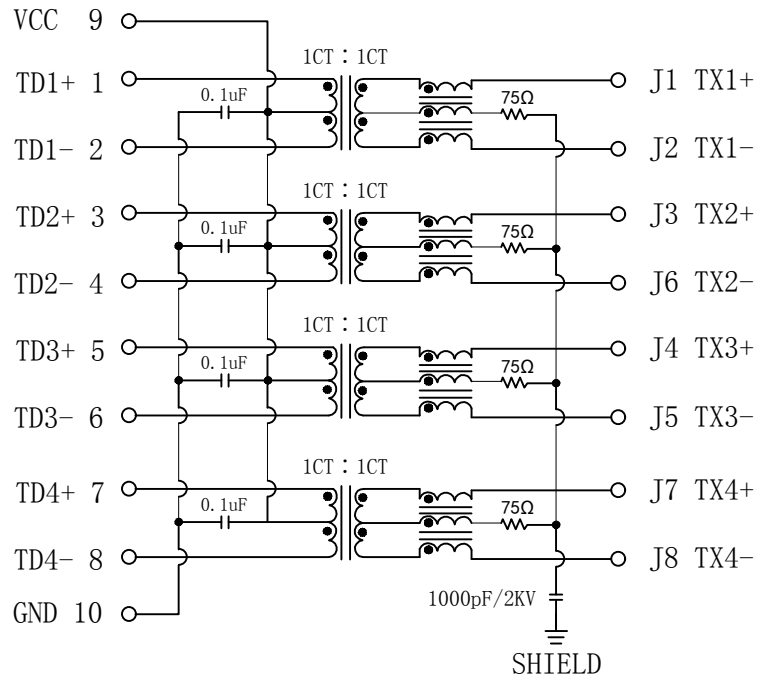


Schematic :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2011/11/25	

PCB CONNECTIONS

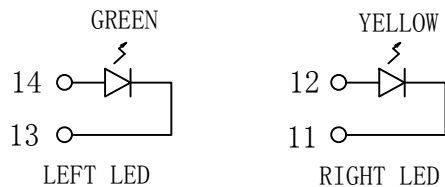


RJ45 CONNECTOR

Electrical Specifications @25°C

- Turns Ratio: 1CT : 1CT ±5%
- OCL: 350uH MIN
@ 100KHz, 100mV, 8mA DC Bias
- Insertion Loss:
1~125MHz: -1.2dB MAX
- Return Loss(dB MIN) :
1~30MHz: -18
30~80MHz: -18+20log(f/30MHz)
- Crosstalk(dB TYP) :
1~100MHz: -30
- Common to Common Mode Attenuation:
1~100MHz: -30dB TYP
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature: -40°C ~ +85°C.

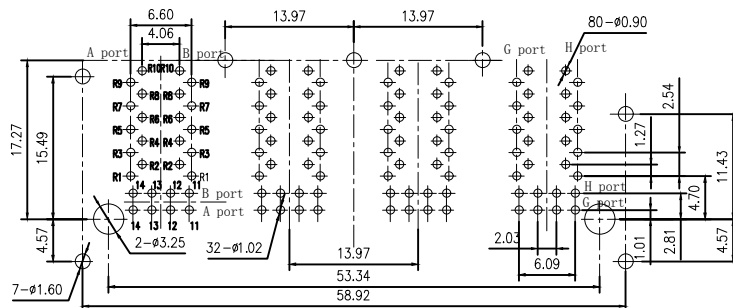
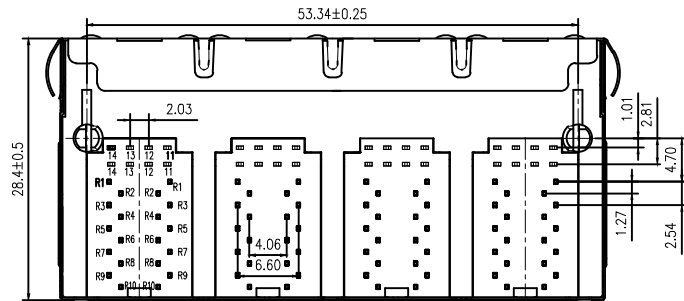
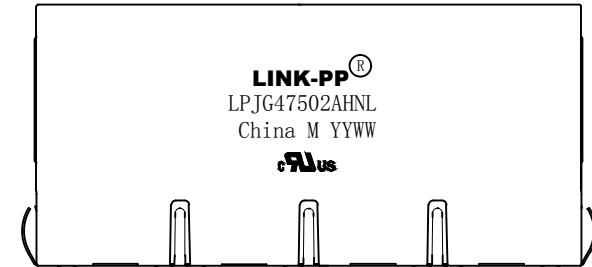
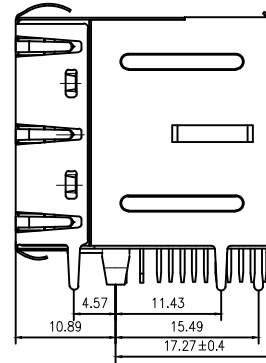
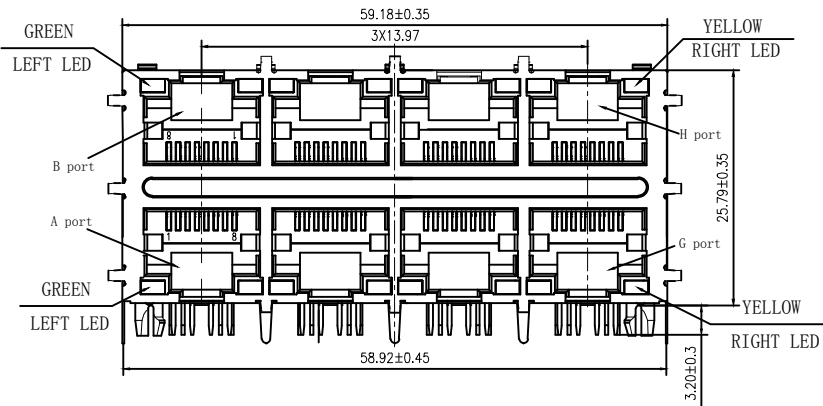
Emitting Color	λ_p (nm)	V _{F@I_F} =20mA	I _{R @V_R} =5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



X:X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD: JAMES	TITLE: RJ45 . Transformer. 1000 Base-T . 2×4	
X:XXX	±0.05	DR: LEO	PART NO. : LPJG47502AHNL	
ANGLES	±1°	UNIT: mm	PART NO. : LPJG47502AHNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP1112511

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2011/11/25	



PCB BOARD LAYOUT

NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
Housing: Thermoplastic PBT UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 250°C, 5 Sec.
5. Durability : 750 cycles generally
6. UL Certification: File Number E484635.



X:X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD: JAMES	TITLE: RJ45 .Transformer.1000 Base-T . 2×4	
X:XXX	±0.05	DR: LEO	PART NO. : LPJG47502AHNL	
ANGLES	±1°	UNIT: mm	DWG NO. : LP11112511	
	SCALE: 2/1	SHEET: 2/2	REV: A	