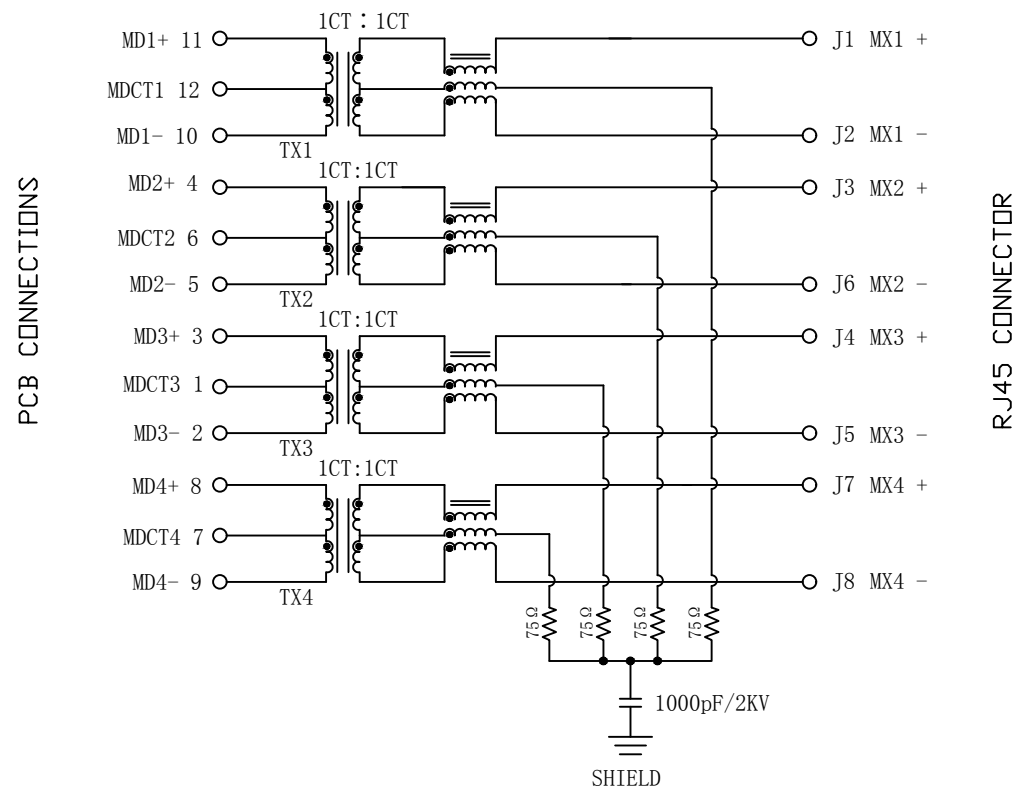
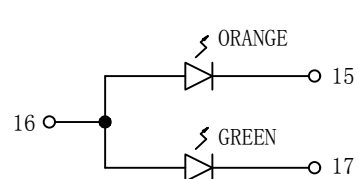


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2012/03/15	

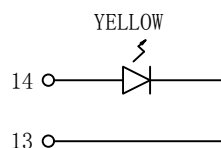


- Electrical Specification @25°C
- Turns Ratio ($\pm 2\%$) : 1CT:1CT
 - OCL: 350uH Min @100KHz/100mVrms
8mA DC Bias (0°C~70°C)
 - Insertion Loss(dB Max):
0.5~100MHz:-0.8
100~125MHz:-1.2
 - Return Loss(dB Min @100 OHMS $\pm 15\%$):
0.5~40MHz:-18
50~100MHz:-12-20LOG(f/80MHz)
 - Crosstalk(dB Min):
0.5~40MHz:-35
40~100MHz:-33-20LOG(f/50MHz)
 - Common Mode Rejection Ratio:
0.5~100MHz:-30dB Min
 - Isolation PHY SIDE To Line SIDE : 1500Vrms
 - Operating Temperature: 0°C~70°C.



