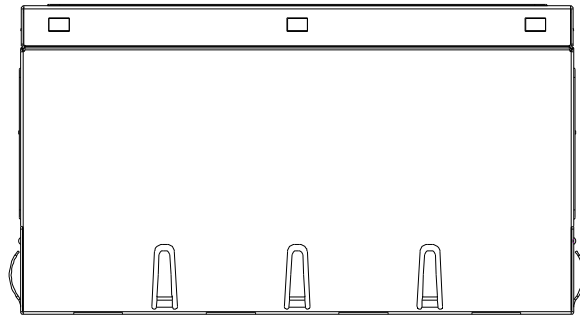
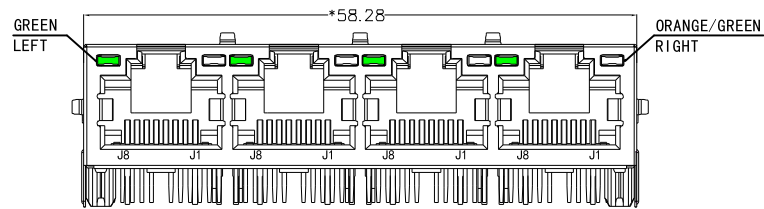


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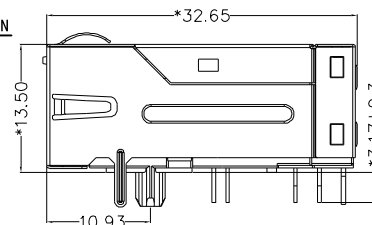
REACH & RoHS
COMPLIANT



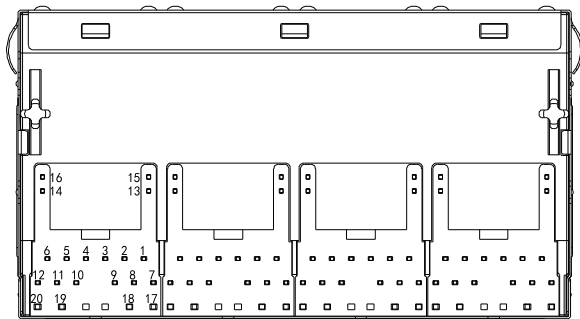
TOP VIEW



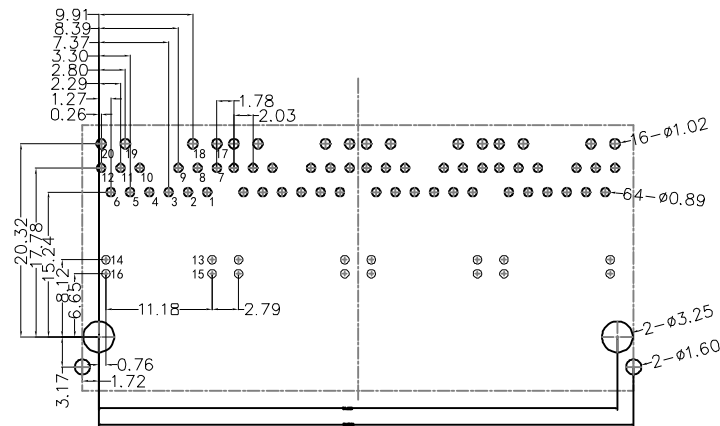
FRONT VIEW



RIGHT SIDE VIEW



BOTTOM 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,T=0.35MM,

6U" GOLD PLATING ON CONTACT AREA.

MECHANICAL:

DURABILITY: 750 CYCLES MIN.

MATING FORCE: 23N MAX.

OPERATING TEMPERATURE: 0°C~+70°C.

STORAGE TEMPERATURE: -40°C~+85°C.

