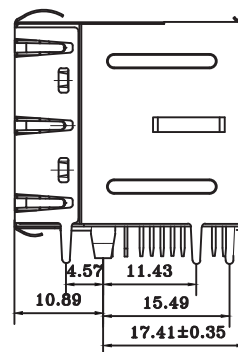
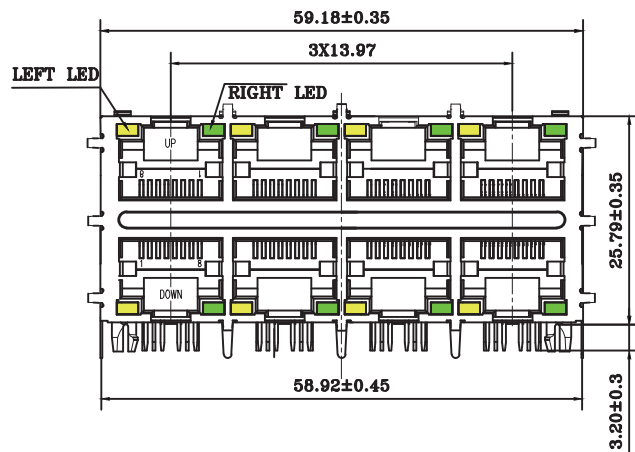


REACH & RoHS
COMPLIANT



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 260°C
High performance for maximum EMI suppression
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

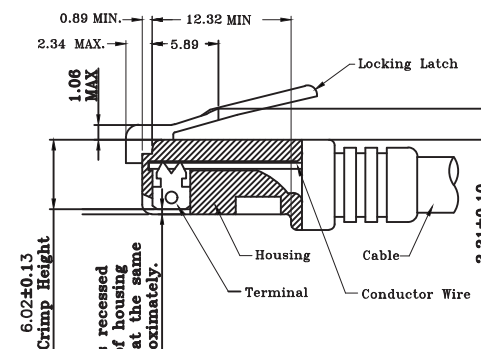
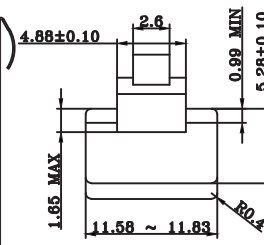
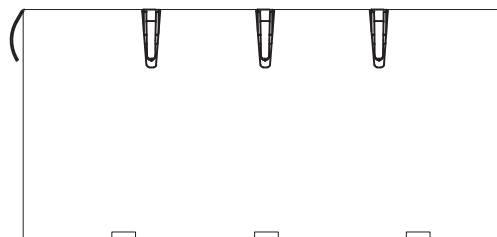
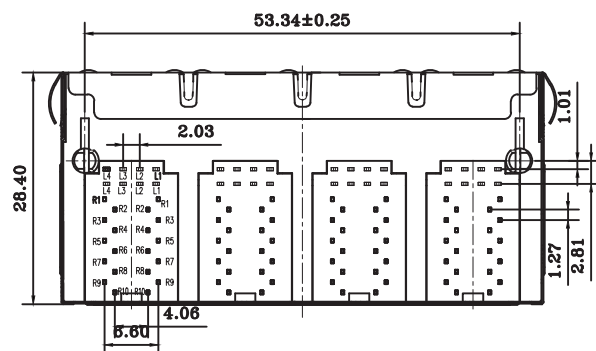
INSERTION FORCE:
2 CONTACTS----350g 4 CONTACTS----500g
6 CONTACTS----750g 8 CONTACTS----900g
10 CONTACTS----1050g

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

1. Recommend Plug Dim



All contacts recessed below top of housing and must be at the same height approximately.

All dimensions follow :
FCC subpart F, 68.500, Figure (C)(2)(i)
IEC 60603-7

STANDARD MODULAR PLUG ASSEMBLY

- NOTES : 1. Tolerance : PCB ±0.05mm
Connector ±0.25mm
2. Connector dimensions comply with FCC 68.5 dimension requirements

TITLE: 2X4Port 10/100/1000BASE
W/SHELL W/LED(-40c +85° c)

SIZE
A4

UNITS
MM[INCH]

GENERAL TOLERANCES
UNLESS SPECIFIED

APPROVED BY:
Geoffrey.Song

PART NO.:
WH59G82604123C12

SCALE
1:1

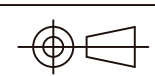
REV
A0

x±0.35
x°±3.0°
.x±0.30
.x°±2.0°
.xx±0.25
.xx°±1.5°
.xxx±0.10
.xxx°±1.0°

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

REMARK:

SHEET
1/2



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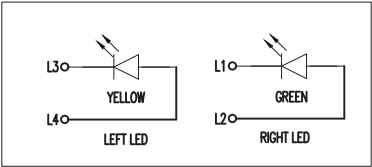
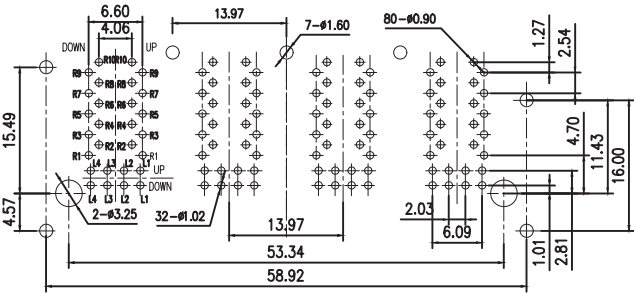
REACH & RoHS
COMPLIANT

Meets or exceeds IEEE 802.3 standard for 10/100/1000 Base-T
350 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
Surge protectionIEC 61000-4-5(Lightning)(10/700 uS)Line to Line :2kv Line to GND :4kv
ESD protection IEC 61000-4-5(ESD) 15 KV(Air) 8 KV(Contact)

2.TRANSFORMER ELECTRICAL SPECIFICATIONS AT 25°C;

Insertion Loss (dB max.)	Return Loss (dB min.)				Cross talk (dB min.)			C.M.R. (dB min.)		Hi - pot (Vrms)
1-125MHz	1-30 MHz	30-60 MHz	60-80 MHz	80-100 MHz	1-30 MHz	30-60 MHz	60-100 MHz	10-60 MHz	60-100 MHz	60Hz/1min.
-1.2	-18	-16	-12	-10	-40	-35	-30	-40	-30	1500

4.Pin Assignment For PCB Layout

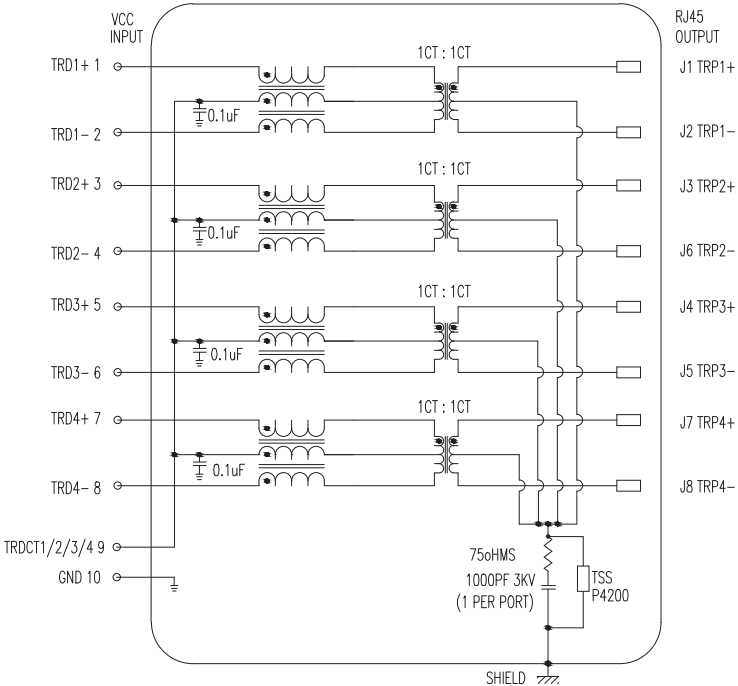


Standard LED Color	LED Wavelength	Forward (V MAX)	Typical (V TYP)	Luminous Intensity
Green	560-580 nm	2.5V	2.1-2.2V	9-25 MCD
Yellow	580-610 nm	2.5V	2.1-2.2V	9-30 MCD
Orange	580-610 nm	2.5V	2.1-2.2V	50-100 MCD

Suggested PCB Pad Layout
Component Side View

LED Specification

3.SCHEMATIC:



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WEB: WWW.WOHU-TEK.COM

TITLE: 2X4Port 10/100/1000BASE
W/SHELL W/LED(-40c +85° c)

PART NO.:
WH59G82604123C12

REMARK:

SIZE
A4

SCALE
1:1

SHEET
2/2

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