LEFT LED

LED POLARITY			COLOR
PIN 15	PIN 16	PIN 17	
-	+	/	ORANGE
/	+	-	GREEN



RIGHT LED

LED POLARITY		COLOR
PIN 13	PIN 14	
-	+	YELLOW

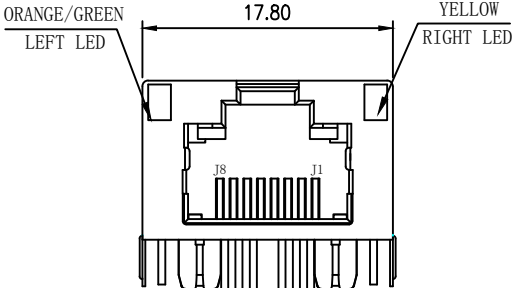


Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
ORANGE / GREEN	610 / 570	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

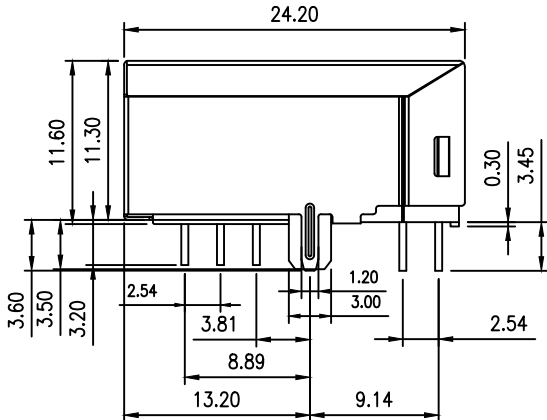
X:X	± 0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD: JAMES		
X:XXX	± 0.05	DR: LEO	TITLE: RJ45 Connector With 1000 Base-TX Integrated Magnetic	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJK7003B98NL	
SCALE: 2/1		SHEET: 1/2	REV: A6	DWG: LP12031509

Mechanical:

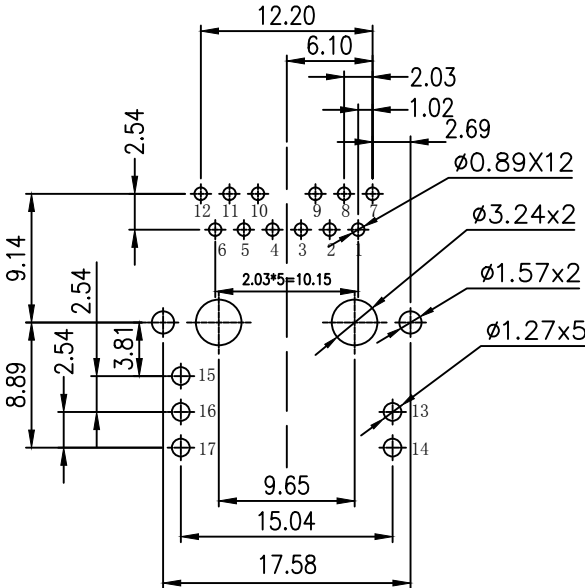
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2012/03/15	



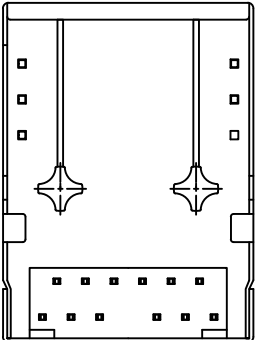
Front Side View



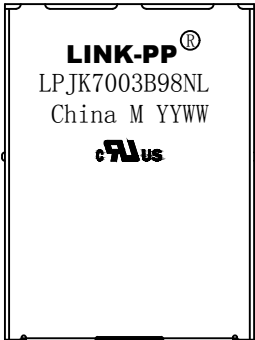
Left Side View



Suggested PCB Layout (Top View)



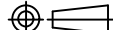
Bottom Side View



Top Side Vie

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
 - Shield: SUS 304-1/2H Thickness=0.2mm
 - Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 250°C, 5 Sec.
5. UL Certification: File Number E484635.

X:X	±0.30	APPD:	TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED				
X:XX	±0.25	CHKD:	JAMES					
X:XXX	±0.05	DR:	LEO	TITLE: RJ45 Connector With 1000 Base-TX Integrated Magnetic				
ANGLES	±1°	UNIT:	mm	PART NO. : LPJK7003B98NL				
	SCALE:	2/1	SHEET:	2/2	REV:	A6	DWG:	LP12031509

