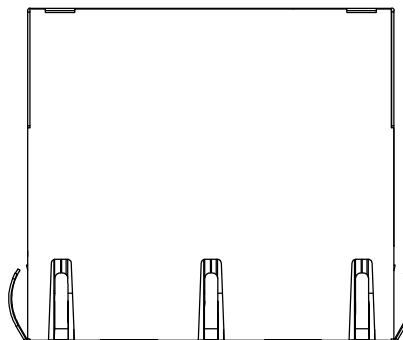
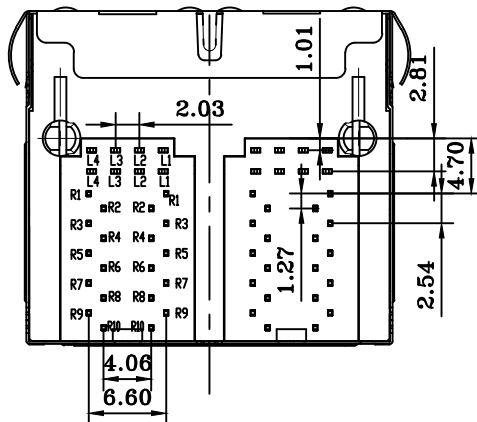
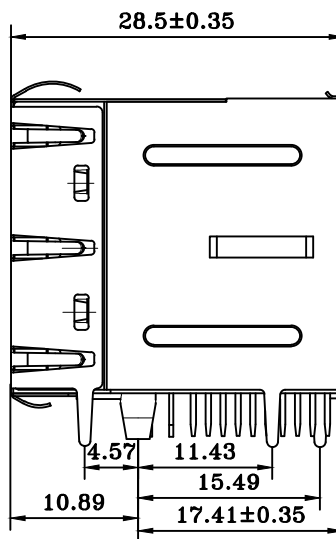
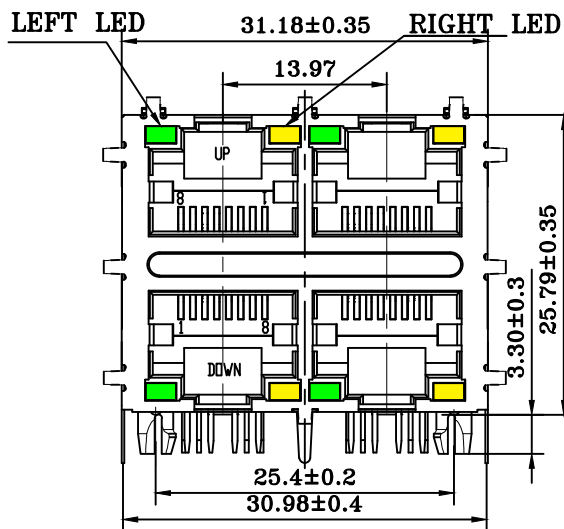
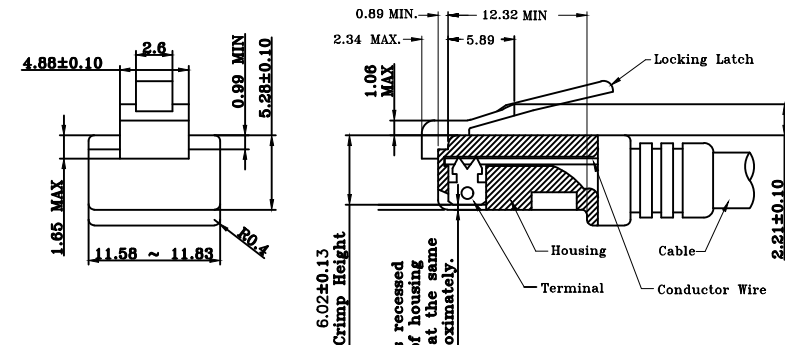


REACH & RoHS
COMPLIANT



1.Recommend Plug Dim



All dimensions follow :
FCC subpart F, 68,500, Figure (C)(2)(i)
IEC 60603-7

STANDARD MODULAR PLUG ASSEMBLY

DESCRIPTION:

RJ45 With internal Magnetics Connector
Designed to support such applications as: Ethernet Equipment Complex, Switches, Routers, Firewalls, Servers and Hub
Internal magnetics are 100% electrically tested for functionality per IEEE802.3af/at requirement

ELECTRICAL:

RoHS peak wave solder temperature rating 235°C
High performance for maximum EMI suppression
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

INSERTION FORCE: 2 CONTACTS-----350g 4 CONTACTS-----500g
6 CONTACTS-----750g 8 CONTACTS-----900g
10 CONTACTS-----1050g

MECHANICAL:

RETENTION STRENGTH: 7.7Kgs BETWEEN JACK AND PLUG

DURABILITY: 750 MATING CYCLES Mini

HOUSING: 1) GLASS FILLED PA66 (UL 94V-0)
2) GLASS FILLED PA46/LCP (UL 94V-0)
3) GLASS FILLED PBT (UL 94V-0)

MATERIAL:

SPRING WIRE:

1) 0.2-0.45mm DIA PHOSPHOR BRONZE GOLD PLATING OVER NICKEL
2) 0.2-0.35mm THICKNESS PHOSPHOR BRONZE ALLOY SELECTIVE GOLD PLATING OVER NICKEL;

