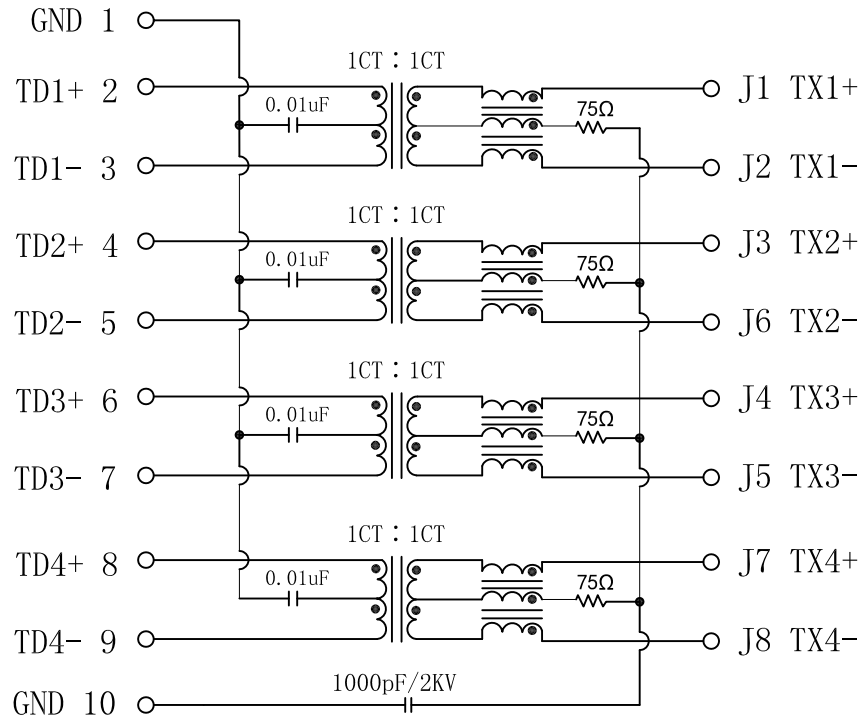


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2016/03/01	

PCB CONNECTIONS

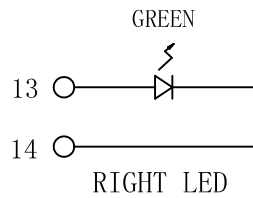
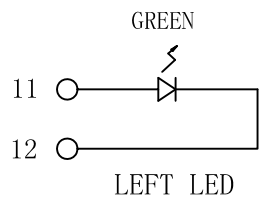


RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio($\pm 2\%$):
1CT:1CT
- Inductance OCL: 350uH MIN
@100KHz, 0.1V, 8mA DC Bias
- Insertion Loss:
-1.0dB MAX @ 1.0-65MHz
- Return Loss:
-18dB MIN @ 1-40MHz
-14dB MIN @ 60MHz
-12dB MIN @ 80MHz
-10dB MIN @ 100MHz
- Cross talk:
-40dB MIN @ 1-30MHz
-35dB MIN @ 30-60MHz
-30dB MIN @ 60-100MHz
- Common Mode Rejection:
-30dB MIN @ 1-50MHz
-20dB MIN @ 50-150MHz
- Hipot Test: 1500Vrms MIN
- Operating Temperature Range: -40°C TO +85°C.

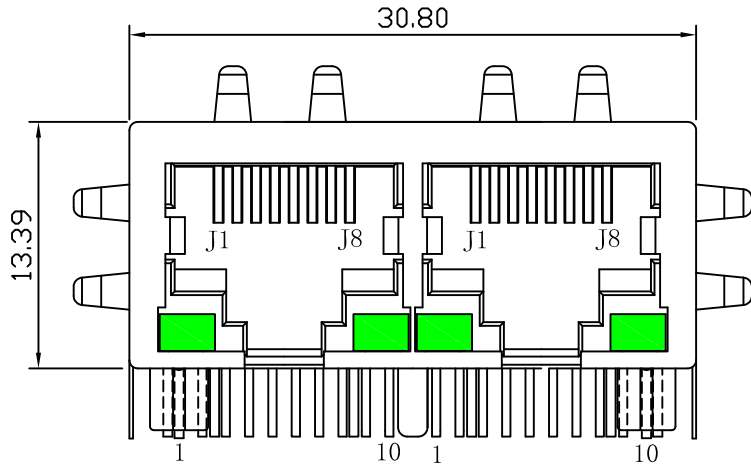
Emitting Color	λ p(nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max



