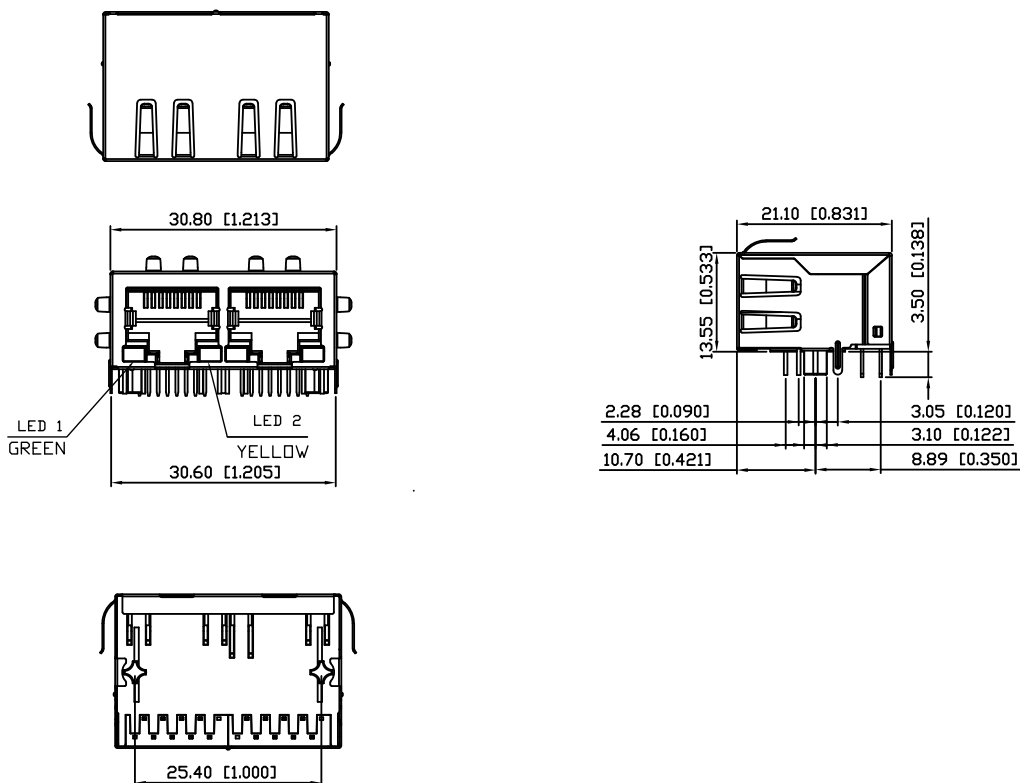




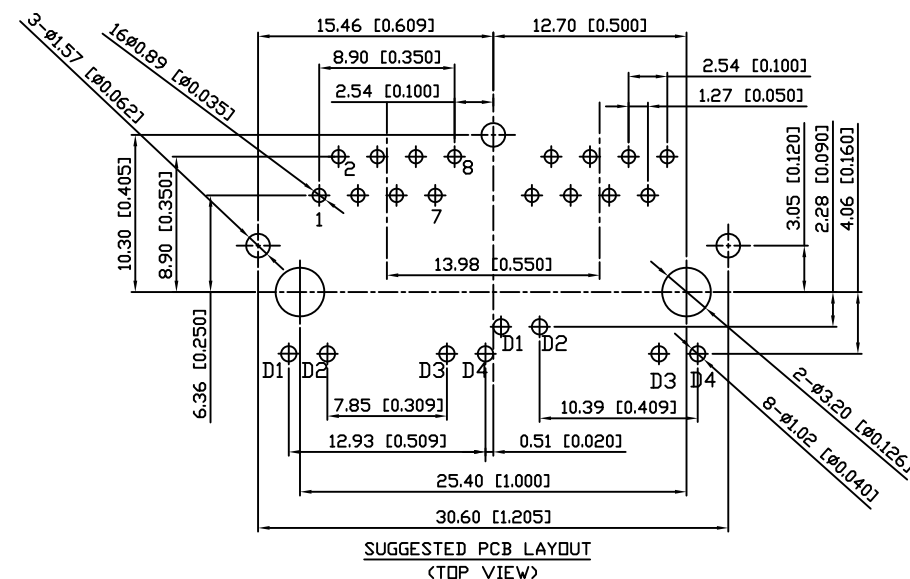
2. PCB LAYOUT :

REV:	ECN. NO.	NAME	DATE
A1	-----	-----	11-24-2025

1. MECHANICAL DIMENSIONS :



RECOMMENED PLUG DIMENSION:



NOTES:

1. MATERIAL:

HOUSING: HIGH TEMPERATURE PBT UL94V-0 BLACK
CONTACTS: T=0.35mm, PHOSPHOR BRONZE,
NICKEL 50u"MIN UNDERPLATE ON ALL AREA,
TIN 80u"MIN ON TERMINATION END,
GOLD 6U ON CONTACT AREA.

SHIELD: T=0.20mm, NICKEL 30u"MIN PLATING

2. OPERATING TEMPERATURE : -40°C~+85°C

STORAGE TEMPERATURE : -40°C~+85°C

3. CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F.

TOLERANCE UNSPECIFIED

.	±0.50
.0	±0.38
.00	±0.25
.000	±0.10
ANGLE	±3°



FOR YOUR
VITAL CONNECTION

TITLE:

RJ45 Connectors, W/LED, 10P, 8C,
Shielded/Thru Hole 100 Mbps /FILTER

DRAWN BY:

Zou Long

PART NO:

J12GH1143DPF1

SHEET:

1 OF 2

REV: A1

CHECKED BY:

Bob

DWG NO:

VTC-TZ-00042

SIZE: A4

UNIT:mm

FCN: F1

APPROVED BY:

QPF

PROJECTION:



<http://www.vitalconn.com>

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

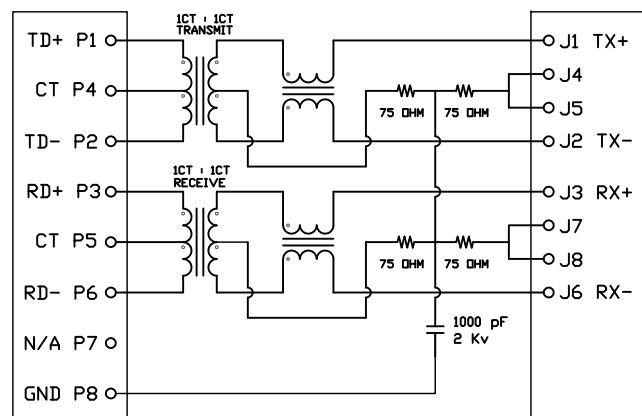


REV:	ECN. NO.	NAME	DATE
A1	-----	-----	11-24-2025

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
±0.25
±0.10
ANGLE ±3°

Vitalconn
a vital connector company

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DRAWN BY:

Zou Long

PART NO:

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SHEET:

2 OF 2

REV: A1

CHECKED BY:

Bob

DWG NO:

VTC-TZ-00042

SIZE: A4

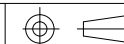
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