ALL CRITICAL DIMENSIONS WITH "mm"

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

TITLE:
RJ45 1*4 1000BASE POE

PART NO.:
SYT414Q199DH7A2DP057

REMARK:

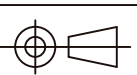
SIZE
A4

SCALE
1:1

SHEET
1/4

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

± 0.35
 ± 0.30

± 0.25
 ± 0.10

$\pm 3.0^\circ$
 $\pm 2.0^\circ$

$\pm 1.5^\circ$
 $\pm 1.0^\circ$

APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

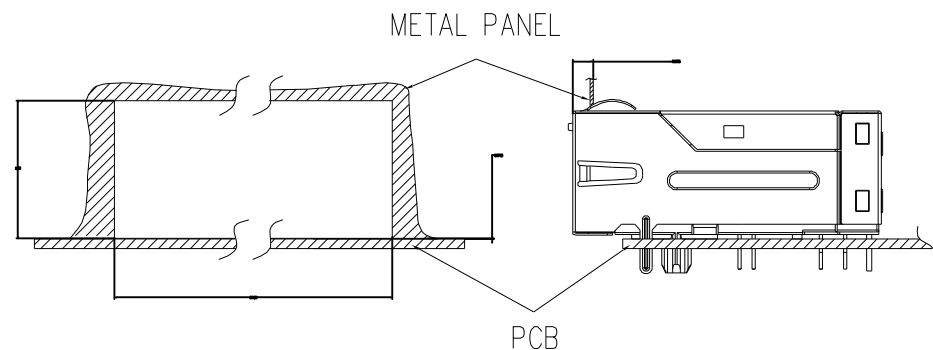
DESIGNED BY:
Sunny.Xu

TEL: +86 400 1048 018

WEB: WWW.VOOHU.CN

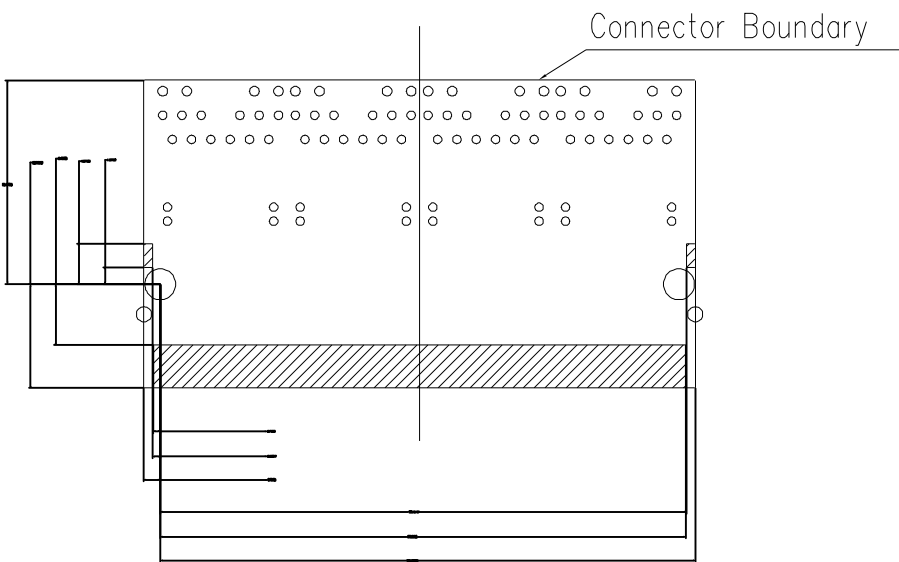
REACH & RoHS
COMPLIANT

Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

Keep-Out Area (Component Side View):



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

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TITLE:
RJ45 1*4 1000BASE POE

PART NO.:
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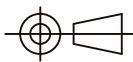
REMARK:

SIZE
A4
UNITS
MM[INCH]

