

Specification for Approval

Customer:	
Customer P/N:	
EEC P/N:	RA11121TH4GA
Spec No.:	
Version No.:	V0.1
Description:	RJ45 1X1 Tab Down
	10/100 Base-TX
	Contact Area:6u" Gold
	LED: L-Green; R-Yellow

Customer Approval		EEC Approval	
Inspected By:		Issued By:	Feng
Checked By:		Checked By:	/
Approved By:		Approved By:	Jerry
Approved Date:		Issued Date:	2024-8-15

Please Return One Copy to Us After Approved,TKS! (承认后请回寄一份,谢谢)

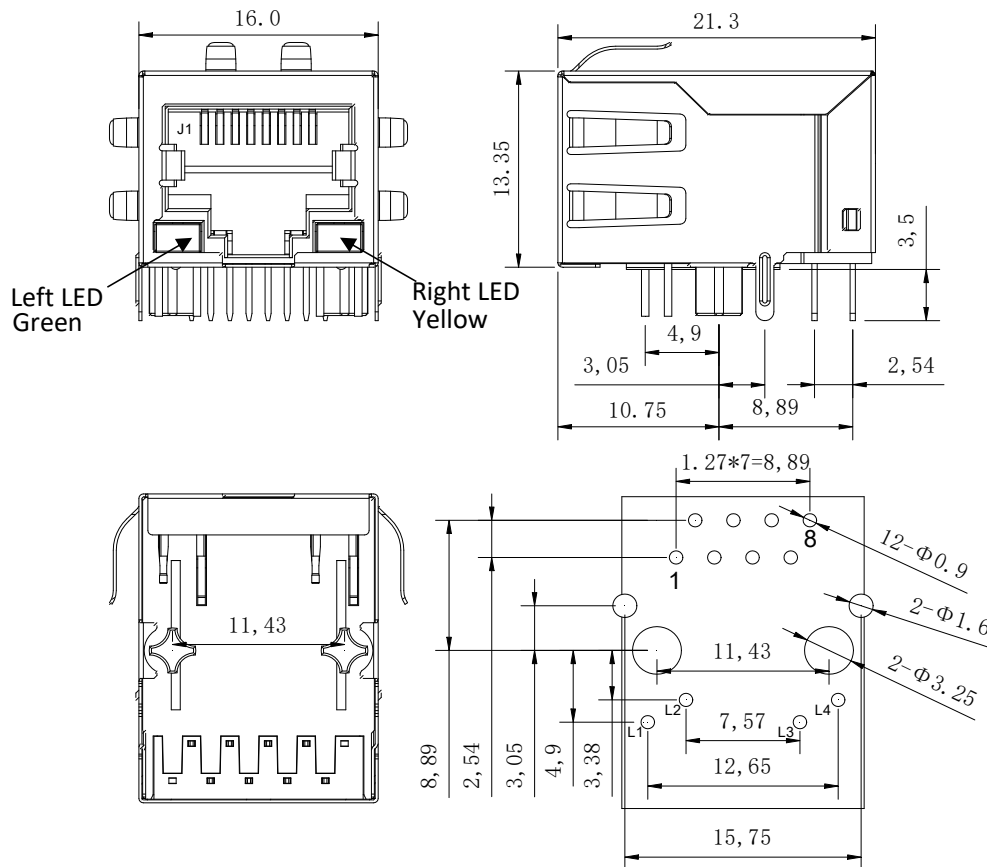
- Remark:
- 1. Before use, please confirm whether this product is suitable for your design, Scientific only ensure products meet this specification.
 - 2. This specification data change must be confirmed by both parties,any individual modification is invalid.
 - 3. If customer placed orders without signing back this specification, it is regarded as recognition.



绵阳敦源电子科技有限公司
Mianyang Dunyuan Electronics Technology Co.,Ltd
地址：四川省绵阳市高新区综合保税区
ADD: Comprehensive Bonded Zone, High-Tech Industrial Development Zone Mianyang, SiChuan

A. MECHANICAL(unit:mm)

General Tolerance :
 X.X : ± 0.25
 X.XX : ± 0.20
 X.XXX : ± 0.10



Notes:

(1).Material:

Housing: Thermoplastic, PBT, Black, UL 94V-0.

Contact: Phosphor Bronze, Thickness=0.35mm.

Shell: Brass, Thickness=0.20mm.

(2).Finish:

Contact: 50 μ " Min Nickel Underplating All Area.

100 μ " Min Tin On Solder Tail.

6 μ " Gold On Contact Area.

Shell: 30 μ " Min Nickel Underplating All Area.

