

RoHS compliant

LEFT LED RIGHT LED

16.10±0.35

RIGHT LED

16.90±0.35

16.95±0.35

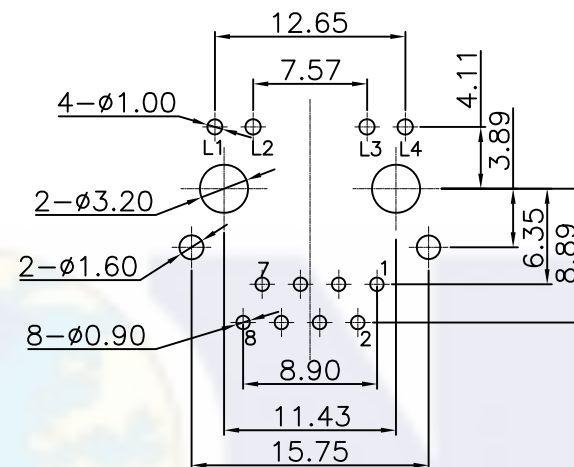
3.30±0.30

4.11

3.89

6.35

8.89



Recommended PCB Layout
(Tolerance:±0.05)

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=0.35mm
Plating:6u" 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.

GENERAL TOLERANCE

DRAWN

Gene Li

2021/09/11

EDCON-COMPONENTS

.X ±0.35 X.° ±2°

CHECKE

HYF

PART NO. T91A21071-0808GFA1B1NR

.XX ±0.25 .X.° ±1°

APPROVE

TITLE: RJ45 TAB-UP 180 ° 100BASE-TX 1X1 W/LED W/SHIELD

.XXX ±0.15 .XX.° ±0.5°

PROJECT

UNIT mm SCALE 1:1 SHEET 1/3

REV A0 DRAWING NO.

PROJECT

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RJ45 CONNECTIONS

3.Electrical Specification @25°C:

3.1 Inductance: 350uH Min With 8mA DC bias.

3.2 Insertion loss :
1-100MHZ -1dB max.

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 $+70^{\circ}\text{C}$.

4.2 Storage Temperature : -40°C to $+85^{\circ}\text{C}$.

5. Wave soldering peak temperature: 260°C.

Emitting Color	$\lambda_p(\text{nm})$	$V_f@I_f=20\text{mA}$
Green	565	1.8–2.5V
YELLOW	585	1.8–2.5V

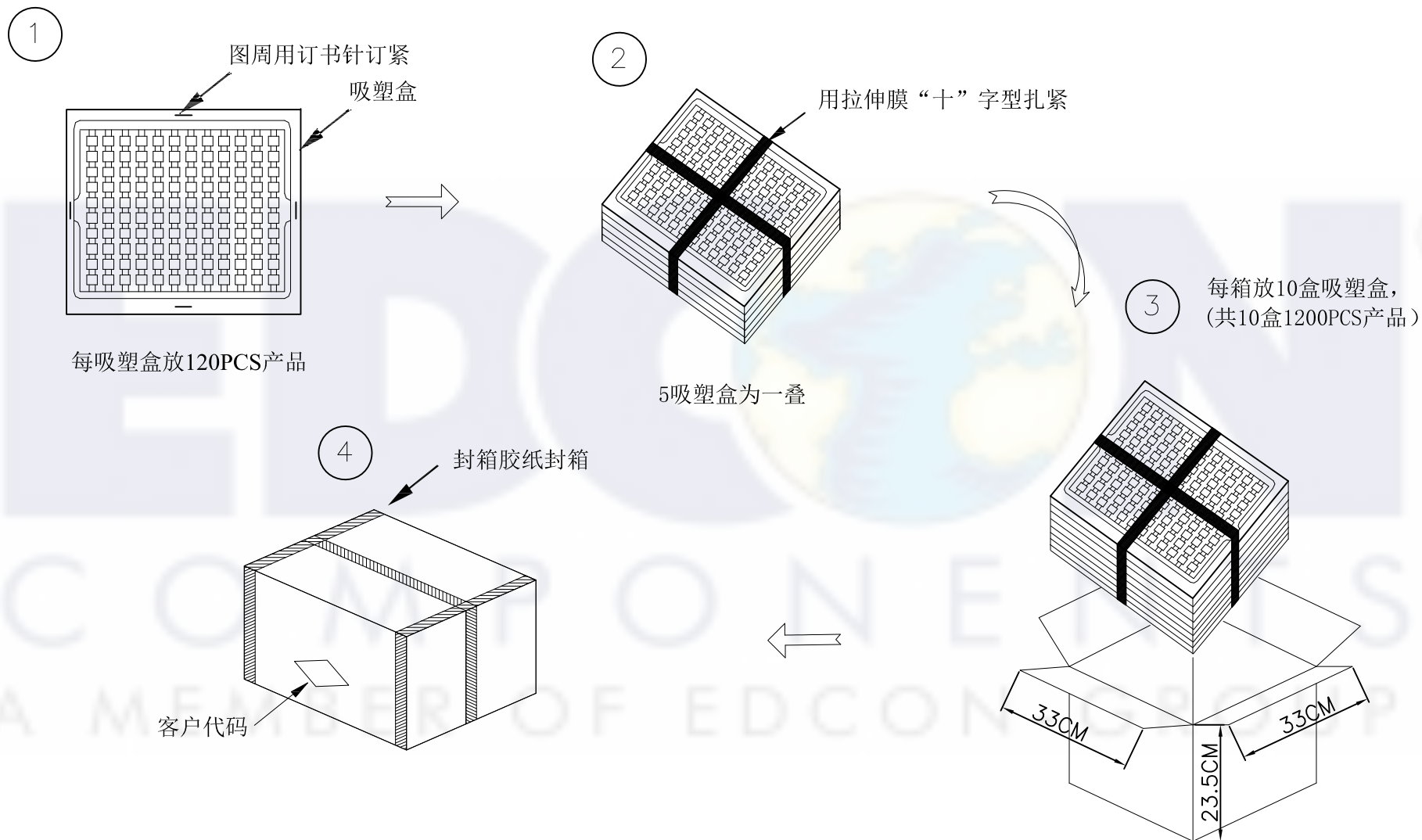
					GENERAL TOLERANCE		DRAWN		<i>Gene Li</i>		<i>2021/09/11</i>		EDCON-COMPONENTS						
					.X	±0.35	X.°	± 2°	CHECKE		<i>KYJ</i>								
A0		NEW DESIGN	<i>2021/09/11</i>		.XX	±0.25	X.°	± 1°	APPROVE				PART NO.		T91A21071-0808GFA1B1NR				
					.XXX	±0.15	.XX°	± 0.5°					TITLE:		<i>RJ45 TAB-UP 180 ° 100BASE-TX 1X1 W/LED W/SHIELD</i>				
REV	ECN NO	DESCRIPTION	DATE	SIGNATURE	PROJECT					UNIT	mm	SCALE	1:1	SHEET	2/3	REV	A0	DRAWING NO.	

EDCON-COMPONENTS

PART NO. T91A21071-0808GFA1B1NR

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A0		NEW DESIGN	2021/09/11		.XX	±0.25	.X°	± 1°	APPROVE				TITLE:		RJ45 TAB-UP 180 ° 100BASE-TX 1X1 W/LED W/SHIELD			
REV	ECN NO	DESCRIPTION	DATE	SIGNATURE	PROJECT				UNIT	mm	SCALE	1:1	SHEET	3/3	REV	A0	DRAWING NO.	