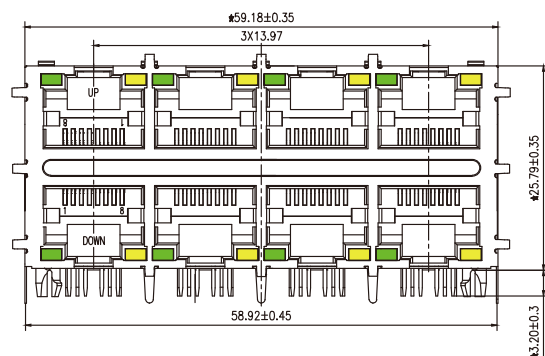
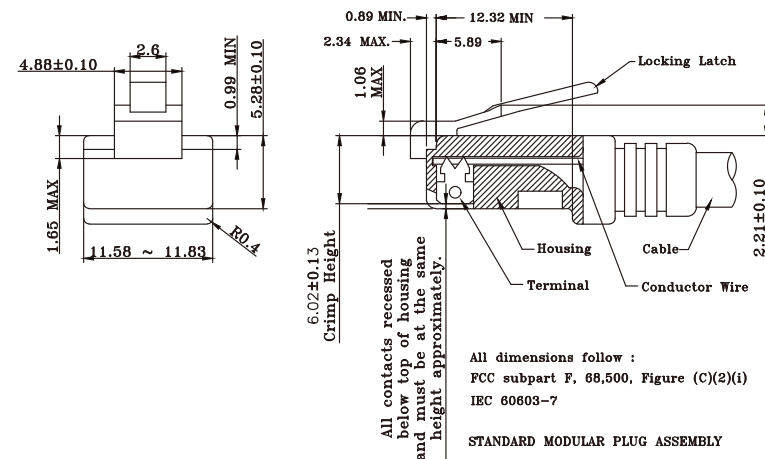


DESCRIPTION:
RJ45 With Internal Magnetics Connector
Designed to support such applications as:Ethernet Equipment Complex,
Switches,Routers,Firewalls,Servers and Hub
Internal magnetics are 100% electrically tested for functionality
per IEEE802.3af/at requirement
ELECTRICAL:
RoHS peak wave solder temperature rating 235°C
High performance for maximum EMI suppression
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,PART 68 SUBPART F.
INSERTION FORCE: 2 CONTACTS-----350g 4 CONTACTS-----500g
6 CONTACTS-----750g 8 CONTACTS-----900g
10 CONTACTS-----1050g
MECHANICAL:
RETENTION STRENGTH: 7.7KgS between JACK AND PLUG
DURABILITY: 750 MATING CYCLES Mini

Material

- 1.Terminal Parts (Under plating : 40 μ " min. Nickel overall)
 - 1-1.RJ Terminal : Phosphor Bronze. Thickness=0.3mm
Finish plating : Contact Area : Gold 6 μ "
 - 1-2.Input Terminal : Brass, Thickness=0.4mm
Finish plating : 100 μ " min. Bright Tin
 - 1-3.Case Terminal : Brass, Thickness=0.40mm
Finish plating : 100 μ " min. Bright Tin
- 2.Plastic Parts
 - 2-1.Housing : PA66, Black, <UL94V-0>
 - 2-2.Case : Phenolic Plastic, Black, <UL94V-0>
 - 2-3.Spacer : PA66, Black, <UL94V-0>
 - 2-4.RJ IM : PA66, Black, <UL94V-0>
 - 2-5.Front Nose : PA66, Black, <UL94V-0>
 - 2-6.Transfer Plastic : PBT, Black, <UL94V-0>
- 3.Shield Parts
 - 3-1.Front Shield : Brass, Thickness=0.25mm, Finish : 100 μ " min. Tin : Ni 30 μ min.
 - 3-2.Back Shield : Brass, Thickness=0.25mm, Finish : 100 μ " min. Tin : Ni 30 μ min.

