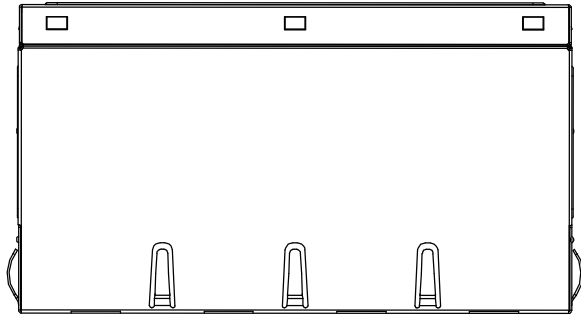
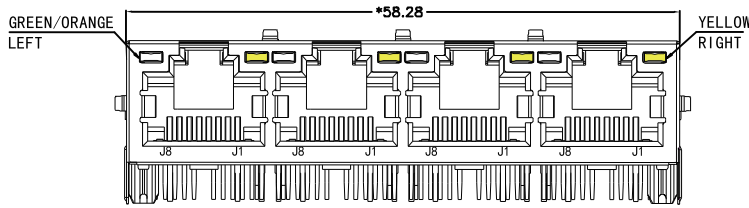


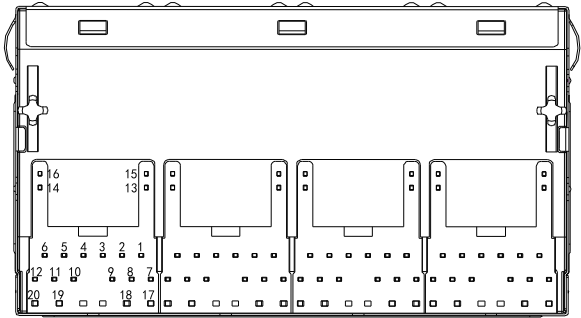
1		2		3		4		5		6		7		8		
REACH & RoHS COMPLIANT												REV.	ECN / DESCRIPTION		BY	DATE
												A0	NEW		Sunny.Xu	2018.07.10
												A1	INCREASE SIZE AND CHANGE PARAMETERS		Sunny.Xu	2021.12.03



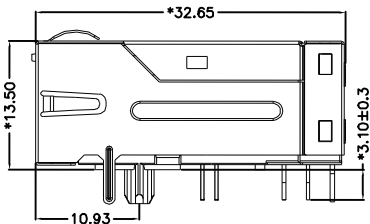
TOP VIEW



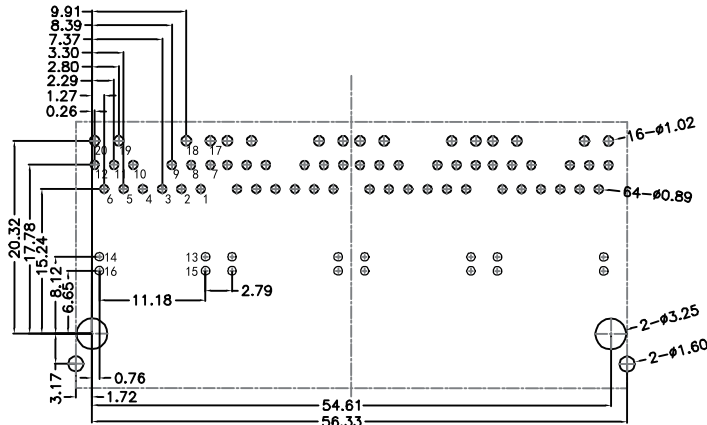
FRONT VIEW



BOTTOM VIEW



RIGHT SIDE VIEW



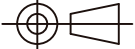
RECOMMENDED PCB LAYOUT
VIEWED FROM COMPONENT SIDE

MATERIAL:

HOUSING: PA66,UL94V-0,BLACK.
TERMINALS BRACKET: PA66,UL94V-0,BLACK.
SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.
TERMINAL: PHOSPHOR BRONZE C5191,T=0.35MM,
30U" GOLD PLATING ON CONTACT AREA.

MECHANICAL:

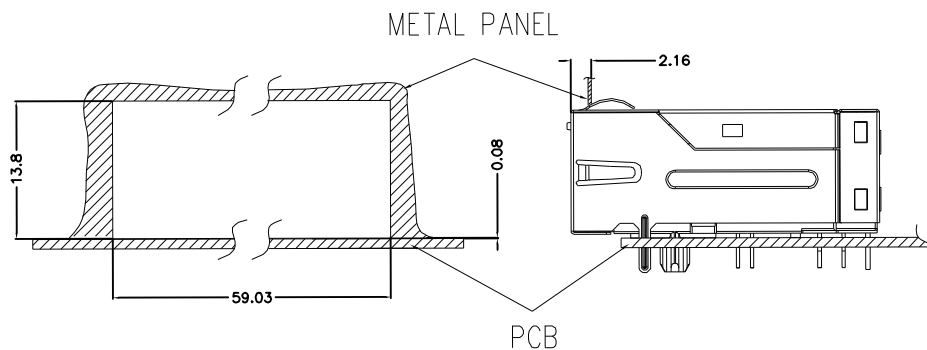
DURABILITY: 750 CYCLES MIN.
MATING FORCE: 23N MAX.
OPERATING TEMPERATURE: -40°C~+85°C.
STORAGE TEMPERATURE: -40°C~+85°C.
ALL CRITICAL DIMENSIONS WITH "*" "

