

REV.	DESCRIPTION	ECN NO.	NAME	DATE

1. Material:

- 1.1 Housing: PBT UL94V-0 Black.
Insert: PBT UL94V-0 Black.
- 1.2 Shell: 30u" Ni Over Brass(C2680), T=0.20mm.
- 1.3 RJ45 Terminal: Phosphor Bronze(C5191) T=0.30mm
Plating: 30u" Gold Plated On Contact Area,
80u" ~120u" Tin Plated On Solder Area,
50u" ~80u" Ni Underplated Overall.
- 1.4 Tail Terminal: Brass(C2680) T=0.35mm,
Plating: 80u" ~120u" Tin Plated Over,
30u" ~50u" Ni Underplated Overall.

2. Environmental requirements:

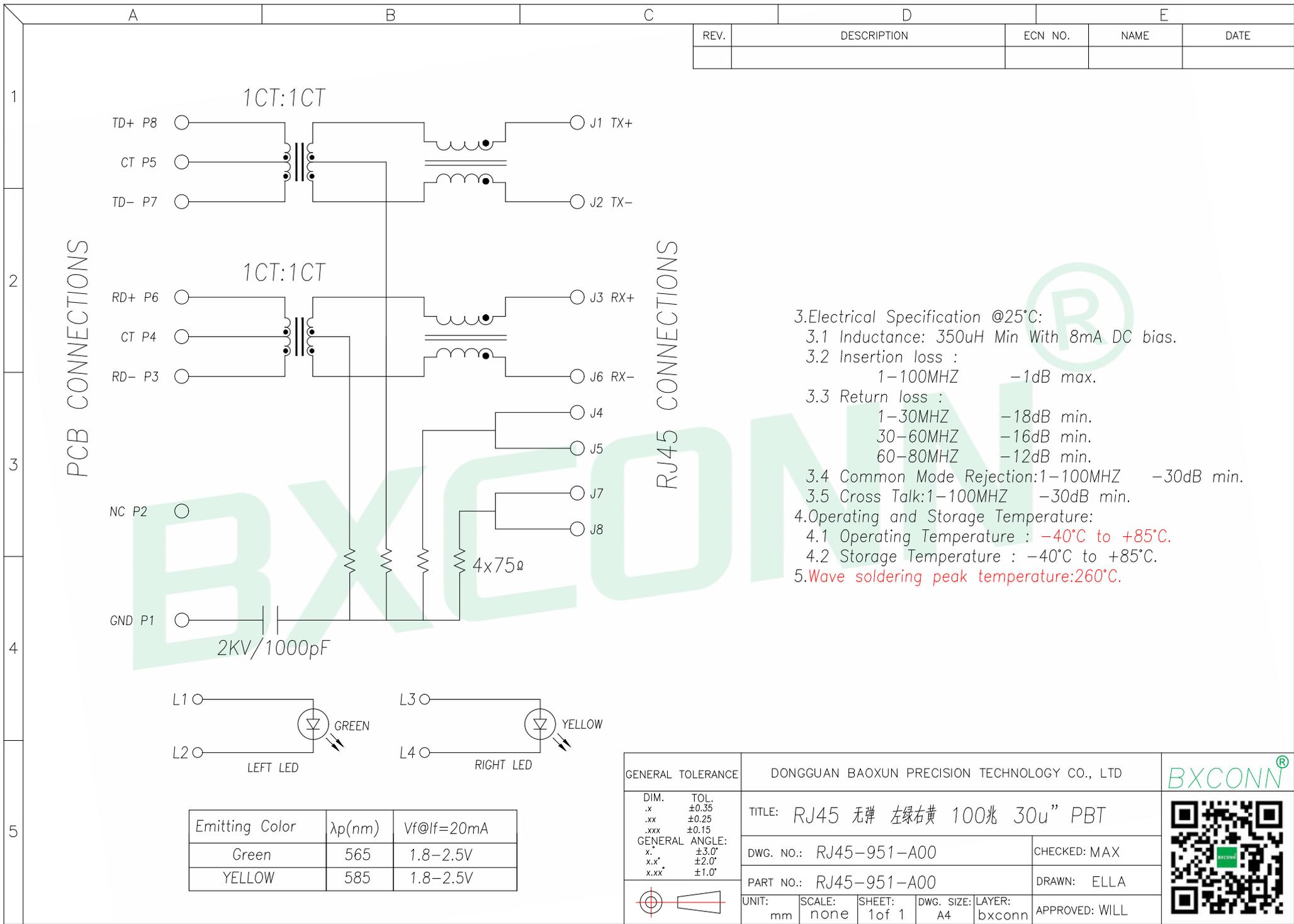
- 2.1 Lead-free process, compliant RoHS.

Recommended PCB Layout
(Tolerance: ±0.05)

GENERAL TOLERANCE		DONGGUAN BAOXUN PRECISION TECHNOLOGY CO., LTD			
DIM.	TOL.	TITLE: RJ45 无弹 左绿右黄 100兆 30u" PBT DWG. NO.: RJ45-951-A00 PART NO.: RJ45-951-A00 UNIT: mm SCALE: none SHEET: 1 of 1 DWG. SIZE: A4 LAYER: bxcn			
.x	±0.35				
.xx	±0.25				
.xxx	±0.15				
GENERAL ANGLE:					
x.°	±3.0°	CHECKED: MAX			
x.x°	±2.0°	DRAWN: ELLA			
x.xx°	±1.0°	APPROVED: WILL			

BXCONN®





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PCB CONNECTIONS

RJ45 CONNECTIONS

3. Electrical Specification @25°C:
 - 3.1 Inductance: 350uH Min With 8mA DC bias.
 - 3.2 Insertion loss :

1-100MHZ	-1dB max.
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 - 3.3 Return loss :

1-30MHZ	-18dB min.
30-60MHZ	-16dB min.
60-80MHZ	-12dB min.
 - 3.4 Common Mode Rejection: 1-100MHZ -30dB min.
 - 3.5 Cross Talk: 1-100MHZ -30dB min.
4. Operating and Storage Temperature:
 - 4.1 Operating Temperature : -40°C to +85°C.
 - 4.2 Storage Temperature : -40°C to +85°C.
5. Wave soldering peak temperature: 260°C.

Emitting Color	λ_p (nm)	$V_f@I_f=20mA$
Green	565	1.8-2.5V
YELLOW	585	1.8-2.5V

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DIM. TOL.		TITLE: RJ45 无弹 左绿右黄 100兆 30u" PBT			
.x	±0.35	DWG. NO.: RJ45-951-A00		CHECKED: MAX	
.xx	±0.25	PART NO.: RJ45-951-A00		DRAWN: ELLA	
.xxx	±0.15	UNIT: mm		APPROVED: WILL	
GENERAL ANGLE:		SCALE: none	SHEET: 1 of 1	DWG. SIZE: A4	LAYER: bxconn
x.	±3.0°				
x.x'	±2.0°				
x.xx'	±1.0°				