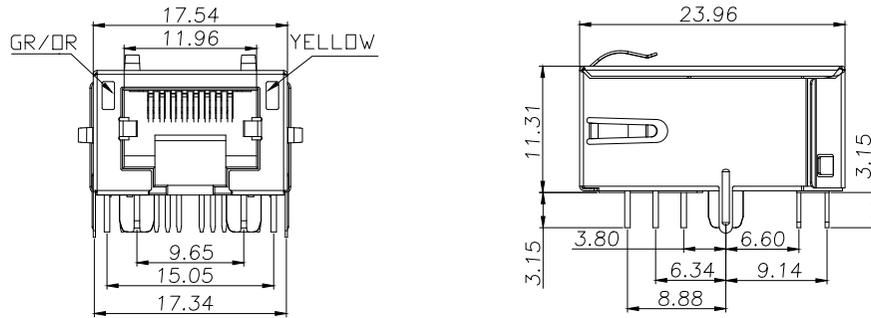


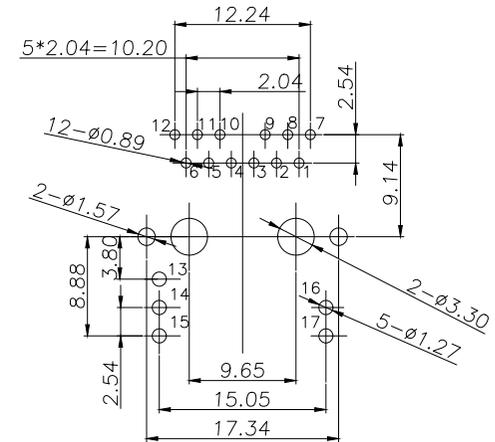


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1. MECHANICAL DIMENSIONS :



2. PCB LAYOUT :

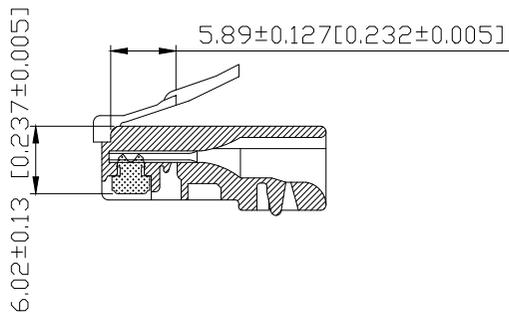


SUGGESTED PCB LAYOUT
(TOP VIEW)

NOTES:

- MATERIAL:
HOUSING: HIGH TEMPERATURE LCP UL94V-0 BLACK
CONTACTS: T=0.35mm, PHOSPHOR BRONZE,
NICKEL 50µ*MIN UNDERPLATE ON ALL AREA,
TIN 80µ*MIN ON TERMINATION END,
GOLD 6U ON CONTACT AREA.
SHIELD: T=0.20mm, NICKEL 30µ*MIN PLATING
- OPERATING TEMPERATURE : 0°C~70°C
STORAGE TEMPERATURE : -40°C~85°C
- CAVITY CONFORMS TO FCC RULES AND REGULATIONS
PART 68, SUBPART F.

RECOMMENED PLUG DIMENSION:



For technical support, please send an email to support@vitalconn.com

TOLERANCE UNSPECIFIED . ±0.50 .0 ±0.38 .00 ±0.25 .00 ±0.10 ANGLE ±3.0° MANUFACTURING COPY		VITALCON a vital connector company		FOR YOUR VITAL CONNECTION	
TITLE:		RJ45 Connectors, W/LED, 12P, 8C, 1000 Mbps /FILTER			
DRAWN BY:	Zou Long	PART NO:	J11HG15P3DLF1	REV: A	
CHECKED BY:	Bob	SIZE: A1	UNIT:mm	SHEET:1 OF 2	FCN: F1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

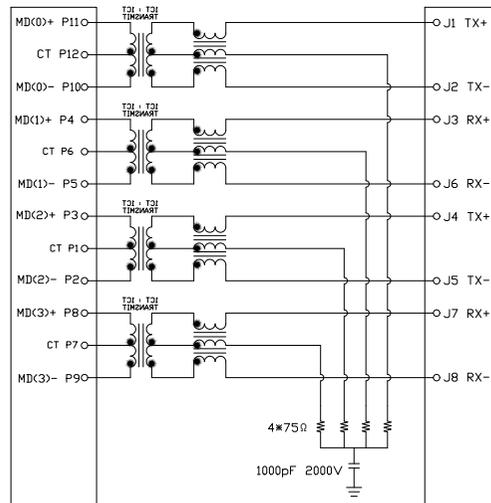


REV:	ECN. NO.	NAME	DATE
A0	-----	NEW RELEASE	04-19-2024

3. SCHEMATIC:

CONNECTOR SOLDER SIDE

RJ45 CONTACT SIDE



5. LED CONFIGURATION :



4. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25±5°C)

1.TR:(100KHz,0.1V);

INPUT TO OUTPUT=1:1±3%

2.LX:(100KHz,100mV,8mA, DC Bias)

350uH MINIMUM

3.DCR:

1.2 OHMS MAXIMUM

4.HIPOT:

INPUT TO OUTPUT=1500VAC FOR 60 SECONDS

5.INSERTION LOSS:

-1.0dB MAXIMUM AT 0.3MHz TO 100MHz;

6.RETURN LOSS:

-20dB MINIMUM AT 1MHz TO 30MHz;

-15dB MINIMUM AT 30MHz TO 60MHz

-10dB MINIMUM AT 60MHz TO 80MHz

7.CROSS TALK:

-30dB MINIMUM AT 1MHz TO 100MHz

8.COMMON TO COMMON MODE REJECTION:

-30dB MINIMUM AT 1MHz TO 100MHz

TOLERANCE UNSPECIFIED	±0.50
.	±0.38
.0	±0.25
.00	±0.10
ANGLE	±3.0°
MANUFACTURING COPY	



FOR YOUR VITAL CONNECTION

TITLE:

RJ45 Connectors, W/LED, 12P, 8C, 1000 Mbps /FILTER

DRAWN BY:

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PART NO:

J11HG15P3DLF1

REV: A

CHECKED BY:

Bob

SIZE: A1

UNIT:mm

SHEET:2 OF 2

FCN: F1

APPROVED BY:

QPF

PROJECTION



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