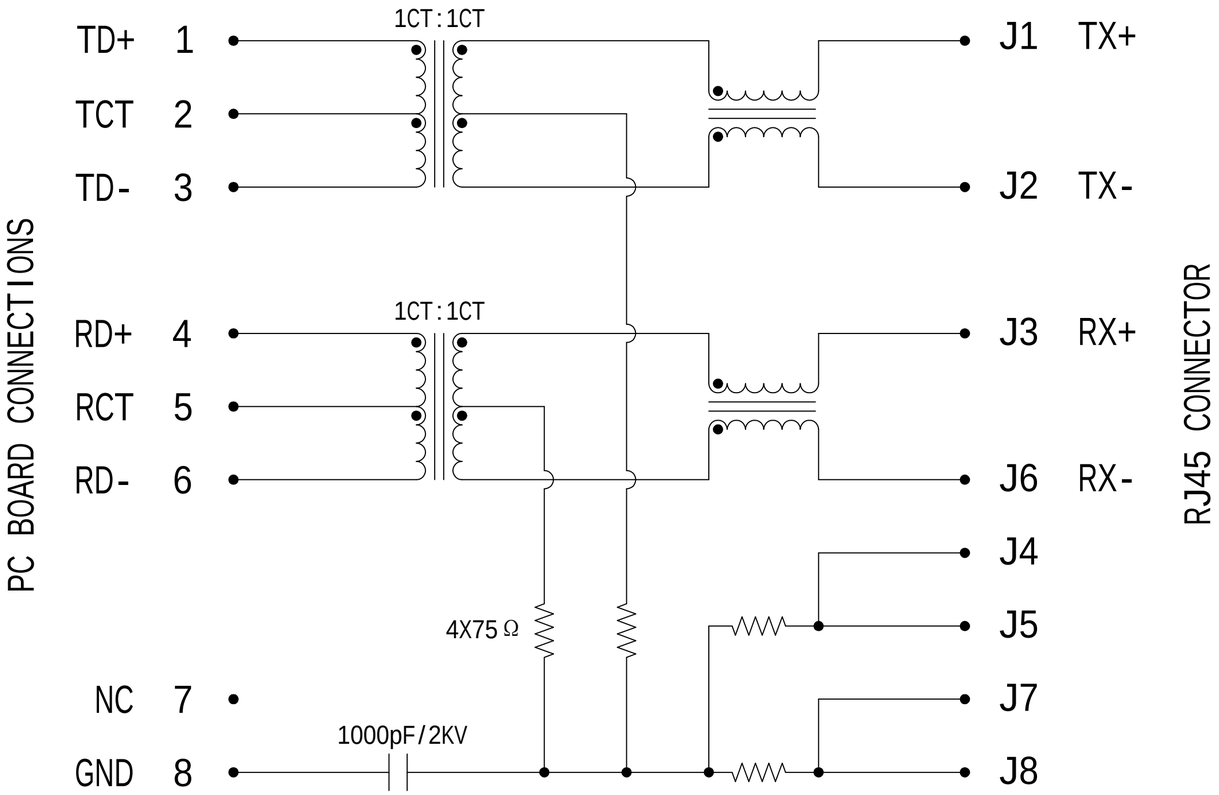
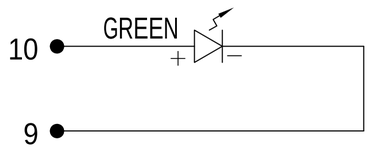
Schematic:



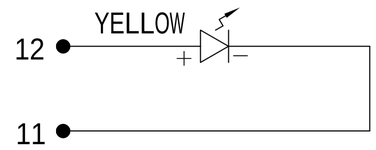
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2023-07-10	

ELECTRICAL SPECFICATIONS @25℃

1.Turn Ratio: 1CT:1CT±5%
2.OCL: 350uH Min @100KHz,0.1V,8mA DC Bias
3.Insertion Loss (dB Max):
  1-100MHz: -1.2
4.Return Loss(dB Min):
  1-30MHz: -16 30-60MHz: -12
  60-80MHz: -10 80-100MHz: -8
5.Cross Talk(dB Min):
  1-100MHz: -30
6.Common Mode Rejection(dB Min):
  1-100MHz: -30
7.Isolation PHY SIDE To Line SIDE : 1500Vrms
8.Operating Temperature Range: -40℃～+85℃.



