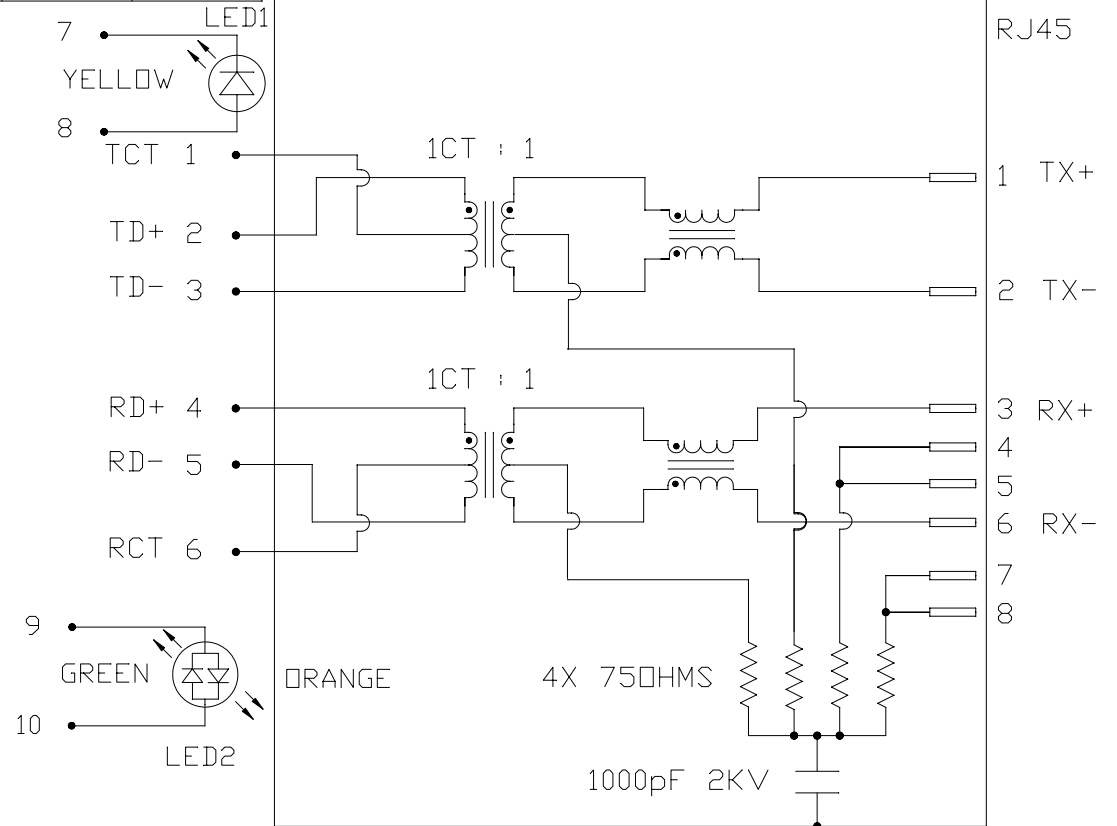
100kHz-1MHz -70 dB MIN
10 MHz -60 dB MIN
30 MHz -50 dB MIN
60 MHz -45 dB MIN
100 MHz -40 dB MIN

HIPOT (Isolation Voltage):

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

OPERATING TEMPERATURE:

-40°C TO 85°C



LED 1	VF (FORWARD VOLTAGE)	IF=20mA	YELLOW 2.1V TYP.
LED 1	λ D (DOMINANT WAVELENGTH)	IF=20mA	YELLOW 590nm TYP.
LED 2	VF (FORWARD VOLTAGE)	IF=20mA	ORANGE 2.0V TYP.
LED 2	λ D (DOMINANT WAVELENGTH)	IF=20mA	ORANGE 610nm TYP.
			GREEN 2.2V TYP.
			GREEN 565nm TYP.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	03-11-08	MagJack ® (4 Cores, MDIX, CM Termination Ext. Temp)	08B01X1T36-F	TOL. IN INCH	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
DENG PING	03-11-08		08B01X1T36-F_B.DWG	.XX	PAGE : 2
				.XXX	