1.Recommend Plug Dim



NOTES : 1. Tolerance : PCB $\pm 0.05\text{mm}$
 Connector $\pm 0.25\text{mm}$
 2. Connector dimensions comply with FCC 68.5 dimension requirements

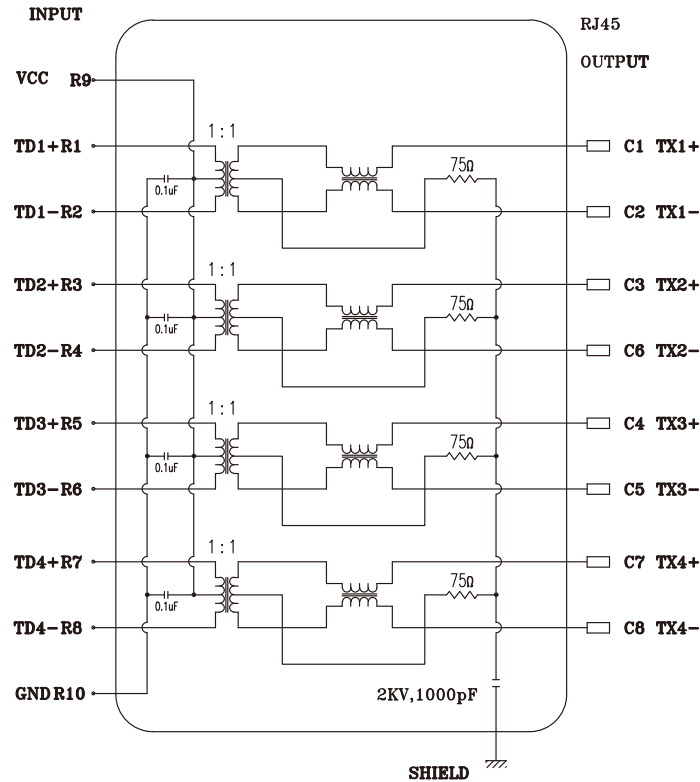
 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd		TITLE: 2X4 Port 10/100/1000BASE.	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song
		PART NO.: SYT24Q042DB2A4D068H	SACLE 1:1	REV A0	x±0.35 .x±0.30	x°±3.0° .x°±2.0°	CHECKED BY: Elvis.Song
TEL: +86 400 1048 018	WEB: WWW.VOOHU.CN	REMARK: 回流焊	SHEET 1/3		.xx±0.25	.xx°±1.5°	DESIGND BY: Sunny.Xu
					.xxx±0.10	.xxx°±1.0°	

Meets or exceeds IEEE 802.3 standard for 10/100/1000 Base-T
350 uH minimum OCL with 8mA DC bias current
Available with or without LEDs
Minimum 1500Vrms isolation per IEEE802.3 requirement
Operating temperature -40°C to +85°C
Storage temperature -40°C to +85°C

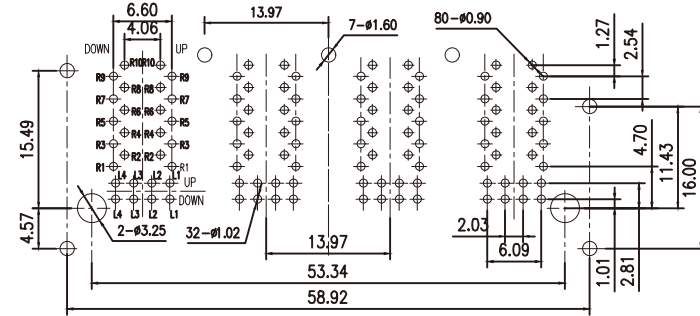
2.TRANSFORMER ELECTRICAL SPECIFICATIONS AT 25°C;

Insertion Loss (dB max.)	Return Loss (dB min.)				Cross talk (dB min.)			C.M.R. (dB min.)		Hi - pot (Vrms)
1-125MHz	1-30 MHz	30-60 MHz	60-80 MHz	80-100 MHz	1-30 MHz	30-60 MHz	60-100 MHz	10-60 MHz	60-100 MHz	60Hz/1min.
-1.2	-18	-16	-12	-10	-40	-35	-30	-40	-30	1500

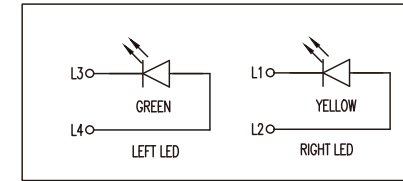
3.SCHEMATIC:



4.Pin Assignment For PCB Layout



Suggested PCB Pad Layout
Component Side View



Standard LED Color	LED Wavelength	Forward (V MAX)	Typical (V TYP)	Luminous Intensity
Green	560-580 nm	2.5V	2.1-2.2V	9-25 MCD
Yellow	580-610 nm	2.5V	2.1-2.2V	9-30 MCD
Orange	580-610 nm	2.5V	2.1-2.2V	50-100 MCD

LED Specification

TITLE:
2X4 Port 10/100/1000BASE.