SCALE
1:1

SHEET
2/4

REV
A0



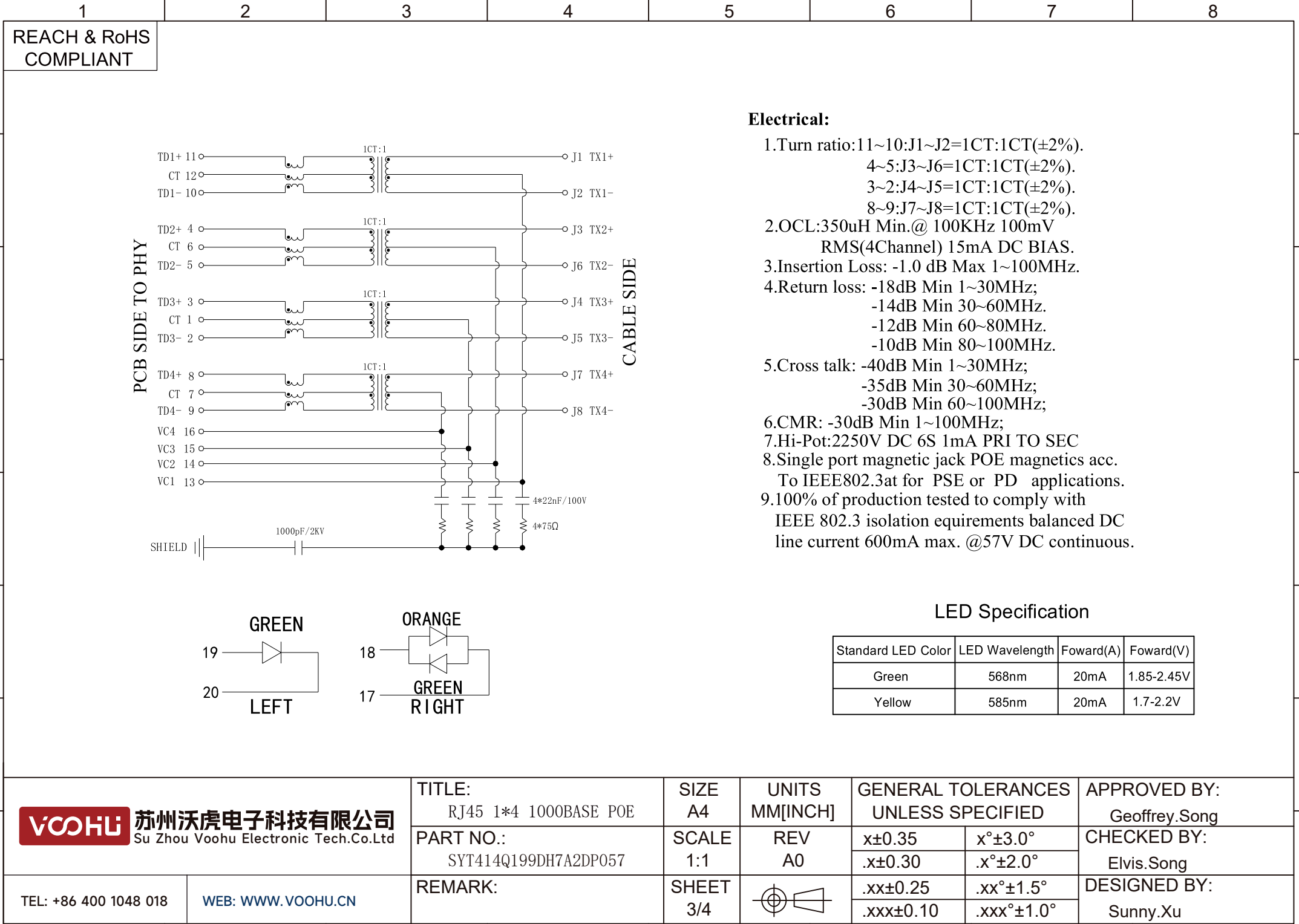
GENERAL TOLERANCES
UNLESS SPECIFIED

$x \pm 0.35$	$x^\circ \pm 3.0^\circ$
$.x \pm 0.30$	$.x^\circ \pm 2.0^\circ$
$.xx \pm 0.25$	$.xx^\circ \pm 1.5^\circ$
$.xxx \pm 0.10$	$.xxx^\circ \pm 1.0^\circ$

APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

DESIGNED BY:
Sunny.Xu



Electrical:

1.Turn ratio:11~10:J1~J2=1CT:1CT(±2%).

4~5:J3~J6=1CT:1CT(±2%).

3~2:J4~J5=1CT:1CT(±2%).

8~9:J7~J8=1CT:1CT(±2%).

2.OCL:350uH Min.@ 100KHz 100mV

RMS(4Channel) 15mA DC BIAS.

3.Insertion Loss: -1.0 dB Max 1~100MHz.

4.Return loss: -18dB Min 1~30MHz;

-14dB Min 30~60MHz.

-12dB Min 60~80MHz.

-10dB Min 80~100MHz.

5.Cross talk: -40dB Min 1~30MHz;

-35dB Min 30~60MHz;

-30dB Min 60~100MHz;

6.CMR: -30dB Min 1~100MHz;

7.Hi-Pot:2250V DC 6S 1mA PRI TO SEC

8.Single port magnetic jack POE magnetics acc.

