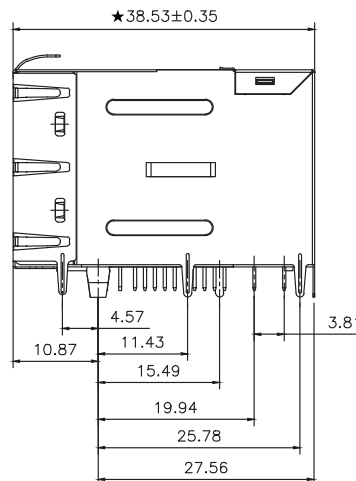
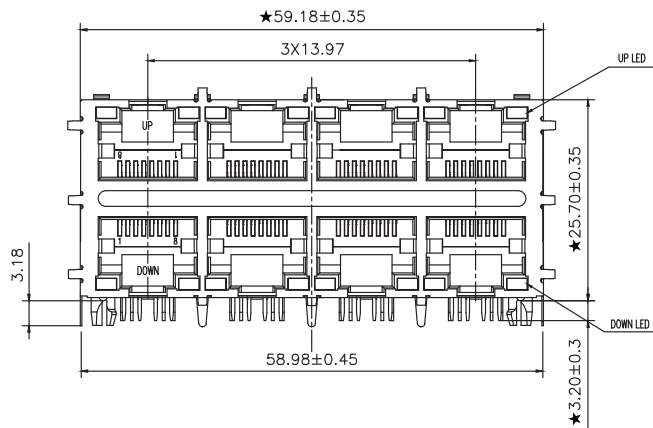




DESCRIPTION:
RJ45 With internal Magnetics Connector
Designed to support such applications as: Ethernet Equipment Complex, Switches, Routers, Firewalls, Servers and Hub
Internal magnetics are 100% electrically tested for functionality per IEEE802.3af/at requirement

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.

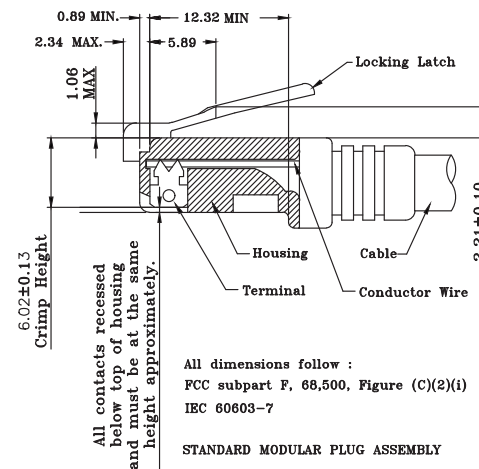
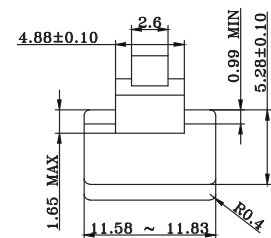
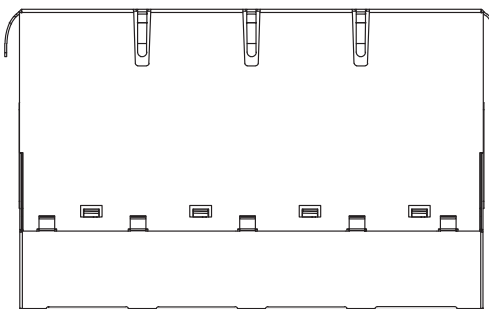
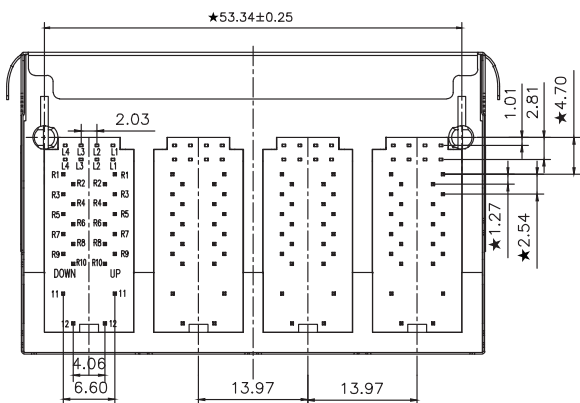
INSERTION FORCE:
2 CONTACTS-----350g 4 CONTACTS-----500g
6 CONTACTS-----750g 8 CONTACTS-----900g
10 CONTACTS-----1050g

