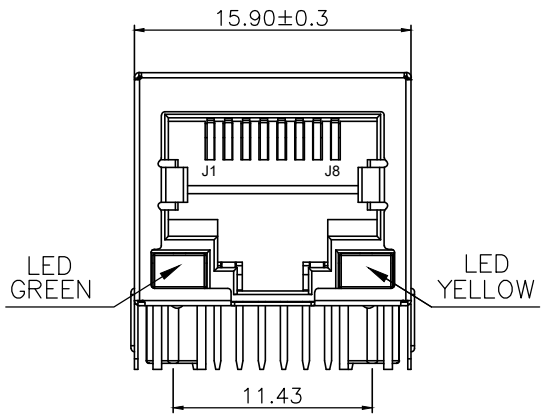
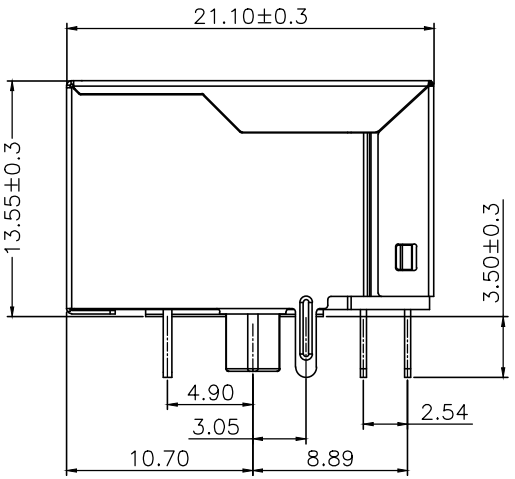
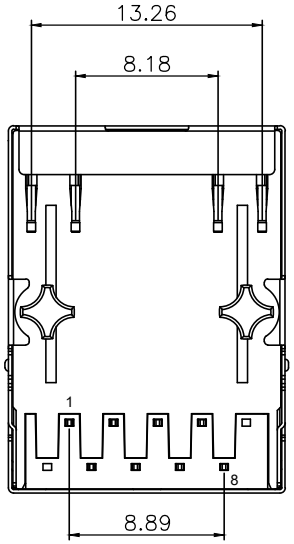
ROHS

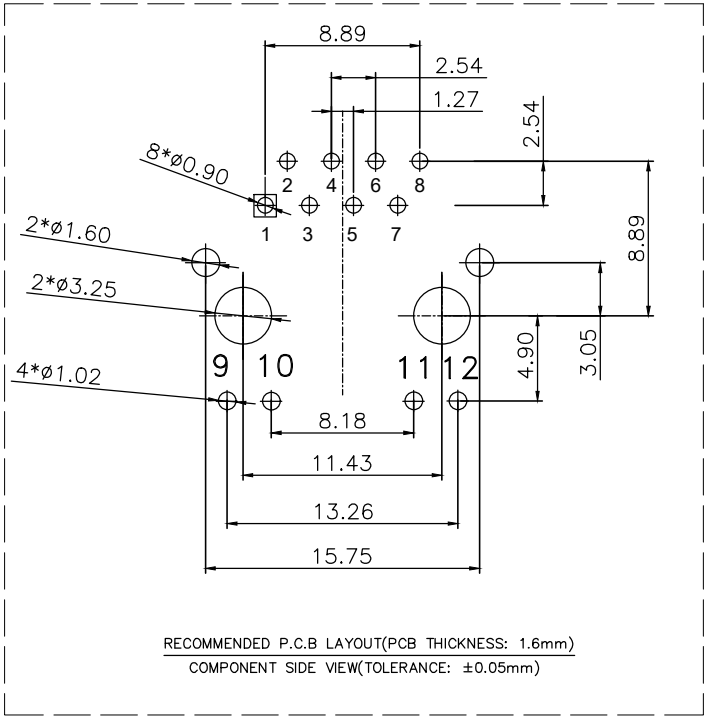
REV.	ECN NO.	DESCRIPTION	DRAW	DATE





Connect Material:
1.Housing: Thermoplastic, PBT,UL94V-0, Color: Black;
2.Insert: Thermoplastic, PBT,UL 94V-0, Color: Black;
3.Shield: Brass T=0.2mm, 20u" Min Nickel Overall Plated;
4.Input Terminal: Brass T=0.35mm,40u" Min Ni UnderPlated Overall,80u" Min Tin On Solder Area;
5.RJ45 Terminal: Phosphor Bronze T=0.35mm, 40u" Min Ni UnderPlated Overall, 80u" Min Tin On Solder Area; Selective 6u" Gold Plated On Contact Area;





