

APPROVED SHEET

CUSTOMER:

CUSTOMER P/N:

YLT P/N:

RA1-GA1A512BAR

REV:

A

SPEC NO.

RA1-0340

DESCRIPTION:

RJ45 1X1 TAB DOWN

10/100/1000M BASE-T

CONTACT AREA:6u" GOLD

LED: L-GREEN;R-YELLOW

CUSTOMER APPROVAL		COMPANY APPROVAL	
INSPECTED BY:		ISSUED BY:	
CHECKED BY:		CHECKED BY:	
APPROVED BY:		APPROVED BY:	
APPROVED DATE:		ISSUED DATE:	

思科飞尔技术（深圳）有限公司

Siscofer Technology(Shen Zhen)Co.,Ltd.

总部地址：深圳市宝安区新安街道创业二路中粮创芯研发中心4-307室

工厂地址：四川省绵阳市涪城区文武中路218号电子制造产业园9栋3号3楼

Tel:0755-83845349 15602918199

www.Siscofer.com



思科飞尔技术（深圳）有限公司

SISCOFER TECHNOLOGY (SHENZHEN) CO.LTD

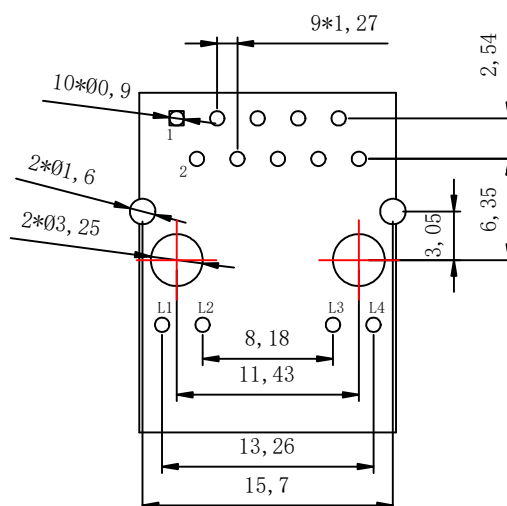
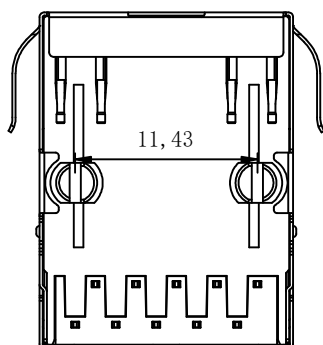
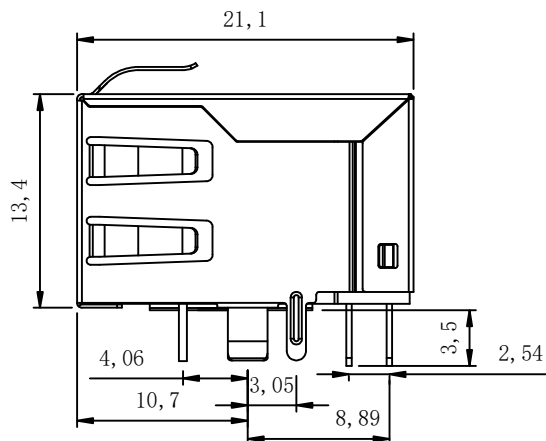
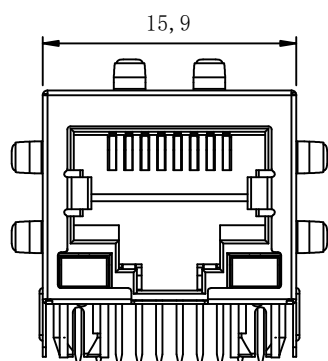
A. MECHANICAL (UNIT:mm)

GENERAL TOLERANCE:

X. X : ± 0.30

X. XX : ± 0.25

X. XXX : ± 0.20



NOTES:

(1). MATERIAL:

HOUSING: THERMOPLASTIC, PBT, BLACK, UL 94V-0.

CONTACT: PHOSPHOR BRONZE, THICKNESS=0.35mm.

SHELL: BRASS, THICKNESS=0.20mm.

(2). FINISH:

CONTACT: 50u" MIN NICKEL UNDERPLATING ALL AREA.100u" MIN TIN ON SOLDER TAIL.

6u" GOLD ON CONTACT AREA.

SHELL: 30u" MIN NICKEL UNDERPLATING ALL AREA.