 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.: SYT414Q874DF5A2DPB057		SCALE 1:1	REV A0	x±0.35	x°±3.0°	CHECKED BY:
TEL: +86 400 1048 018 WEB: WWW.WOHU-TEK.COM			REMARK:		SHEET 1/4		.x±0.30	.x°±2.0°	DESIGNED BY: Sunny.Xu
							.xx±0.25	.xx°±1.5°	
							.xxx±0.10	.xxx°±1.0°	

1
2
3
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8

REACH & RoHS
COMPLIANT

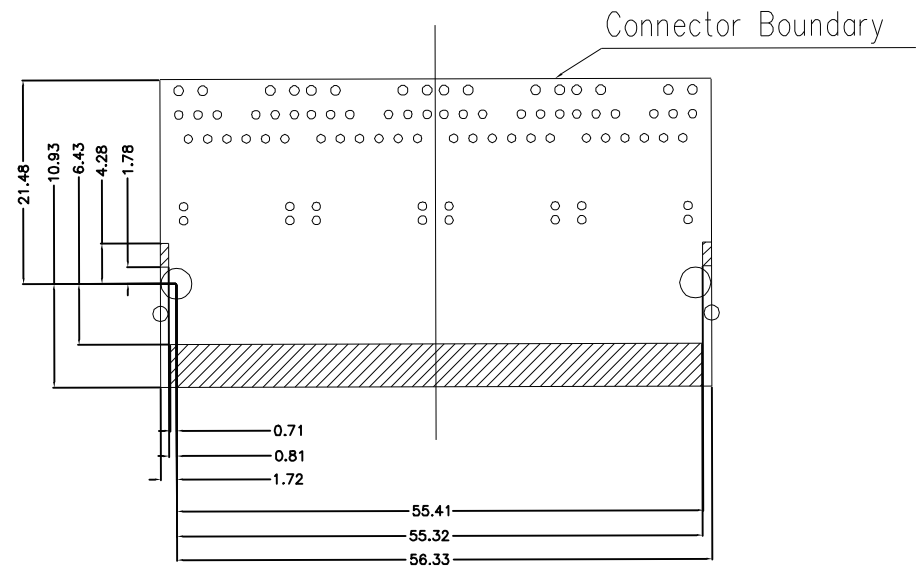
Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	Sunny.Xu	2018.07.10
A1	INCREASE SIZE AND CHANGE PARAMETERS	Sunny.Xu	2021.12.03

Keep-Out Area (Component Side View):



Plug-in side

UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

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.:
SYT414Q874DF5A2DPB057

REMARK:

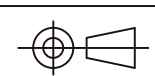
SIZE
A4

SCALE
1:1

SHEET
2/4

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

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

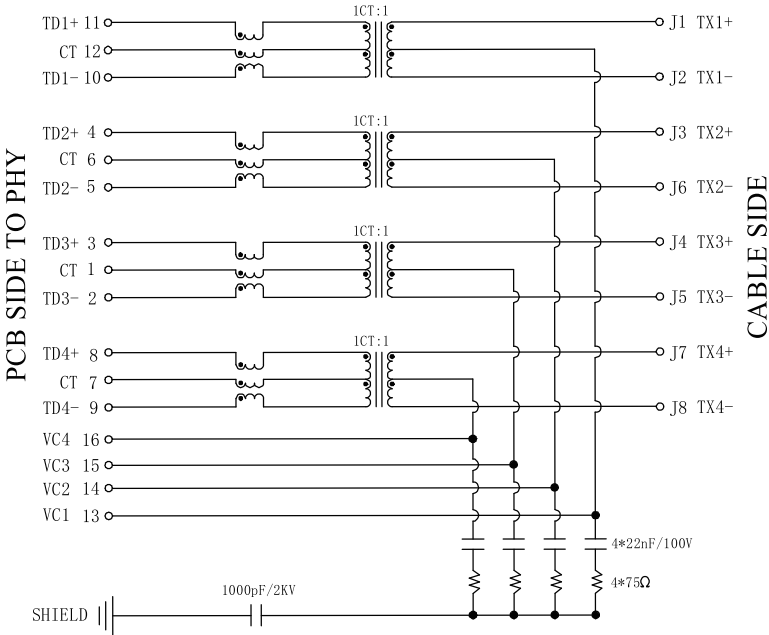
APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