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: 3 μ", 6 μ", 15 μ", 30 μ", 50 μ"

1.Recommend Plug Dim



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

TITLE:
B59(118-215)GP8-235-4626-C12

PART NO.:
WHB59GP8-235-4626-C12(118-215)

REMARK:

SIZE
A4

UNITS
MM[INCH]

SACLE
1:1

REV
A0

SHEET
1/2

GENERAL TOLERANCES
UNLESS SPECIFIED

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

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

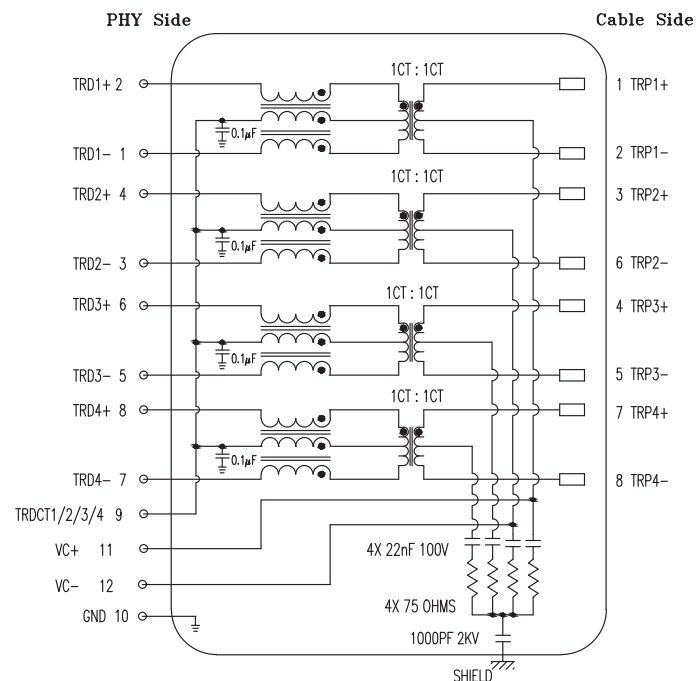
WEB: WWW.WOHU-TEK.COM

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
DC Current/Voltage Rating-PoE: 720mA MAX @57VDC(Continuous)
Operating temperature -40°C to +85°C
Storage temperature -40°C to +85°C

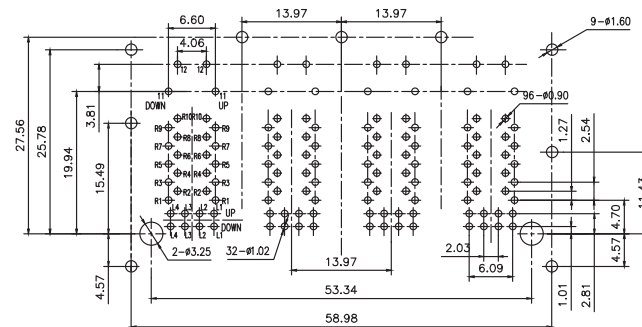
2. TRANSFORMER ELECTRICAL SPECIFICATIONS AT 25°C:

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

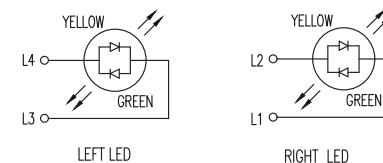
3.SCHEMATIC:



4.Pin Assignment For PCB Layout



Suggested PCB Pad Layout
Component Side View



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 Specification

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

TITLE:
B59 (118-215)GP8-235-4626-C12
PART NO.:
WHB59GP8-235-4626-C12 (118-215)

REMARK:

SIZE
A4

SACLE
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
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DESIGND BY:	Sunny.Xu
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