To IEEE802.3at for PSE or PD applications.

9.100% of production tested to comply with

IEEE 802.3 isolation equirements balanced DC

line current 600mA max. @57V DC continuous.

LED Specification

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

VOOHU

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TITLE:

RJ45 1*4 1000BASE POE

PART NO.:

SYT414Q199DH7A2DP057

REMARK:

SIZE

A4

SCALE

1:1

SHEET

3/4

UNITS

MM[INCH]

REV

A0

GENERAL TOLERANCES

UNLESS SPECIFIED

x±0.35

.x±0.30

.xx±0.25

.xxx±0.10

x°±3.0°

.x°±2.0°

.xx°±1.5°

.xxx°±1.0°

APPROVED BY:

Geoffrey.Song

CHECKED BY:

Elvis.Song

DESIGNED BY:

Sunny.Xu

1

2

3

4

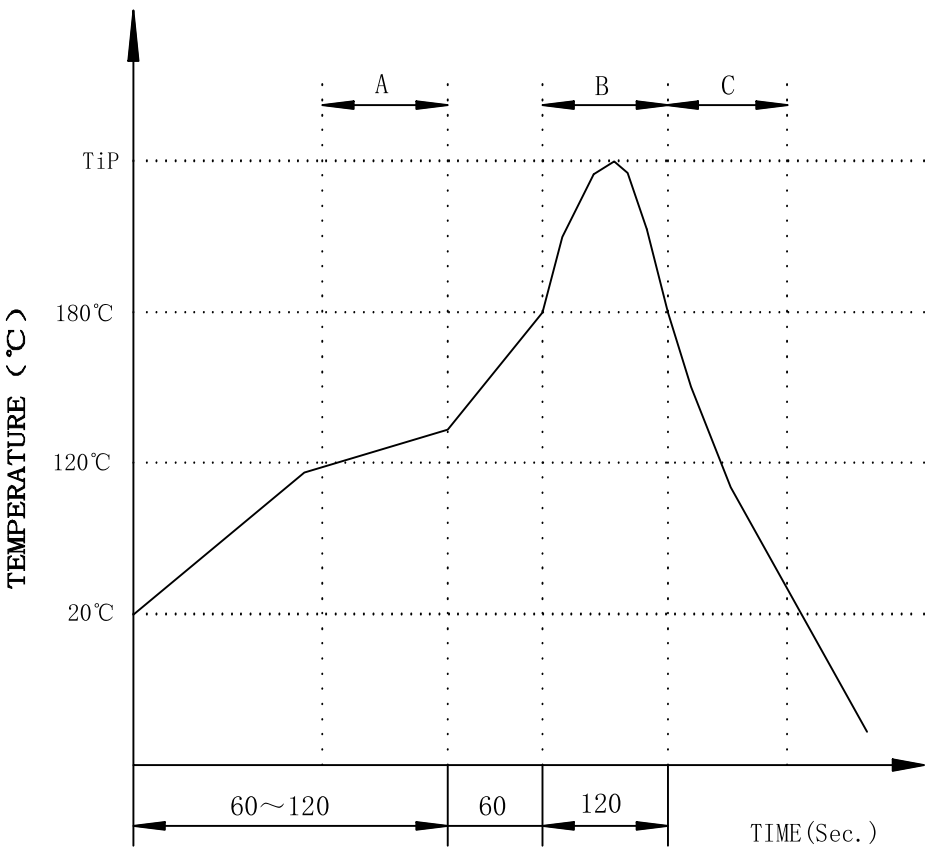
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8

PROFILE OF WAVE SOLDER



VOOHU 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd	TITLE: RJ45 1*4 1000BASE POE		SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song
	PART NO.: SYT414Q199DH7A2DP057		SCALE 1:1	REV A0	.xx±0.35	x°±3.0°	CHECKED BY: Elvis.Song
	REMARK:		SHEET 4/4		.xx±0.25	.xx°±1.5°	DESIGNED BY: Sunny.Xu
TEL: +86 400 1048 018		WEB: WWW.VOOHU.CN			.xxx±0.10	.xxx°±1.0°	