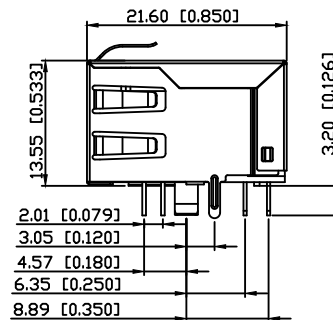
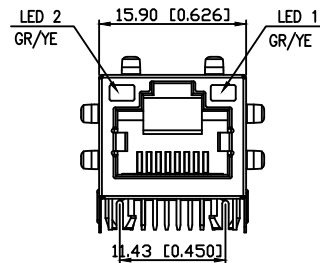
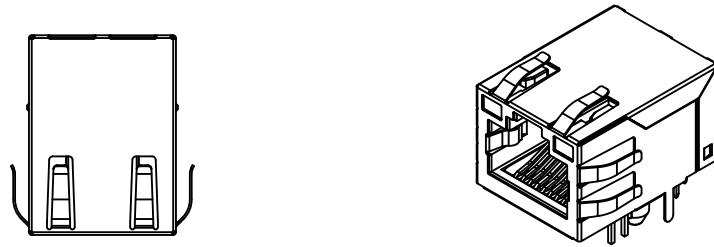


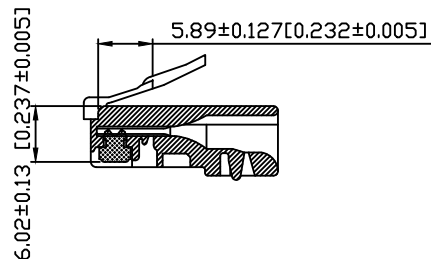


REV:	ECN. NO.	NAME	DATE
A0	----	-----	05-15-2026

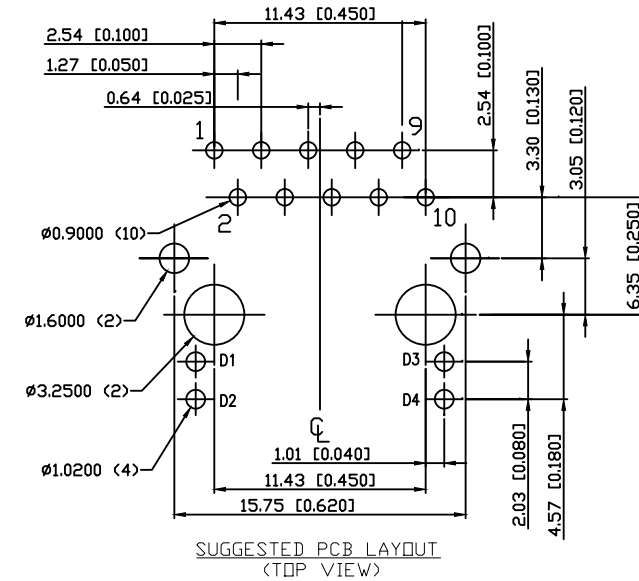
1. MECHANICAL DIMENSIONS :



RECOMMENED PLUG DIMENSION:



2. PCB LAYOUT :



NOTES:

1. MATERIAL:

HOUSING: HIGH TEMPERATURE PBT UL94V-0 BLACK
CONTACTS: T=0.35mm,PHOSPHOR BRONZE,
NICKEL 50µ"MIN UNDERPLATE ON ALL AREA,
TIN 80µ"MIN ON TERMINATION END,
30U GOLD ON CONTACT AREA.

SHIELD: T=0.20mm,NICKEL 30µ"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
±0.38
±0.25
±0.10
ANGLE ±3.°
MANUFACTURING COPY



FOR YOUR
VITAL CONNECTION

TITLE:

RJ45 Connectors, W/LED, 10P, 8C, 1000 Mbps
/FILTER

DRAWN BY:

Zou Long

PART NO:

J11EG41A6DPF1

SHEET:

1 OF 2

REV: A0

CHECKED BY:

Bob

DWG NO:

VTC-TZ-00167

SIZE: A4

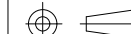
UNIT:mm

FCN: F1

APPROVED BY:

QPF

PROJECTION:



<http://www.vitalconn.com>

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

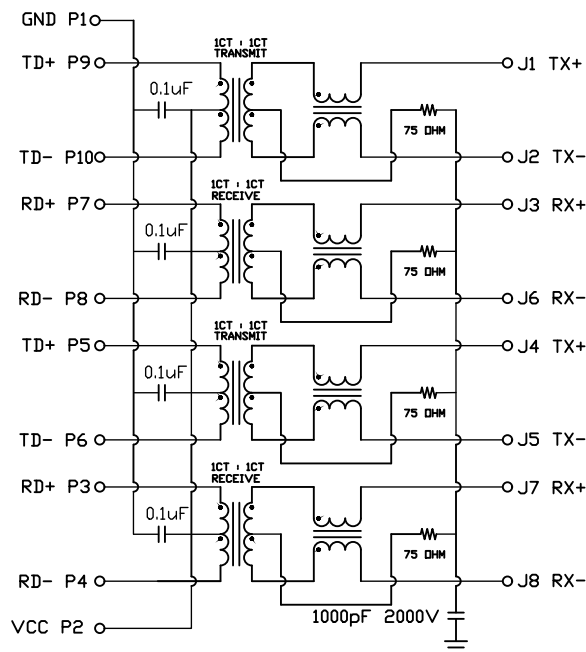


REV:	ECN. NO.	NAME	DATE
A0	-----	-----	05-15-2026

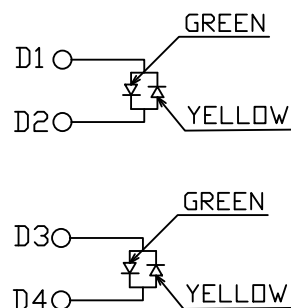
3. SCHEMATIC:

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:
-10dB 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 ±0.38
0.00 ±0.25
0.000 ±0.10
ANGLE ±3.°
MANUFACTURING COPY

VITALCON
a vital connector company

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RJ45 Connectors, W/LED, 10P, 8C, 1000 Mbps
/FILTER

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Zou Long

PART NO:

J11EG41A6DPF1

SHEET:

2 OF 2

REV: A0

CHECKED BY:

Bob

DWG NO:

VTC-TZ-00167

SIZE: A4

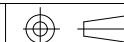
UNIT:mm

FCN: F1

APPROVED BY:

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