DESIGNED BY:
Sunny.Xu

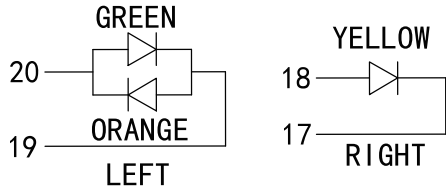
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Electrical:

- Turn ratio: 11~10:J1~J2=1CT:1CT($\pm 2\%$).
4~5:J3~J6=1CT:1CT($\pm 2\%$).
3~2:J4~J5=1CT:1CT($\pm 2\%$).
8~9:J7~J8=1CT:1CT($\pm 2\%$).
- OC: 350uH Min.@ 100KHz 0.1V 8mA DC BIAS
120uH Min.@ 100KHz 0.1V 19mA DC BIAS
- Insertion Loss: -1.0 dB Max 1~100MHz.
-1.2dB Max 100~125MHz.
- Return loss: -16dB Min 1~40MHz;
-12dB Min 40~60MHz.
-10dB Min 60~80MHz.
-8dB Min 80~100MHz.
- Cross talk: -30dB Min 1~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot: 2250V DC 6S 1mA PRI TO SEC
- Single port magnetic jack POE magnetics acc.
To IEEE802.3at for PSE or PD applications.
- 100% of production tested to comply with
IEEE 802.3 isolation requirements balanced DC
line current 1000mA max. 57V DC continuous.



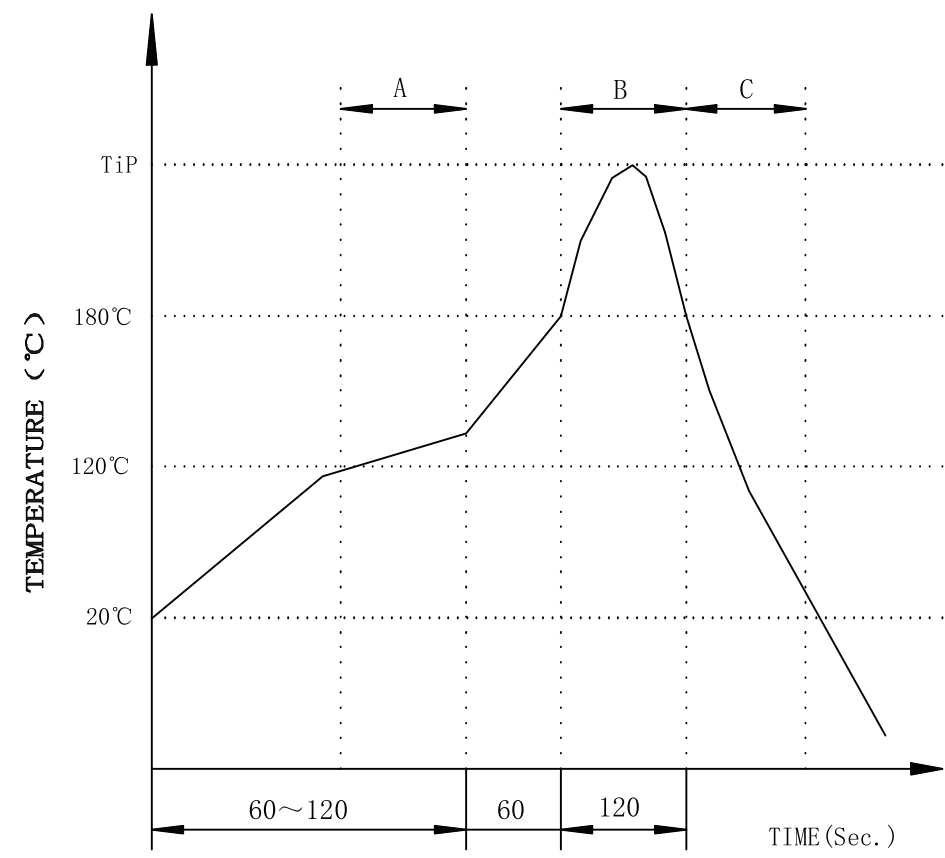
LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	565nm	20mA	2.2-2.4V
Yellow	590nm	20mA	2.1-2.5V
Orange	605nm	20mA	2.0-2.5V

REACH & RoHS
COMPLIANT

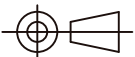
REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	Sunny.Xu	2018.07.10
A1	INCREASE SIZE AND CHANGE PARAMETERS	Sunny.Xu	2021.12.03

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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	PART NO.: SYT414Q874DF5A2DPB057		SCALE 1:1	REV A0	x±0.35 .x±0.30	x°±3.0° .x°±2.0°	CHECKED BY: Elvis.Song
	REMARK:		SHEET 4/4		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGNED BY: Sunny.Xu

TEL: +86 400 1048 018

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