bel
COMPONENTS FOR A
CONNECTED
PLANET

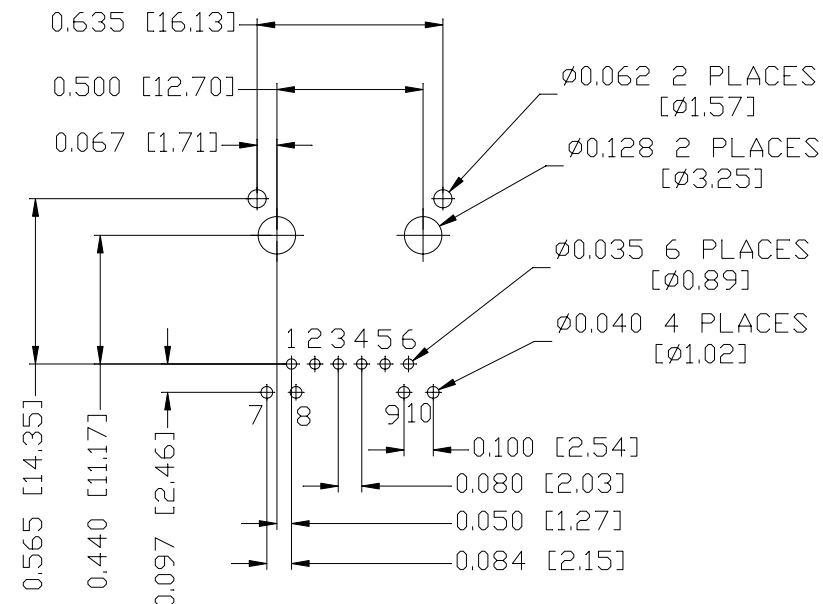
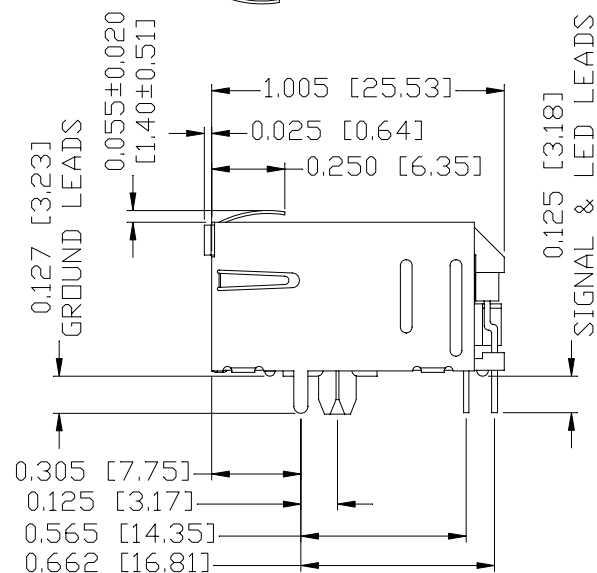
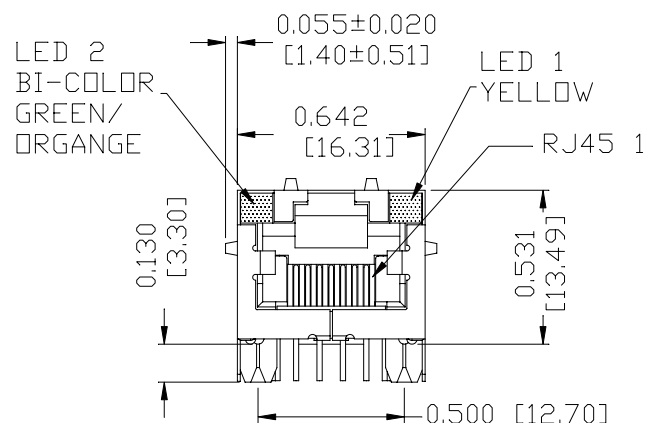
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MECHANICAL SPECIFICATION

RoHS
2002/95/EC



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 GROUNDLEADS ARE SOLDER DIPPED)

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

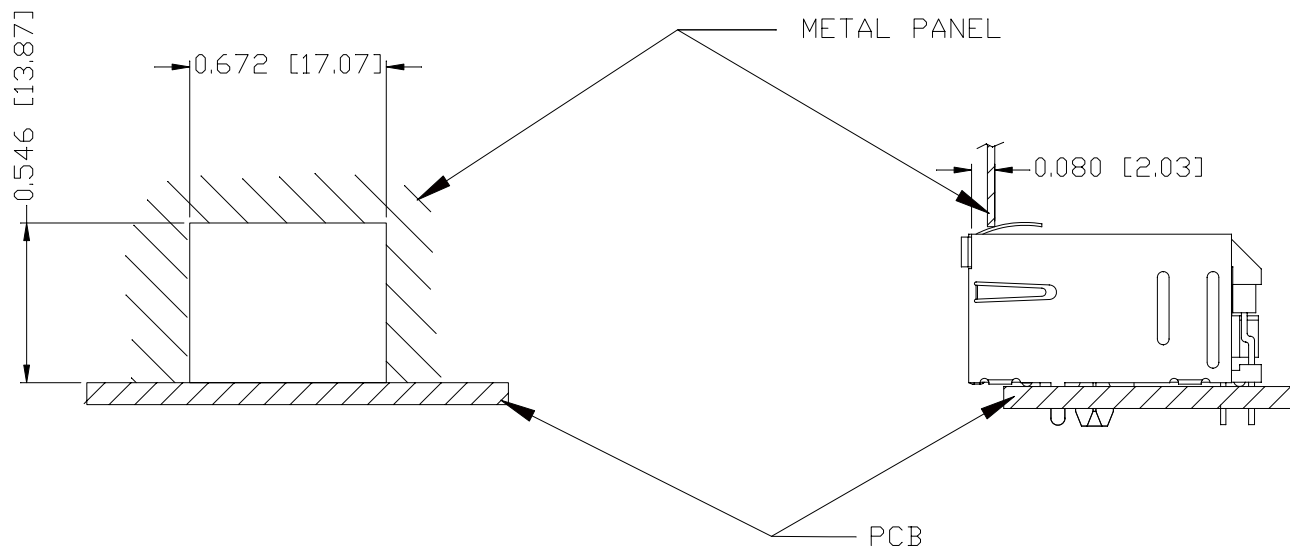
2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHEN BILL	03-11-08	MagJack® (4 Cores, MDIX, CM Termination EXT. Temp)	08B01X1T36-F	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	EXT. Temp)	FILE NAME	.XX	SCALE : N/A SIZE : A4
WEI SHAOYI	03-11-08	08B0-1X1T-36-F	08B01X1T36-F_B.DWG	.XXX ±0.010	PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET



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.		[] METRIC DIM. AS REFERENCE	
				TOL.	IN INCH	UNIT : INCH [mm]	REV. : B
CHEN BILL	03-11-08	MagJack® (4 Cores, MDIX, CM Termination Ext. Temp) 08B0-1X1T-36-F	08B01X1T36-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 4
WEI SHAOYI	03-11-08			.XXX	±0.004		