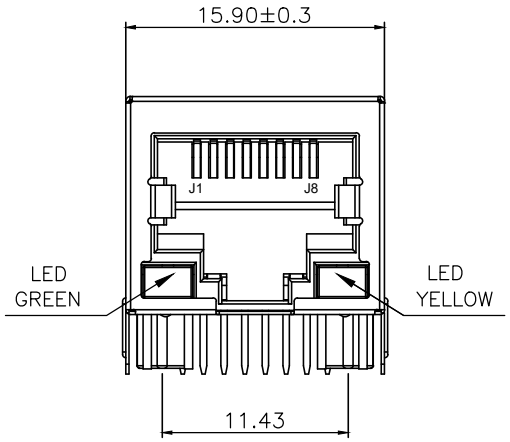
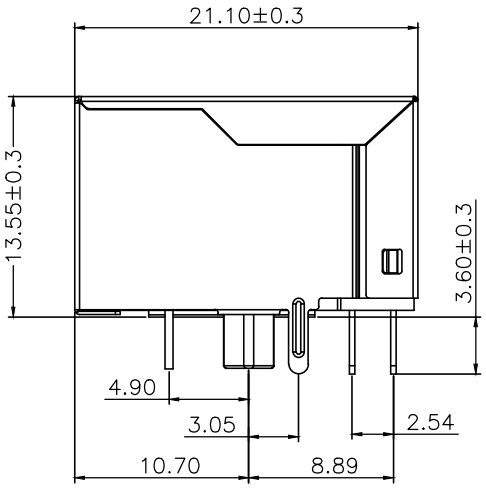
ROHS

REV.	ECN NO.	DESCRIPTION	DRAW	DATE





Connect Material:

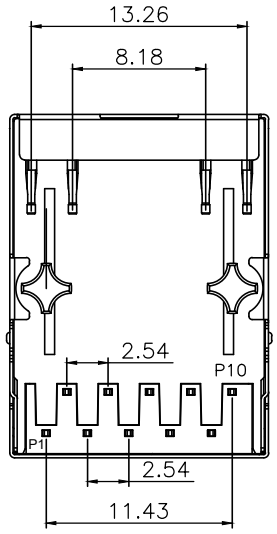
1.Housing: Thermoplastic, PBT,UL94V-0, Color: Black;

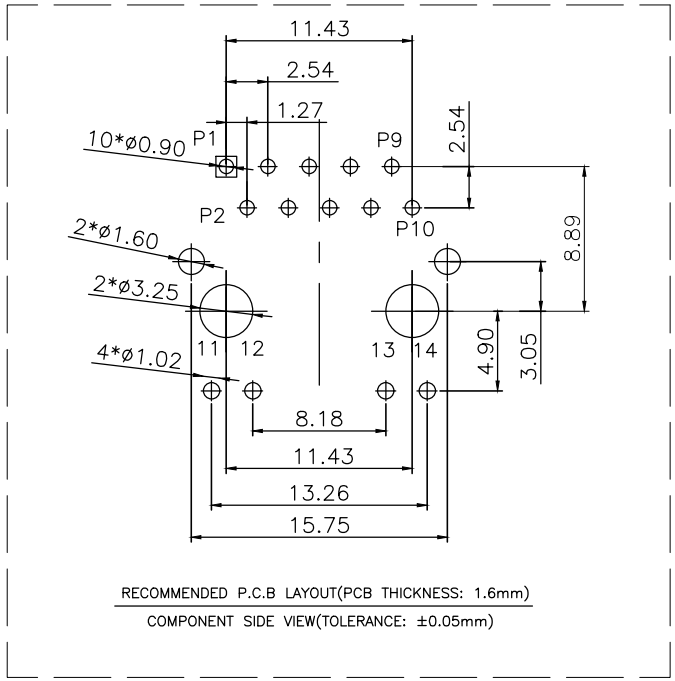
2.Insert: Thermoplastic, PBT,UL 94V-0, Color: Black;

