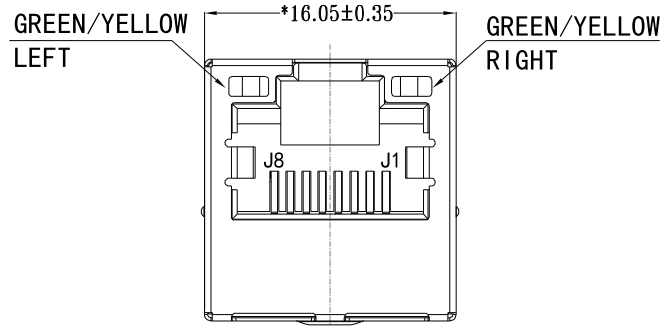
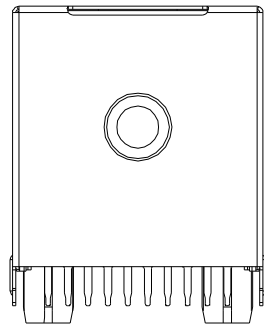


1
2
3
4
5
6
7
8

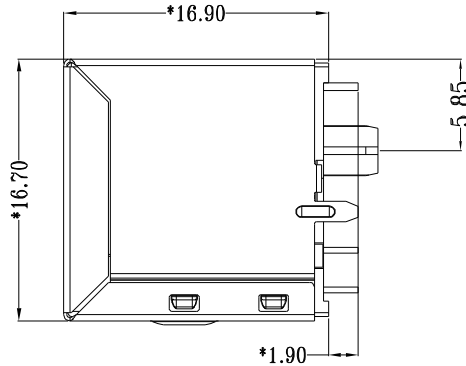
REACH & RoHS
COMPLIANT



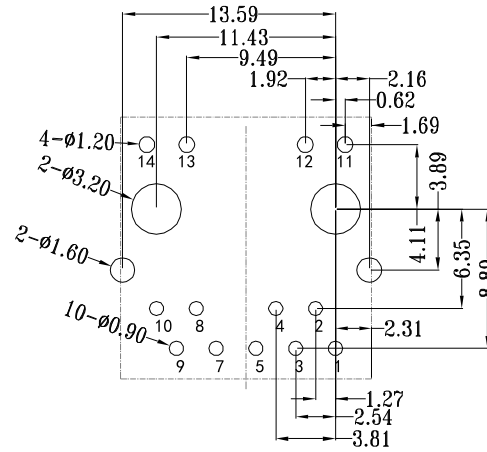
FRONT VIEW



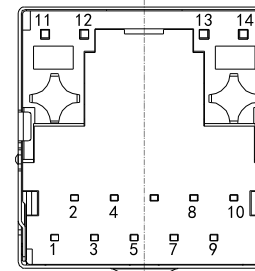
BOTTOM VIEW



RIGHT SIDE VIEW



RECOMMENDED PCB LAYOUT
VIEWED FROM COMPONENT SIDE



BACK VIEW

MATERIAL:

HOUSING: LCP,UL94V-0,BLACK.
TERMINALS BRACKET: LCP,UL94V-0,BLACK.
SHIELD: BRASS,T=0.20MM,NICKEL PLATING ON ALL AREA.
TERMINAL: PHOSPHOR BRONZE,T=0.35MM,
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:
180° TAB-UP 1X1 100BASE POE

SIZE
A4

UNITS
MM[INCH]

GENERAL TOLERANCES
UNLESS SPECIFIED

APPROVED BY:
Geoffrey.Song

PART NO.:
SYT511B142NG4A10DPQB19359

SCALE
1:1

REV
A0

x±0.35
.x±0.30

x°±3.0°
.x°±2.0°

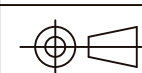
CHECKED BY:
Elvis.Song

TEL: +86 400 1048 018

WEB: WWW.VOOHU.CN

REMARK:

SHEET
1/4



.xx±0.25
.xxx±0.10

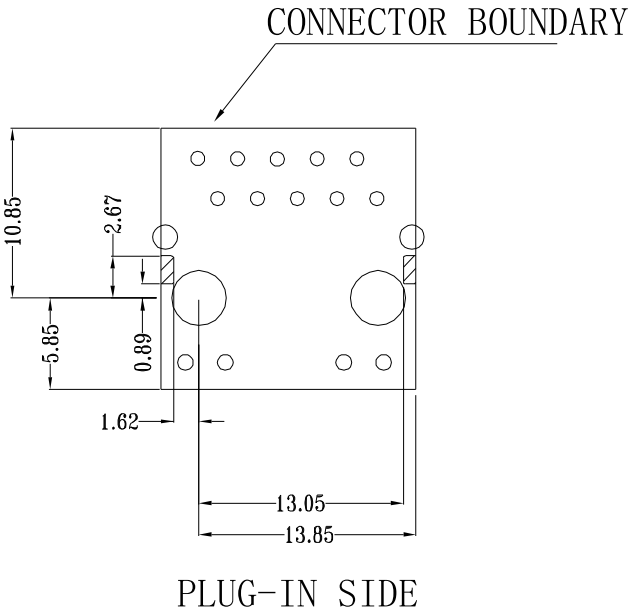
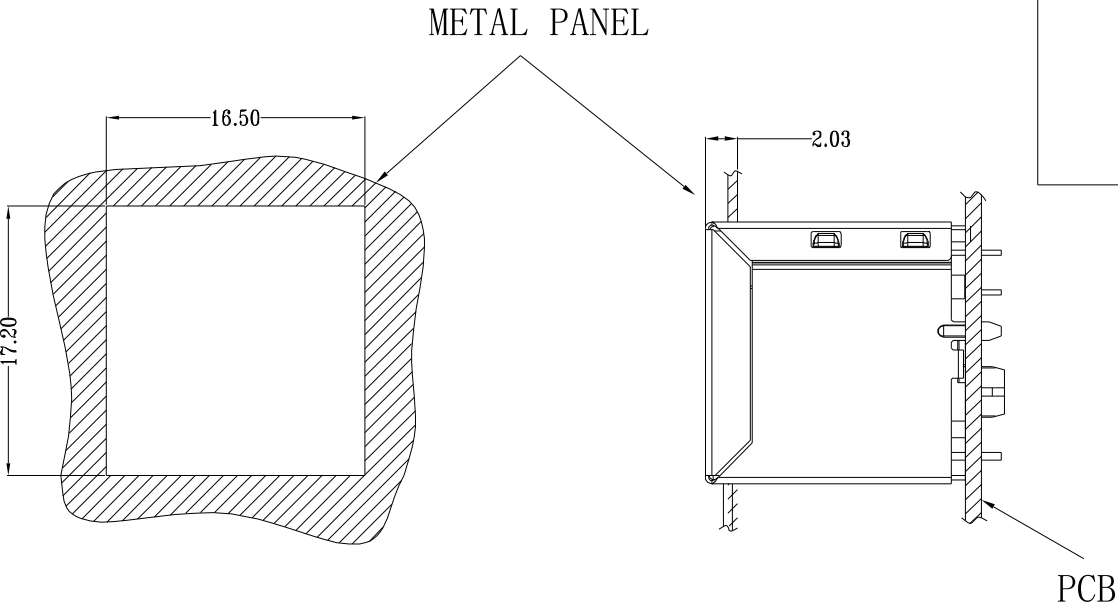
.xx°±1.5°
.xxx°±1.0°

DESIGNED BY:
Sunny.Xu

REACH & RoHS
COMPLIANT

Suggested Panel Opening:

Keep-Out Area (Component Side View):



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180° TAB-UP 1X1 100BASE POE
PART NO.:
SYT511B142NG4A10DPQB19359

SIZE
A4
SCALE
1:1
SHEET
2/4

UNITS
MM[INCH]
REV
A0

GENERAL TOLERANCES
UNLESS SPECIFIED
x ± 0.35
.x ± 0.30
.xx ± 0.25
.xxx ± 0.10
x° $\pm 3.0^\circ$
.x° $\pm 2.0^\circ$
.xx° $\pm 1.5^\circ$
.xxx° $\pm 1.0^\circ$

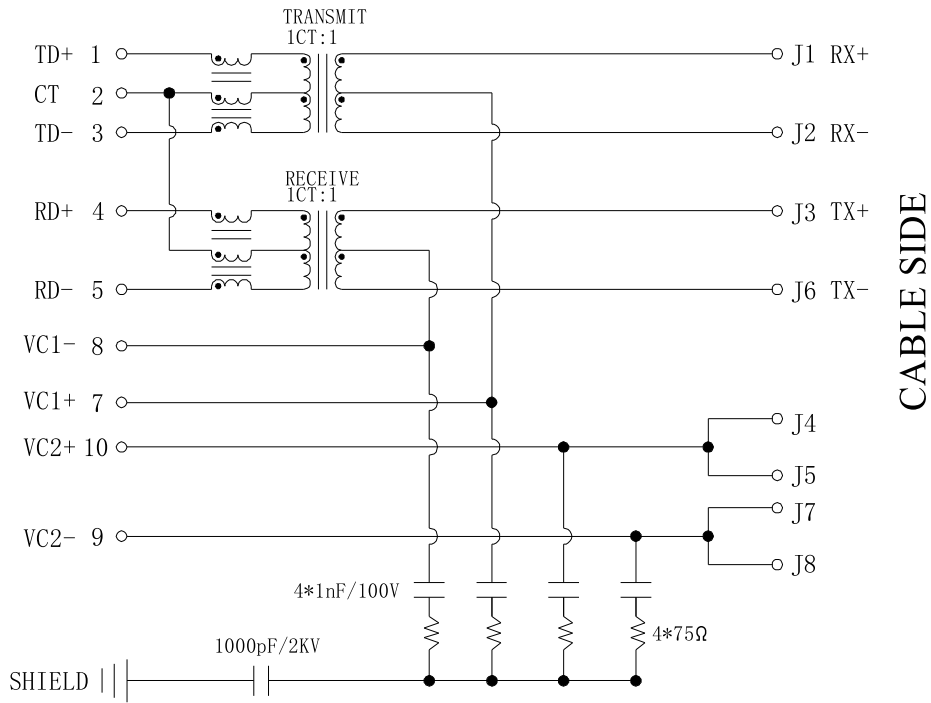
APPROVED BY:
Geoffrey.Song
CHECKED BY:
Elvis.Song
DESIGNED BY:
Sunny.Xu

