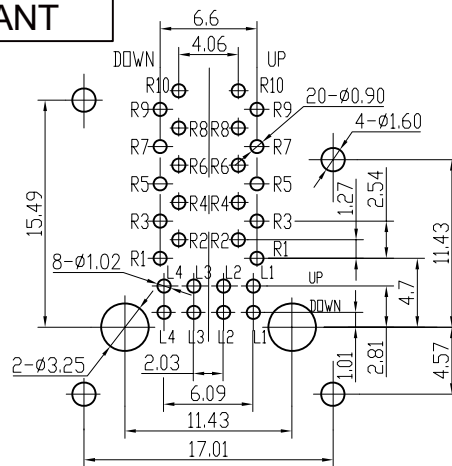
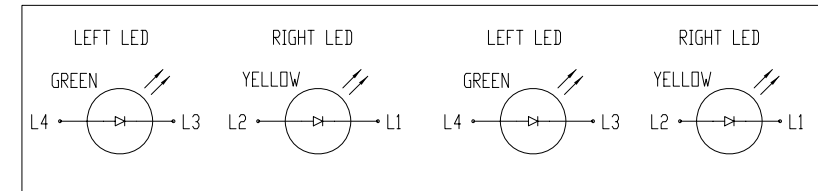
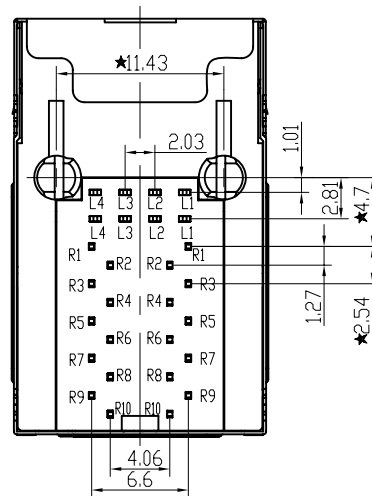


REACH & RoHS
COMPLIANT



PCB BOARD LAYOUT



LED Specification

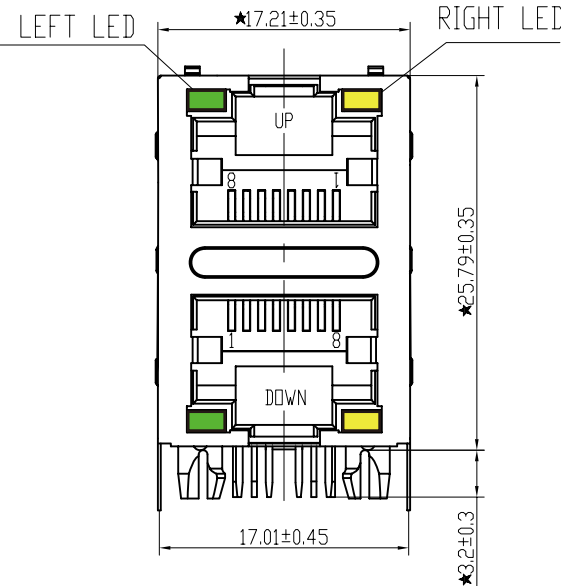
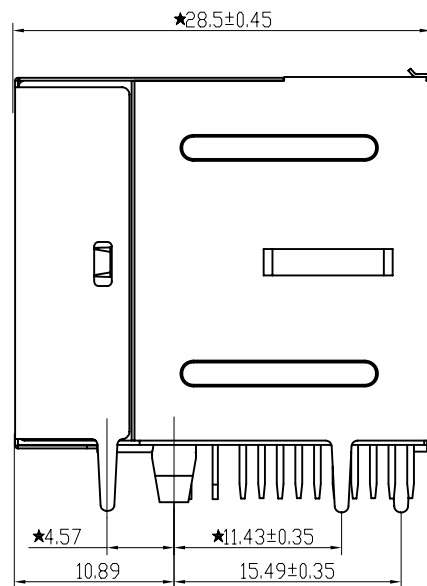
Standard LED Color	LED Wavelength	Forward (V MAX)	Typical (V TYP)	Luminous Intensity
Green	560-580 nm	2.5V	2.1-2.2V	9-25 MCD
Yellow	580-610 nm	2.5V	2.1-2.2V	9-30 MCD
Orange	580-610 nm	2.5V	2.1-2.2V	50-100 MCD

- LED intensity/wavelength measured with Photo Research PR-650 Colormeter
- With a forward current of 20 mA, Absolute Maximum Ratings (Ta=25°C)

Specification:

1: TOLERANCES UNLESS OTHERWISE SPECIFIED :
0~10±0.15, 10~20±0.2, 20~40±0.25,
40~70±0.3, ≥70±0.4

2: JACK CAVITY CONFORMS TO FCC RULES AND
REGULATIONS, PART 68 SUBPART F.