3.Shield: Brass T=0.2mm, 20u" Min Nickel Overall Plated;

4.Input Terminal: Brass T=0.35mm,40u" Min Ni Under Plated Overall,80u" Min Tin On Solder Area;

5.RJ45 Terminal: Phosphor Bronze T=0.35mm, 40u" Min Ni Under Plated Overall, 50u" 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			
DRAWING			
CHECKED			
APPROVED			
TOLERANCES ARE			
30-150	±0.35	ANGLE	
10-30	±0.2		
5-10	±0.15	±3°	
0-5	±0.1		

深圳市莱联电子有限公司
SHENZHEN LAILIAN ELECTRONICS CO.,LTD

TITLE	RJ45 1X1 Tab Down 1000M带壳无弹左绿右黄	REV.	A
PART NO.	LAIL-RJ45-LED2-BY-03-WC	UNITS	mm
DWG. NO.		Projection	

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:

−1.1dB Max 1−100MHz

4.Return Loss:

−18dB Min 1−30MHz 100Ω

−15dB Min 30−60MHz 100Ω

−12dB Min 60−80MHz 100Ω

−10dB Min 80−100MHz 100Ω

5.Cross talk:

−35dB Min 1−10MHz

−26dB Min 15−60MHz

−24dB Min 60−100MHz

6.Common Mode Rejection:

−30dB Min 1−100MHz

7.Hipot Test:

2250VDC 3S 1mA Max

8.Operating Temperature Range: −40°C ~ +85°C

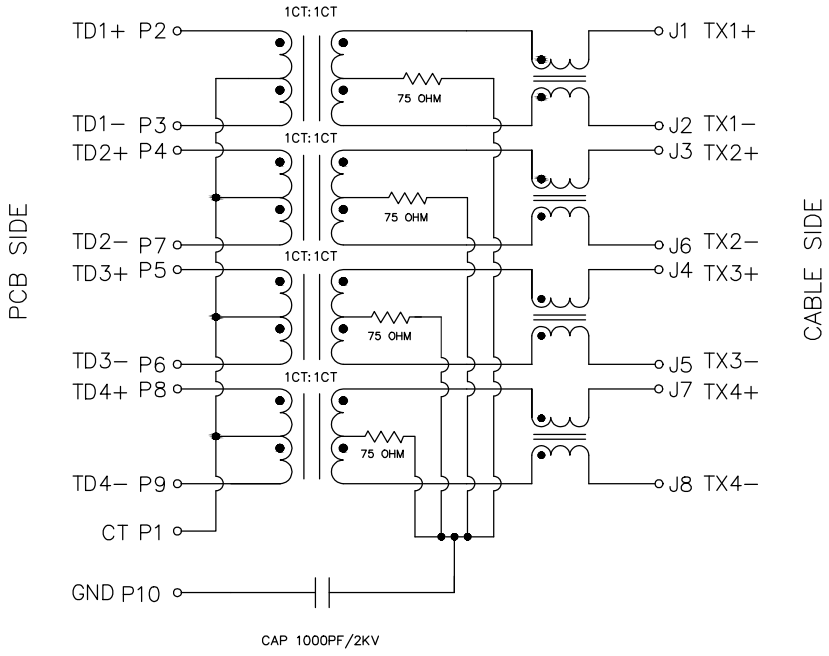
9.RJ45 Meets IEEE 802.3 Standards.

10.RJ45 Cavities Conform To FCC Rules And Regulation Part 68 Subpart F.

11.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	TITLE: RJ45 1X1 Tab Down 1000M带壳无弹左绿右黄	REV.	A
TOLERANCES ARE: 30-150 ±0.35, 10-30 ±0.2, 5-10 ±0.15, 0-5 ±0.1, ANGLE ±3°	PART NO.: LAIL-RJ45-LED2-BY-03-WC	UNITS	mm
	DWG. NO.	Projection	