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WEB: WWW.VOOHU.CN

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COMPLIANT

PCB SIDE TO PHY

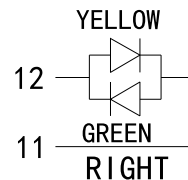
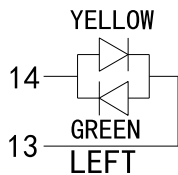


Electrical:

- 1.Turn ratio:1~3:J1~J2=1CT:1CT($\pm 2\%$).
4~5:J3~J6=1CT:1CT($\pm 2\%$).
- 2.OCL:350uH Min.@ 100KHz 100mV
RMS(4Channel) 8mA DC BIAS.
- 3.Insertion Loss: -1.2 dB Max 1~100MHz.
- 4.Return loss: -16dB Min 1~30MHz;
-12dB Min 30~60MHz.
-10dB Min 60~80MHz.
- 5.Cross talk: -30dB Min 1~100MHz;
- 6.CMR: -30dB Min 1~100MHz;
- 7.Hi-Pot:350V AC 6S 1mA PRI TO SEC
- 8.Single port magnetic jack POE magnetics acc.
To IEEE802.3af for PSE or PD applications.
- 9.100% of production tested to comply with
IEEE 802.3 isolation requirements balanced DC
line current 600mA max. @57V DC continuous.

LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	565nm	20mA	2.2-2.4V
Yellow	595nm	20mA	2.1-2.5V



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180° TAB-UP 1X1 100BASE POE

PART NO.:
SYT511B142NG4A10DPQB19359

REMARK:

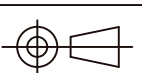
SIZE
A4

SCALE
1:1

SHEET
3/4

UNITS
MM[INCH]

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

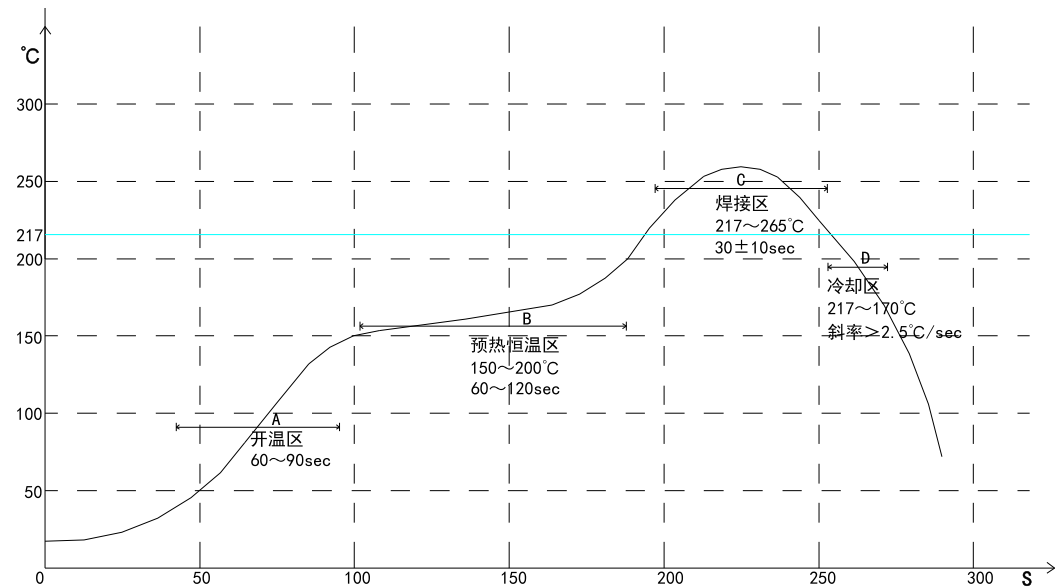
DESIGNED BY:
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COMPLIANT

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.

VOOHU 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd	TITLE: 180° TAB-UP 1X1 100BASE POE		SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song
	PART NO.: SYT511B142NG4A10DPQB19359		SCALE 1:1	REV A0	.x±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°	