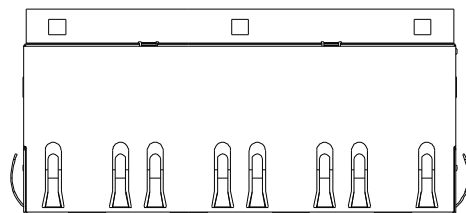
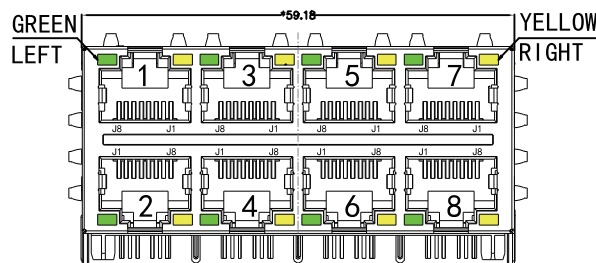


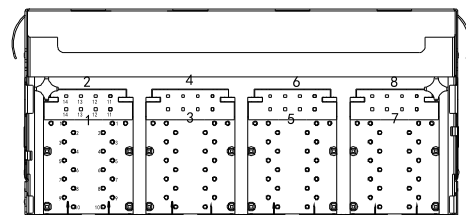
REACH & RoHS  
COMPLIANT



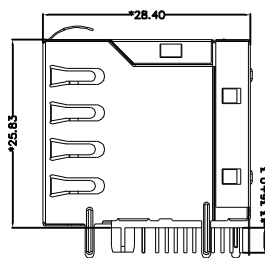
TOP VIEW



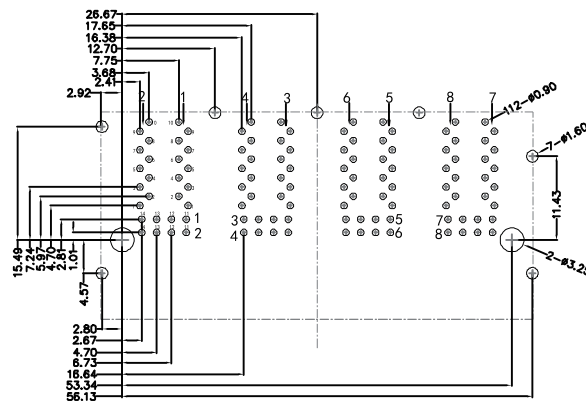
FRONT VIEW



BOTTOM VIEW



RIGHT SIDE VIEW



RECOMMENDED PCB LAYOUT  
VIEWED FROM COMPONENT SIDE

### MATERIAL:

HOUSING: PA66,UL94V-0,BLACK.

TERMINALS BRACKET: PBT,UL94V-0,BLACK.

SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.

TERMINAL: PHOSPHOR BRONZE C5191,Ø=0.46MM,  
30U" GOLD PLATING ON CONTACT AREA.

### MECHANICAL:

DURABILITY: 750 CYCLES MIN.

MATING FORCE: 23N MAX.

OPERATING TEMPERATURE: -40°C~+85°C.

STORAGE TEMPERATURE: -40°C~+85°C.

ALL CRITICAL DIMENSIONS WITH "\*"

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

TITLE:  
RJ45 2X4 2.5G

PART NO.:  
SYT24Q535DB2A2DB2057

REMARK:

SIZE  
A4

SACLE  
1:1

SHEET  
1/4

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

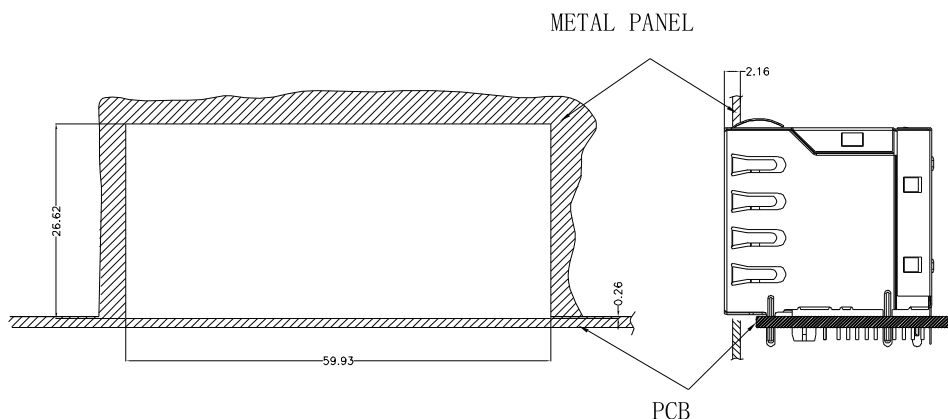
DESIGND BY:  
Sunny.Xu

TEL: +86 400 1048 018

WEB: [WWW.WOHU-TEK.COM](http://WWW.WOHU-TEK.COM)