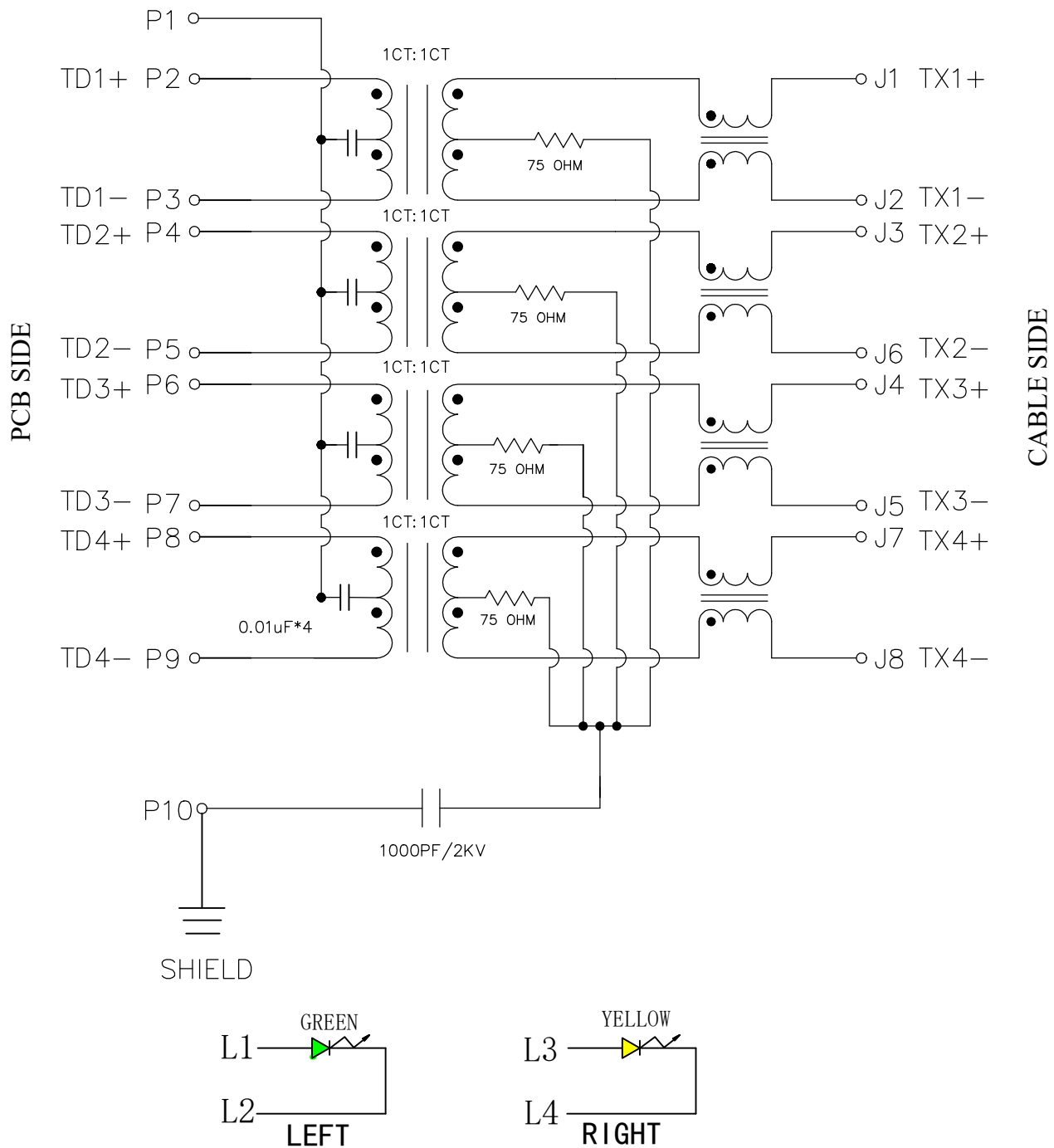
(3).DURABILITY OPERATING LIFE: 750 CYCLES MIN.

(4). JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F

DESCRIPTION	SUR P/N	SPEC NO.	REV: A
RJ45-CONNECTOR 1X1PORT TAB UP 10/100/1000BASE	RA1-GA1A5121BAR	RA1-0340	PAGE: 1/4



B. SCHEMATICS



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

DESCRIPTION

SUR P/N

SPEC NO.