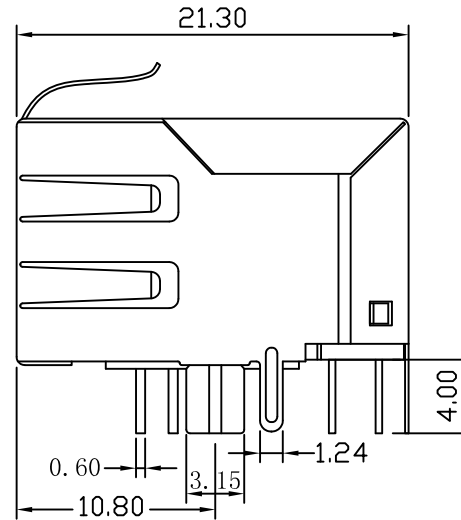
X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:	TITLE: 1x2 RJ45 Connector with 1000 Base-TX Integrated Magnetic	
X:XXX	± 0.05	DR: TOM	PART NO.: LPJG26918AFNL	
ANGLES	$\pm 1^\circ$	UNIT: mm	DWG NO.: LP16030101	
	SCALE: 2/1	SHEET: 1/2	REV: A	

Mechanical:

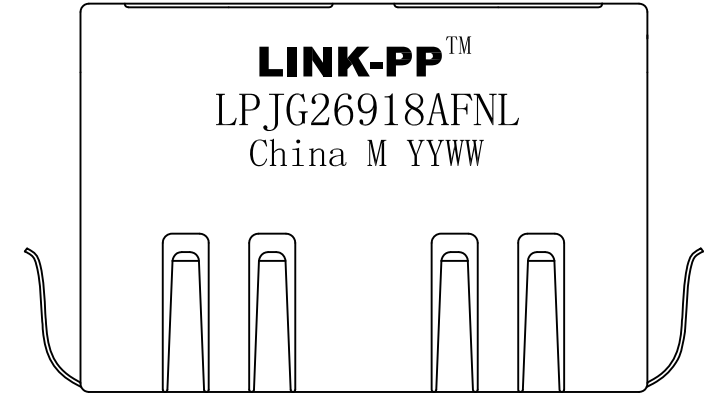
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2016/03/01	



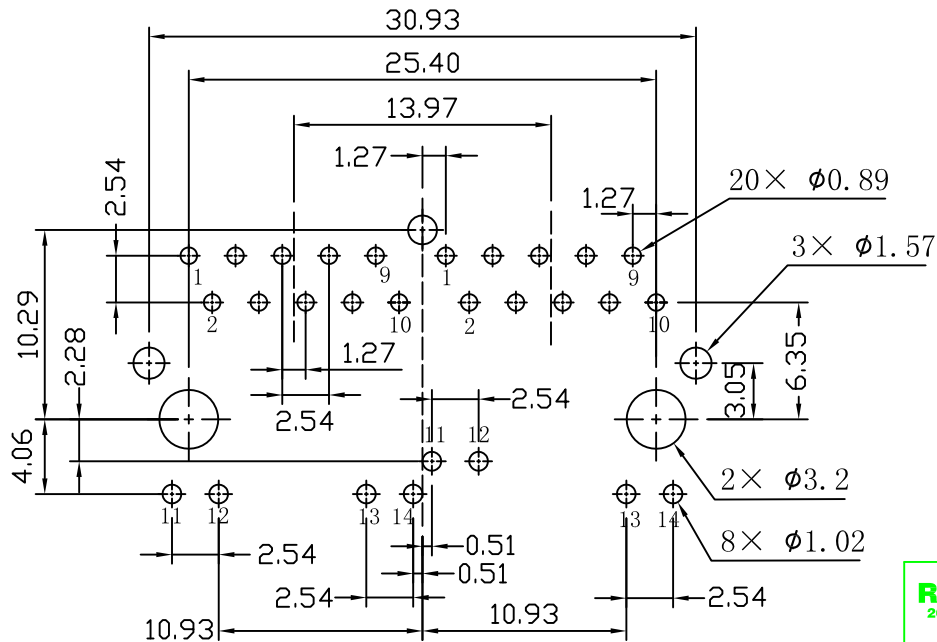
Front Side View



Left Side View



Top Side View



Suggested PCB Layout (Top View)

NOTES:

- Meets IEEE 802.3 specification
- Connector Materials:
 - Housing Material: Thermoplastic PA46+30%G.F UL94V-0
 - Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm
 - Pins: Brass C2680R-H Thickness=0.35mm
 - Shield: SUS 201-1/2H Thickness=0.2mm
 - Contact plating: Gold 6 micro-inches min. In contact area.
- Wave solder tip temperature: 265°C Max, 5 Sec Max



X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX ±0.25	CHKD:	
X:XXX ±0.05	DR: TOM	TITLE: 1×2 RJ45 Connector with 1000 Base-TX Integrated Magnetic
ANGLES ±1°	UNIT: mm	PART NO.: LPJG26918AFNL
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO.: LP16030101