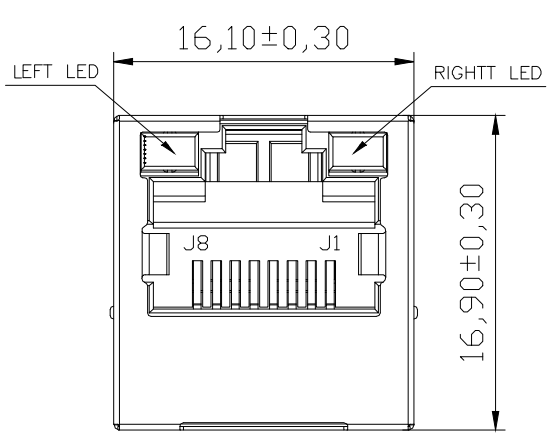
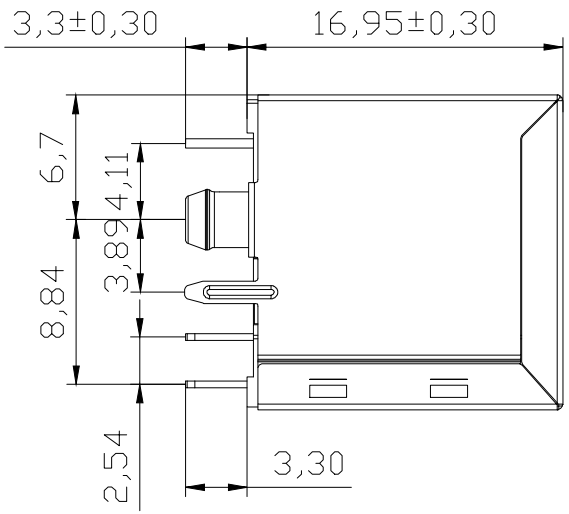
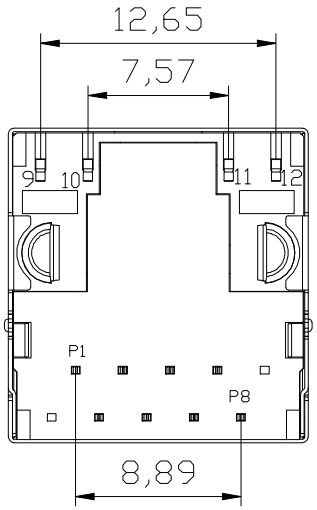
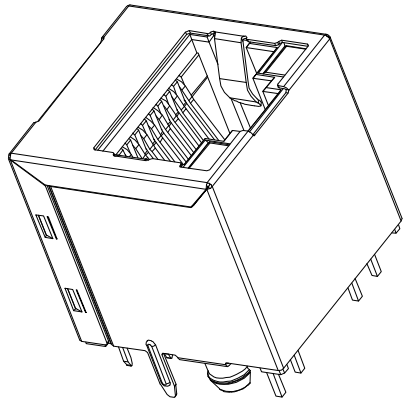
ROHS