REV: A

RJ45-CONNECTOR 1X1PORT
TAB UP 10/100/1000BASE

RA1-GA1A5121BAR

RA1-0340

PAGE: 2/4



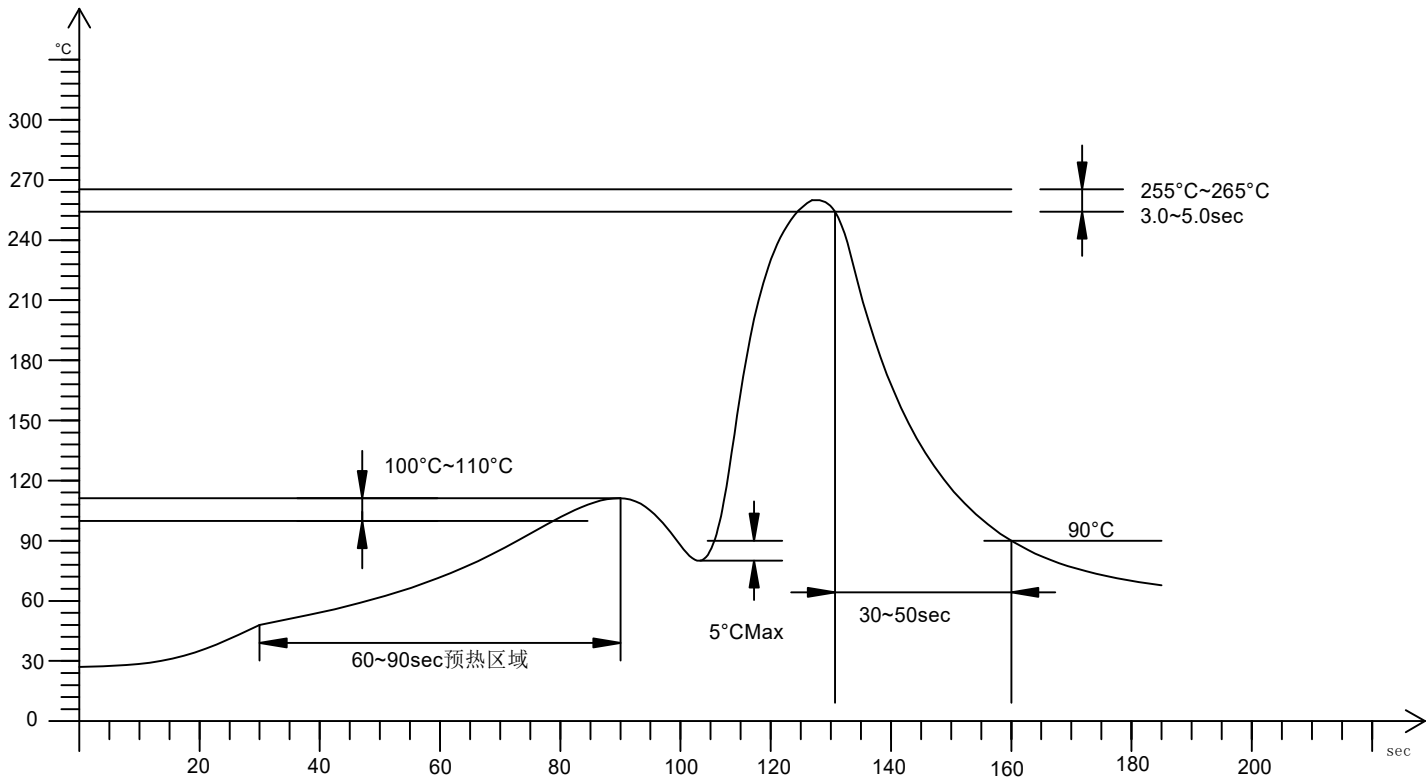
C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL: 350 MH MIN @100KHZ 100MV 8MA DC BIAS
2. TURNS RATIO: 1CT:1CT $\pm$ 3%
3. INSTERTION 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. COMMON MODE REJECTION: -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

DESCRIPTION	SUR P/N	SPEC NO.	REV: A
RJ45-CONNECTOR 1X1PORT TAB UP 10/100/1000BASE	RA1-GA1A5121BAR	RA1-0340	PAGE: 3/4



E. RECOMMEND WAVE SOLDERING CURVE



NOTE:
THE MEASURING POINT FOR THE SPECIFIED TEMPERATURE SHALL
BE ON THE SOLDERED PART OF THE LEAD。

DESCRIPTION	SUR P/N	SPEC NO.	REV: A
RJ45-CONNECTOR 1X1PORT TAB UP 10/100/1000BASE	RA1-GA1A5121BAR	RA1-0340	PAGE: 4/4