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

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

NOTES : 1. Tolerance : PCB ±0.05mm

Connector ±0.25mm

2. Connector dimensions comply with FCC 68.5 dimension requirements

TITLE:

2X2Port 2.5/5G BASE-T

SIZE

A4

UNITS

MM[INCH]

GENERAL TOLERANCES

UNLESS SPECIFIED

APPROVED BY:

Geoffrey.Song

PART NO.:

WHB59S8602223C12

SCALE

1:1

REV

A0

x±0.35

.x±0.30

x°±3.0°

.x°±2.0°

CHECKED BY:

Elvis.Song

REMARK:

W/SHELL W/LED

SHEET

1/2



.xx±0.25

.xxx±0.10

.xx°±1.5°

.xxx°±1.0°

DESIGNED BY:

Sunny.Xu

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

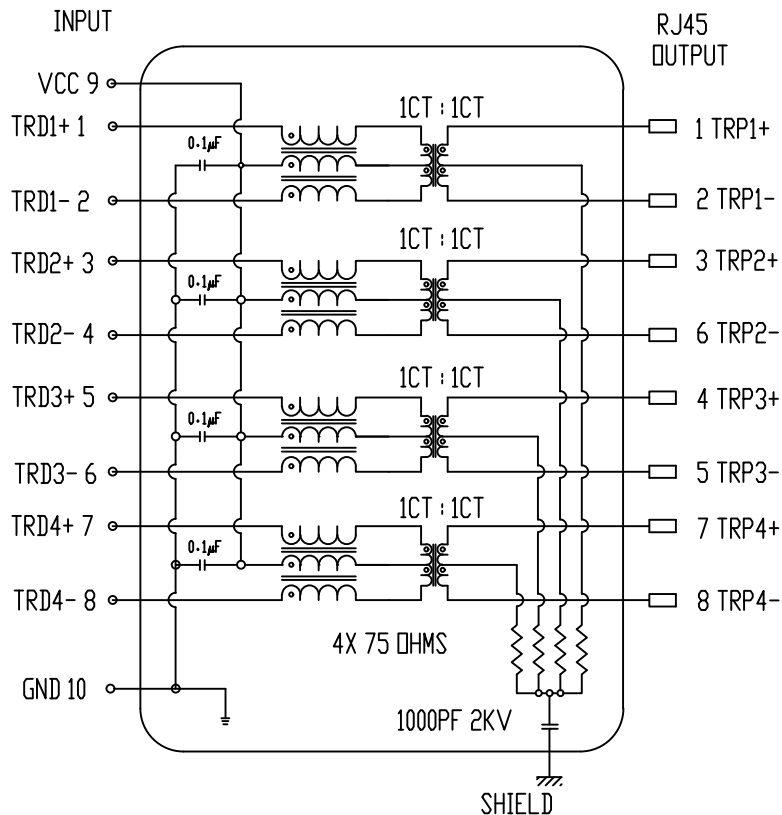
TEL: +86 400 1048 018

WEB: WWW.VOOHU.CN

REACH & RoHS
COMPLIANT

Meets or exceeds IEEE 802.3 standard for 2.5/5G Base-T
120 uH minimum OCL with 8mA DC bias current
Available with or without LEDs
Minimum 1500Vrms isolation per IEEE802.3 requirement
Operating temperature -40°C to +85°C
Storage temperature -40°C to +85°C

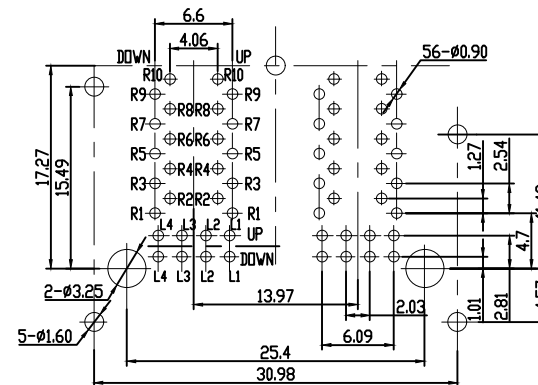
3.SCHEMATIC:



2.TRANSFORMER ELECTRICAL SPECIFICATIONS AT 25°C;

Insertion Loss (dB max.)			Return Loss (dB min.)				C.M.R. (dB min.)	Hi - pot (Vrms)
1-40 MHz	40-125 MHz	125-400 MHz	1-40 MHz	40-80 MHz	100-125 MHz	125-400 MHz	1-250 MHz	60Hz/1min.
-0.8	-1.2	-3.0	-16	-14	-12	-8	-40	1500

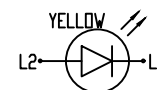
4.Pin Assignment For PCB Layout



Suggested PCB Pad Layout
Component Side View



LEFT LED



RIGHT LED

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

LED Specification

TITLE:
2X2Port 2.5/5G BASE-T

PART NO.:
WHB59S8602223C12

REMARK:
W/SHELL W/LED

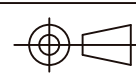
SIZE
A4

SCALE
1:1

SHEET
2/2

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

DESIGNED 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