PART NO.:
SYT24Q042DB2A4D068H

REMARK:
回流焊

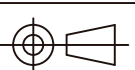
SIZE
A4

SACLE
1:1

SHEET
2/3

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

$x \pm 0.35$
 $.x \pm 0.30$
 $.xx \pm 0.25$
 $.xxx \pm 0.10$

$x^\circ \pm 3.0^\circ$
 $.x^\circ \pm 2.0^\circ$
 $.xx^\circ \pm 1.5^\circ$
 $.xxx^\circ \pm 1.0^\circ$

APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

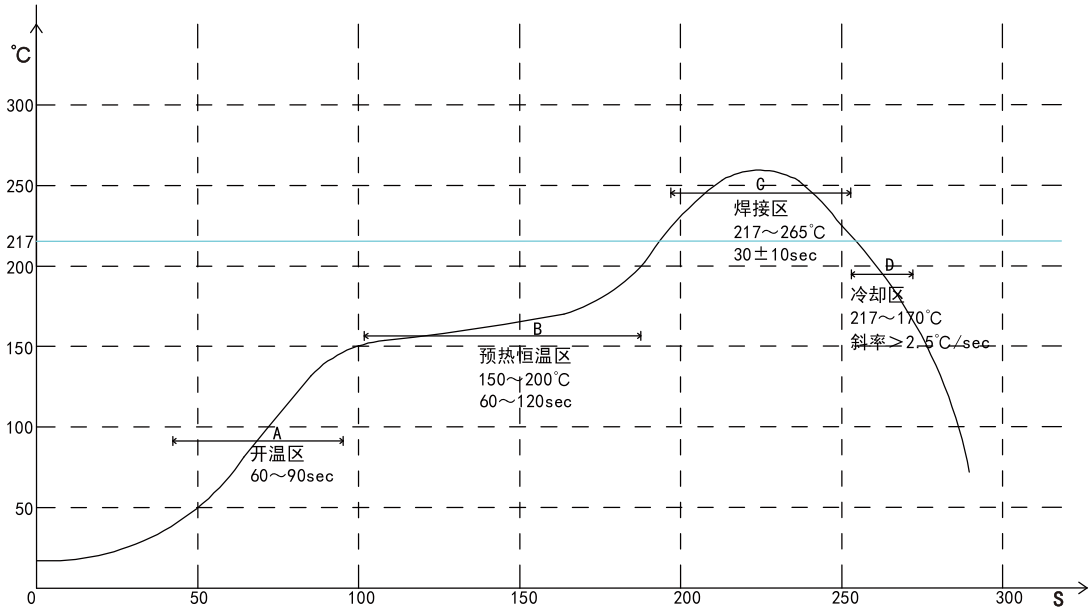
DESIGND BY:
Sunny.Xu

VOOHU 苏州沃虎电子科技有限公司
Su Zhou Voohu Electronic Tech.Co.Ltd

TEL: +86 400 1048 018

WEB: WWW.VOOHU.CN

PROFILE OF REFLOW SOLDERING



- A. Temperature range of open
 - B. Preheat temperature zone
 - C. The welding zone
 - D. The cooling zone
- Tip temperature: 265±5°C.
Tip temperature time: 30±10Sec.
Tip melting point of Sn96.5/Ag3/Cu0.5.

A	 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd		TITLE: 2X4 Port 10/100/1000BASE	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song	
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	TEL: +86 400 1048 018	WEB: WWW.VOOHU.CN	REMARK: 回流焊	SHEET 3/3		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGND BY: Sunny.Xu	