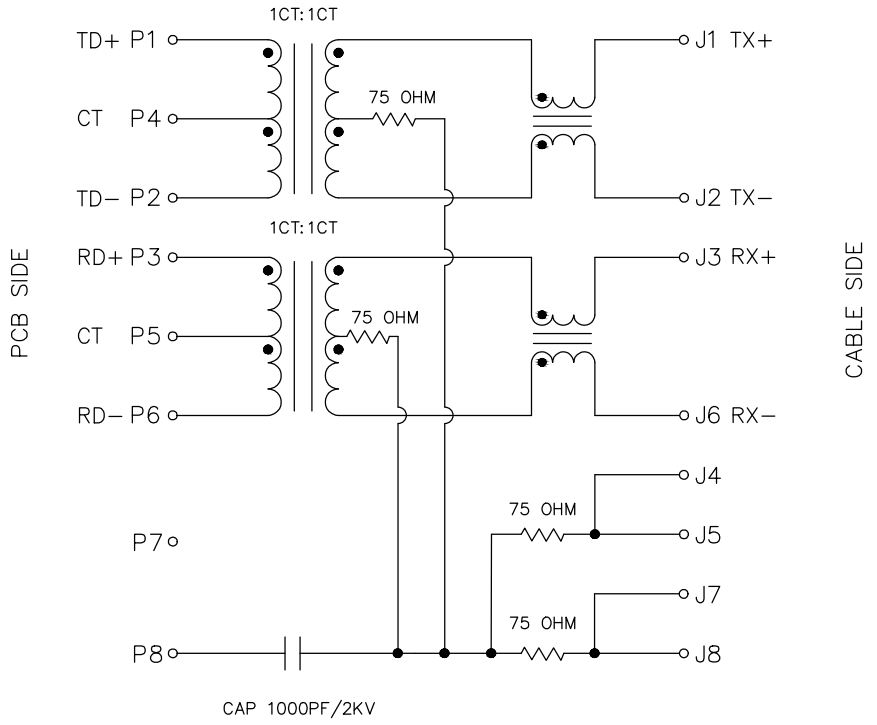
RECOMMENDED P.C.B LAYOUT(PCB THICKNESS: 1.6mm)
COMPONENT SIDE VIEW(TOLERANCE: ±0.05mm)

COSTOMER DRAWING		深圳市莱联电子有限公司 SHENZHEN LAILIAN ELECTRONICS CO.,LTD	
DRAWING			
CHECKED			
APPROVED			
TOLERANCES ARE		TITLE: RJ45 1X1 Tab Down 100M带壳无弹左绿右黄	REV.: A
30-150 ±0.35 / 10-30 ±0.2 / 5-10 ±0.15 / 0-5 ±0.1	ANGLE ±3°	PART NO.: LAIL-RJ45-LED2-BY-01-WC	UNITS: mm
		DWG. NO.:	Projection

ROHS

REV.	ECN NO.	DESCRIPTION	DRAW	DATE

SCHEMATICS



ELECTRICAL SPECIFICATIONS@25°C UNLESS OTHERWISE NOTED:

1.Turn Ratio(+/-5%): 1CT:1CT
2.Inductance OCL: 350uH Min @100KHz/0.1V/ 8mA DC Bias
3.Insertion Loss:
  -1.0dB Max 1-100MHz
4.Return Loss:
  -18dB Min 1-30MHz
  -15dB Min 30-60MHz
  -12dB Min 60-80MHz
  -10dB Min 80-100MHz
5.Cross talk:
  -30dB Min 1-100MHz
6.Common Mode Rejection:
  -30dB Min 1-100MHz
7.Hipot Test: (pcb side to cable side)
  2250VDC 3S 1mA Max
8.Operating Temperature Range: -40°C ~ +85°C
9.Storage Temperature Range: -40°C ~ +85°C
10.The Part Is Recommendded For Wave Soldering Process .
11.RJ45 Meets IEEE 802.3 Standards.
12.RJ45 Cavities Conform To FCC Rules And Regulation Part 68 Subpart F.
13.LED Specification:

Emitting Color	λd(nm)typ	Vf@If=20mA	Ir@Vr =5V
GREEN	565nm	1.8-2.4V	10uA Max
YELLOW	585nm	1.8-2.4V	10uA Max



COSTOMER DRAWING	LAILAN 深圳市莱联电子有限公司 SHENZHEN LAILIAN ELECTRONICS CO.,LTD		
DRAWING			
CHECKED			
APPROVED			
TOLERANCES ARE	TITLE: RJ45 1X1 Tab Down 100M带壳无弹左绿右黄	REV.	A
30-150 ±0.35 / 10-30 ±0.2 / 5-10 ±0.15 / 0-5 ±0.1 / ANGLE ±3°	PART NO.: LAIL-RJ45-LED2-BY-01-WC	UNITS	mm
	DWG. NO.	Projection	