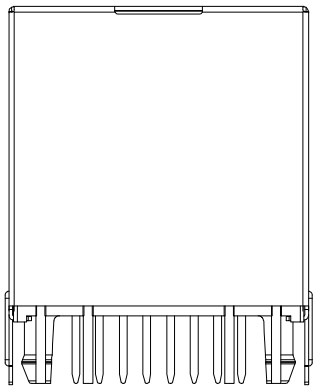
REV.	ECN NO.	DESCRIPTION	DRAW	DATE

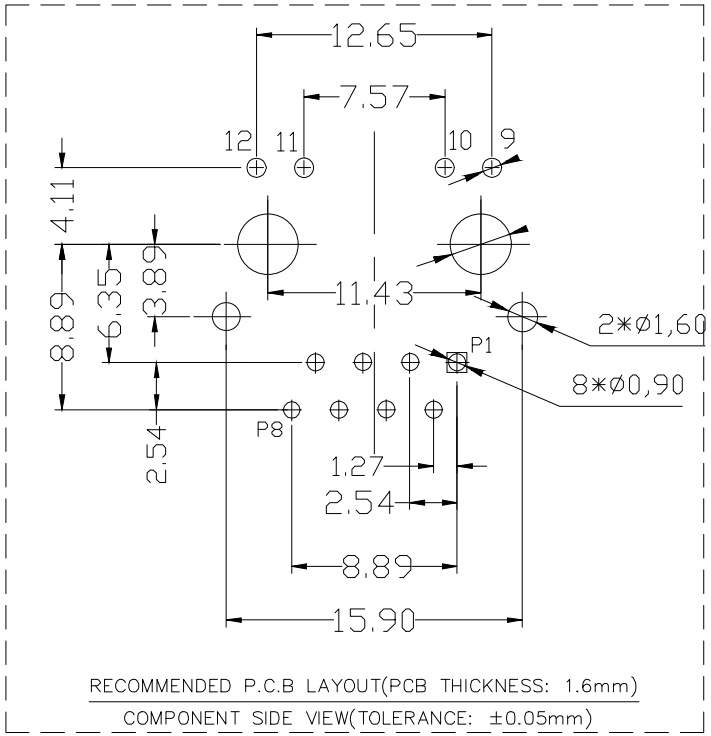












RECOMMENDED P.C.B LAYOUT(PCB THICKNESS: 1.6mm)
COMPONENT SIDE VIEW(TOLERANCE: ±0.05mm)

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,

COSTOMER DRAWING				LAILAN 深圳市莱联电子有限公司 SHENZHEN LAILIAN ELECTRONICS CO.,LTD			
DRAWING				TITLE	RJ45 1X1 100M直立式带壳无弹左黄右绿	REV.	A
CHECKED				PART NO.	LAIL-RJ45-LED2-BY-03-ZC	UNITS	mm
APPROVED				DWG. NO.		Projection	
TOLERANCES ARE							
30-150	±0.35	ANGLE					
10-30	±0.2						
5-10	±0.15	±3°					
0-5	±0.1						

ROHS

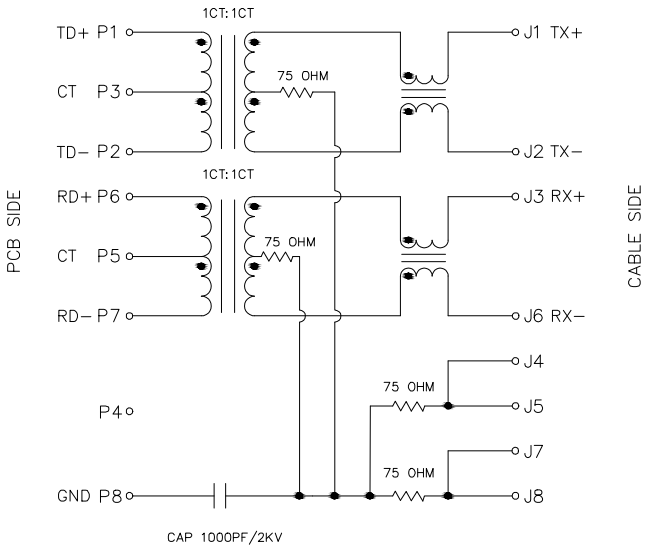
REV.	ECN NO.	DESCRIPTION	DRAW	DATE

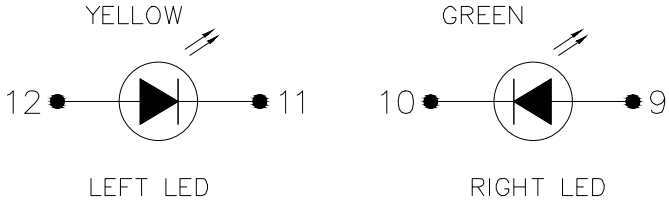
ELECTRICAL SPECIFICATIONS@25°C UNLESS OTHERWISE NOTED:

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
  −14dB 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.Peak Wave Soldering Temperature Is 260°C Max,10 Secs Max.
11.RJ45 Meets IEEE 802.3 Standards.
12.RJ45 Cavities Conform To FCC Rules And Regulation
  Part 68 Subpart F.
13.Packaging Information: Tray,120pcs/Tray, 1080pcs/Carton.
14.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

SCHEMATICS





COSTOMER DRAWING	深圳市莱联电子有限公司 SHENZHEN LAILIAN ELECTRONICS CO.,LTD		
DRAWING / CHECKED / APPROVED			
TOLERANCES ARE: 30-150 ±0.35; 10-30 ±0.2; 5-10 ±0.15; 0-5 ±0.1; ANGLE ±3°	TITLE: RJ45 1X1 100M直立式带壳无弹左黄右绿	REV.	A
	PART NO.: LAIL-RJ45-LED2-BY-03-ZC	UNITS	mm
	DWG. NO.	Projection	