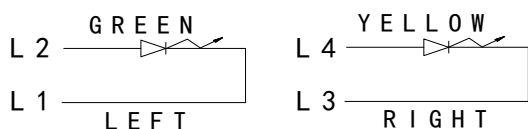
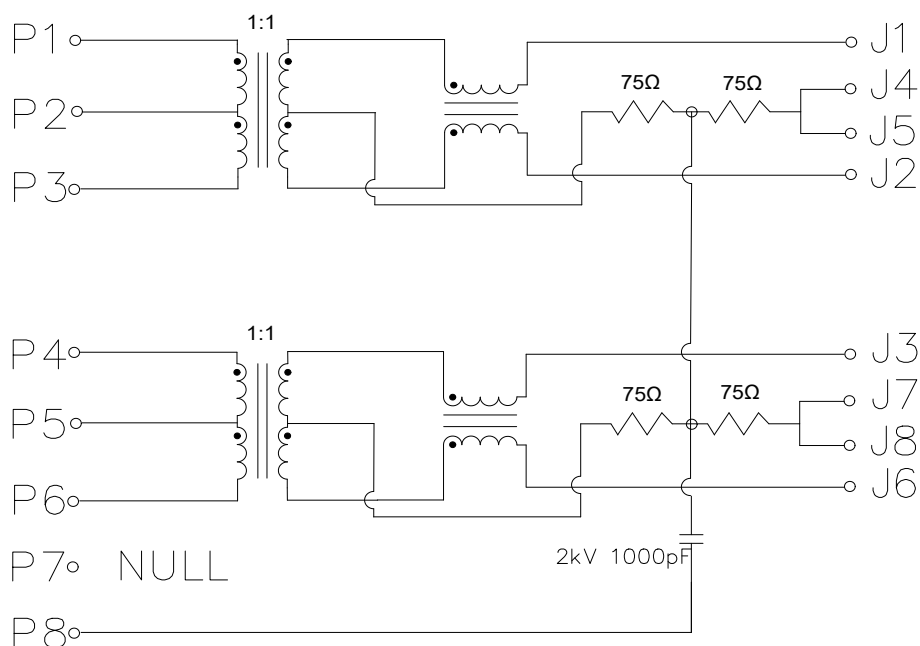
(3).Durability Operating Life:

750 Cycles Min.

(4).Jack Cavity Conforms To FCC Rules And Regulations Part 68, Subpart F.

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B.SCHEMATICS

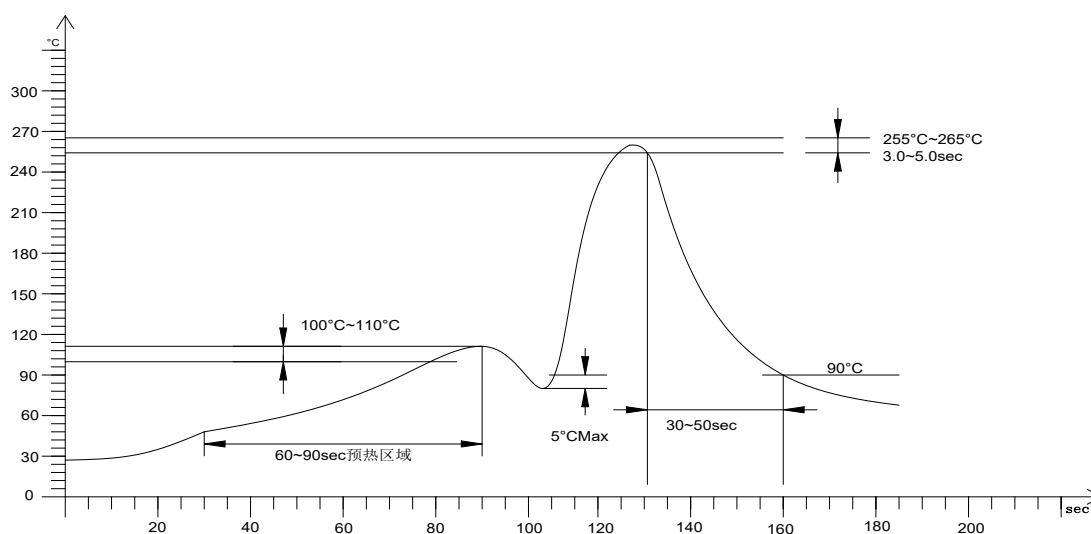


Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	565	20mA	1.8-2.4V
Yellow	585	20mA	1.7-2.5V

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C. ELECTRICAL SPECIFICATIONS @25 °C

1. OCL: 350 μ H min @100KHz 100mV 8mA DC Bias
2. Turns Ratio: 1CT:1CT $\pm$ 3%
3. Insertion Loss: -1.0dB max @1~100 MHz
4. Return Loss: -18 dB Min @ 1~30 MHz.load 100 Ω
-14 dB Min @ 30~60 MHz.load 100 Ω
-12 dB Min @ 60~80 MHz.load 100 Ω
-10 dB Min @ 80~100 MHz.load 100 Ω
5. CMR: -30 dB Min @ 1-100 MHz
6. Cross talk: -30 dB Min @ 1-100 MHz
7. Isolation Hipot: 2250VDC 1mA 2s
8. Operating temperature: -40°C to +85°C
9. Storage temperature: -40°C to +85°C
10. RoHS compliant

D. RECOMMEND WAVE SOLDERING CURVE

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