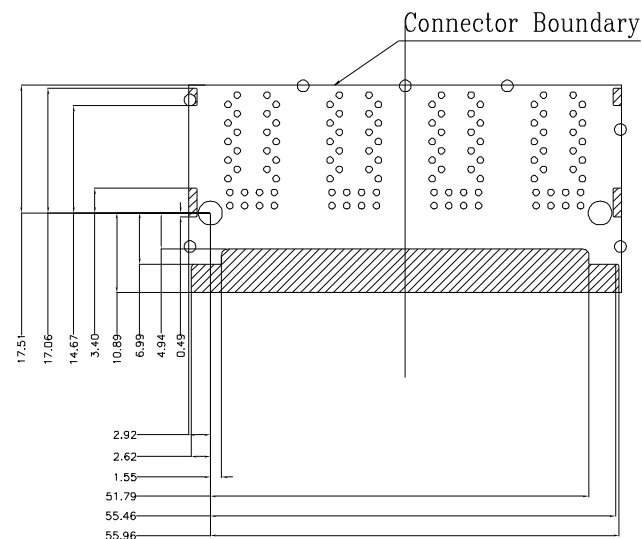
REACH & RoHS  
COMPLIANT

Suggested Panel Opening:



UNIT: mm / inch  
Tolerances:  $\pm 0.10$  / 0.004

Keep-Out Area (Component Side View):



UNIT: mm / inch  
Tolerances:  $\pm 0.10$  / 0.004

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REMARK:

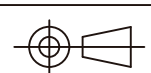
SIZE  
A4

SACLE  
1:1

SHEET  
2/4

UNITS  
MM[INCH]

REV  
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GENERAL TOLERANCES  
UNLESS SPECIFIED

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

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

APPROVED BY:  
Geoffrey.Song

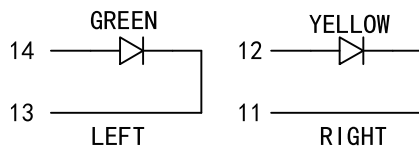
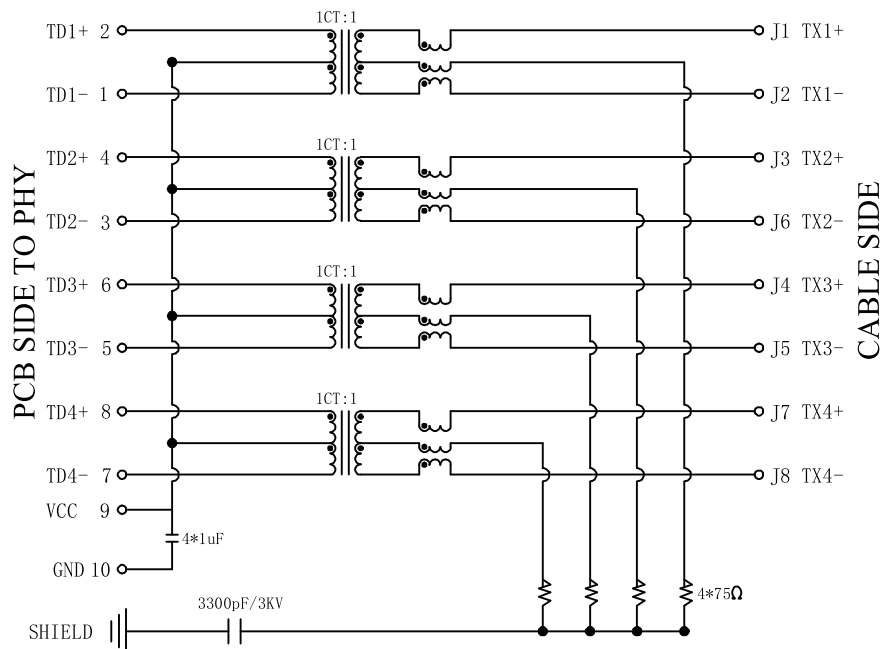
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REACH & RoHS  
COMPLIANT