LEFT LED



RIGHT LED

EMITTING COLOR	λp(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10μA max
YELLOW	585	1.8~2.6V	10μA max

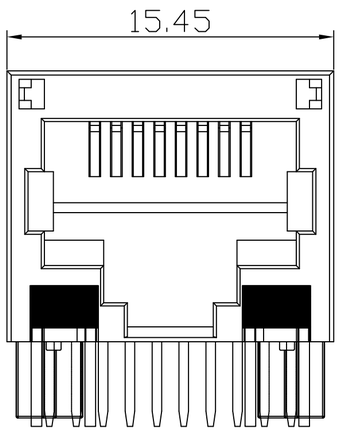
RoHS 2011/65/EU

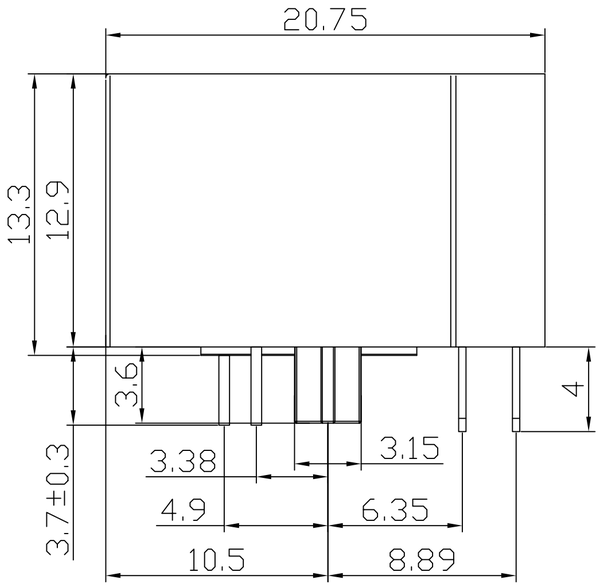
X.X ±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X.XX ±0.25	CHKD: JAMES	TITLE: RJ45 CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITHOUT SHIELD & WITH LED		
X.XXX ±0.15	DR: JULY			
ANGLES ±1°	UNIT: mm	PART NO.: LPJ4012XHNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP23071030

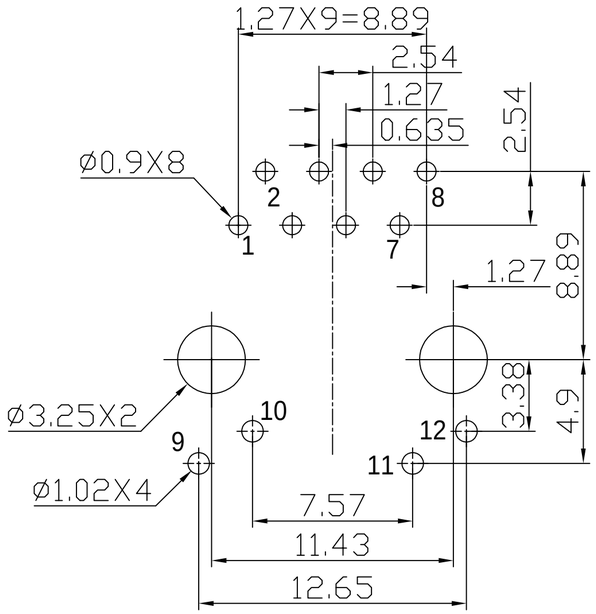
LINK-PP Website: http://www.link-pp.com Email: info@link-pp.com Tel: +86-0752-3322916 Fax: +86-0752-3161926

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2023-07-10	



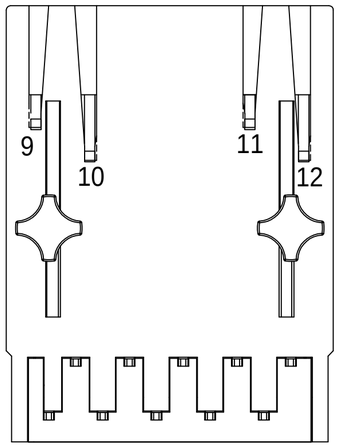




RECOMMENDED PCB LAYOUT(TOP VIEW)

NOTES:

1. Designed to support application,such as SOHO(ADSL modems),LAN-on-Motherboard(LOM),hub and Switches.
2. Meets IEEE802.3 specification.
3. Connector Materials:
   Housing: Thermoplastic PBT+30%G.F Black UL94V-0
   Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
   Pins: Brass C2680R-H Thickness=0.35mm
   Contact plating: Gold 6 micro-inches min.In contact area.
4. Wave solder tip temperature and time: 250℃,5 Sec.
5. UL Certification: File Number E484635.



LINK-PP®
LPJ4012XHNL
China M YYWW
cULus

RoHS 2011/65/EU

X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X.XX	±0.25	CHKD: JAMES	TITLE: RJ45 CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITHOUT SHIELD & WITH LED		
X.XXX	±0.15	DR: JULY			
ANGLES	±1°	UNIT: mm	PART NO.: LPJ4012XHNL		
		SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP23071030