TITLE:
RJ45 2×1 1000BASE

PART NO.:
SYT21Q042AB2A2D057

REMARK:

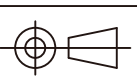
SIZE
A4

SACLE
1:1

SHEET
1/2

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

x±0.35
.x±0.30
.xx±0.25
.xxx±0.10

APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

DESIGND BY:
Sunny.Xu

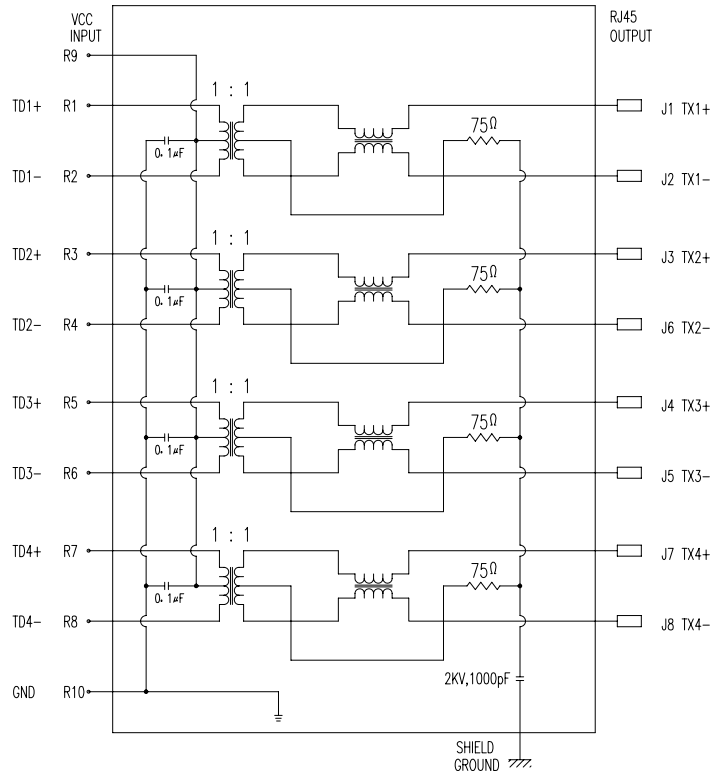
VOOHU 苏州沃虎电子科技有限公司
Su Zhou Voohu Electronic Tech.Co.Ltd

TEL: +86 400 1048 018

WEB: WWW.VOOHU.CN

REACH & RoHS
COMPLIANT

SCHEMATIC RV1



DESCRIPTION

ELECTRICAL: RJ45 With internal Magnetics Connector

Designde to support such applications as:Ethernet Equipment Complex,Switches,Routers,Firewalls,Servers and Hub

Internal magnetics are 100% electrically tested for functionality per IEEE802.3 requirement

OC:100KHz 100mV 8mA 350uH Min; TURNS RATIO:10KHz 1V TRD1/2/3/4 1CT:1CT ±2%

HI-POT:IN PUT TO OUT PUT 2250V DC 60Sec; OUT PUT TO SHIELD 2250V DC 60Sec

RoHS peak wave solder temperature rating 260℃ 5sec

MECHANICAL: JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,PART 68 SUBPART F.

INSERTION FORCE: 8 CONTACTS--900g,10 CONTACTS--1050g

RETENTION STRENGTH: 7.7Kgs BETWEEN JACK AND PLUG

DURABILITY: 750 MATING CYCLES Mini

MATERIAL: HOUSING: 1) GLASS FILLED PA66 (UL 94V-0)

2) GLASS FILLED PA46/PA6T/PA9T/LCP<265℃> (UL 94V-0)

3) GLASS FILLED PBT/PA/ABS/PC (UL 94V-0)

SPRING WIRE: 0.25-0.35mm THICKNESS PHOSPHOR BRONZE ALLOY ;BOTTOM LAYER NICKEL (30-50μ")
BETWEEN RRIGHT TIN (60-120μ");OVER SELECTIVE GOLD PLATING

GOLD PLATING: 3μ", 6μ", 15μ", 30μ", 50μ"

Signal pin: 0.4*0.4 THICKNESS COPPER ALLOY WITH BOTTOM LAYER NI 30~50U" OVER BRIGHT TIN 60~120U"

SHIELDING: 0.2-0.24mm THICKNESS COPPER ALLOY WITH HALF BRIGHT NICKEL (50-100μ") PLATED

Storage: -40℃~85℃ Relative Humidity<70%

Operating: -40℃~85℃

ELECTRICAL SPECIFICATIONS AT 25℃

Insertion Loss dB max	Return Loss dB min		Crosstalk(dB TYP)	Common Mode Rejection (dB TYP)	Hipot(Vrms)
1-125MHz	1-30MHz	30- 80MHz	1- 100MHz	1-100MHz	
-1.2	-18	-18+20log(f/30MHz)	-30	-30	1500/0.5mA OR 2250DC/0.1mA

TITLE:

RJ45 2×1

SIZE
A4

UNITS
MM[INCH]

GENERAL TOLERANCES
UNLESS SPECIFIED

APPROVED BY:

Geoffrey.Song

PART NO.:

SYT21Q042AB2A2D057

SACLE
1:1

REV
A0

x±0.35
.x±0.30

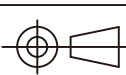
x°±3.0°
.x°±2.0°

CHECKED BY:

Elvis.Song

REMARK:

SHEET
2/2



.xx±0.25
.xxx±0.10

.xx°±1.5°
.xxx°±1.0°

DESIGND BY:

Sunny.Xu

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