### Electrical:

- Turn ratio:2~1:J1~J2=1CT:1CT( $\pm 2\%$ ).  
4~3:J3~J6=1CT:1CT( $\pm 2\%$ ).  
6~5:J4~J5=1CT:1CT( $\pm 2\%$ ).  
8~7:J7~J8=1CT:1CT( $\pm 2\%$ ).
- OCL:180uH Min.@ 100KHz 0.1V.
- Insertion Loss:-0.5 dB Max 1~50MHz.  
-1.5 dB Max 50~125MHz.
- Return loss:-18dB Min 1 ~ 40MHz;  
-18+15LOG<sub>10</sub>(f/40MHz)Min 40~200MHz.
- Cross talk: -35dB Min 1~40MHz.  
-35+15LOG<sub>10</sub>(f/40MHz)Min 40~125MHz.
- CMR: -30dB Min 1~200MHz;
- Hi-Pot: 2250V DC 6S 1mA PRI TO SEC

### LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	568nm	20mA	1.85-2.45V
Orange	585nm	20mA	1.7-2.2V

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UNLESS SPECIFIED

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PART NO.:  
SYT24Q535DB2A2DB2057

SACLE  
1:1

REV  
A0

x $\pm$ 0.35  
.x $\pm$ 0.30

x° $\pm$ 3.0°  
.x° $\pm$ 2.0°

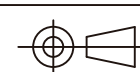
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REMARK:

SHEET  
3/4



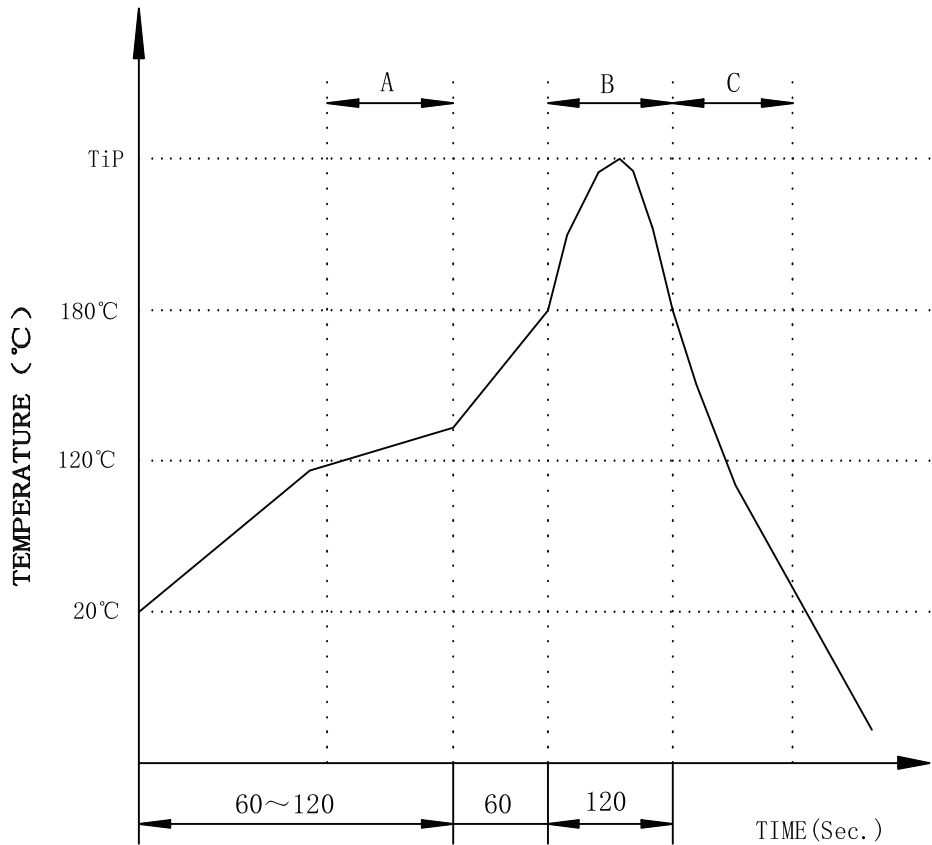
.xx $\pm$ 0.25  
.xxx $\pm$ 0.10

.xx° $\pm$ 1.5°  
.xxx° $\pm$ 1.0°

DESIGND BY:  
Sunny.Xu

REACH & RoHS  
COMPLIANT

PROFILE OF WAVE SOLDER



A.Preheating B.Soldering C.Gradual Cooling  
Tip temperature:260±5°C.  
Tip temperature time:5Sec Max.  
Tip melting point of Sn96.5/Ag3/Cu0.5:217°C.

Remarks: after wave soldering, the plastic  
positioning columns of the product which under the  
PCB will be slightly melted, but it won't affect its  
function.

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RJ45 2X4 2.5G

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REMARK:

SIZE  
A4

SACLE  
1:1

SHEET  
4/4

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

x±0.35	x°±3.0°
.x±0.30	.x°±2.0°
.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°

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