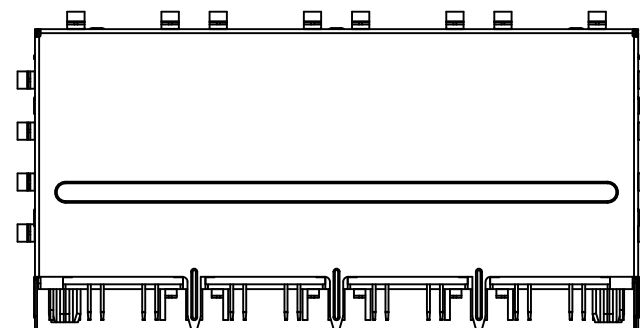
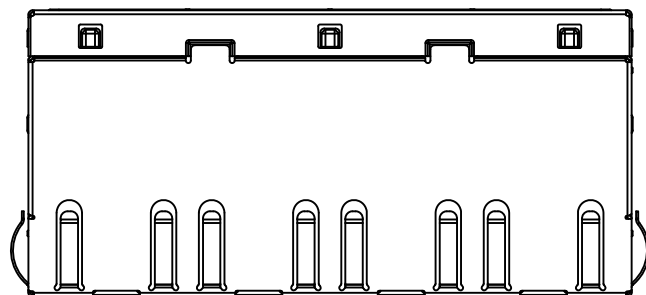
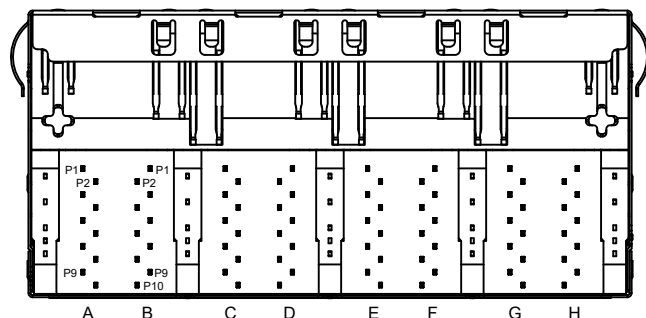
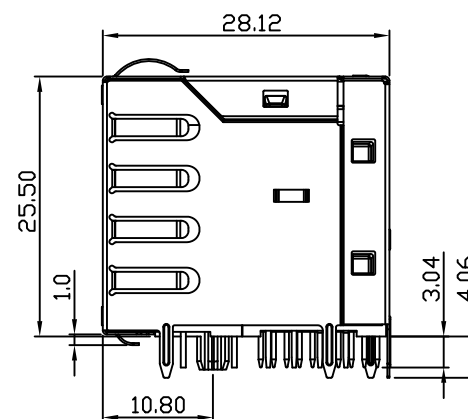
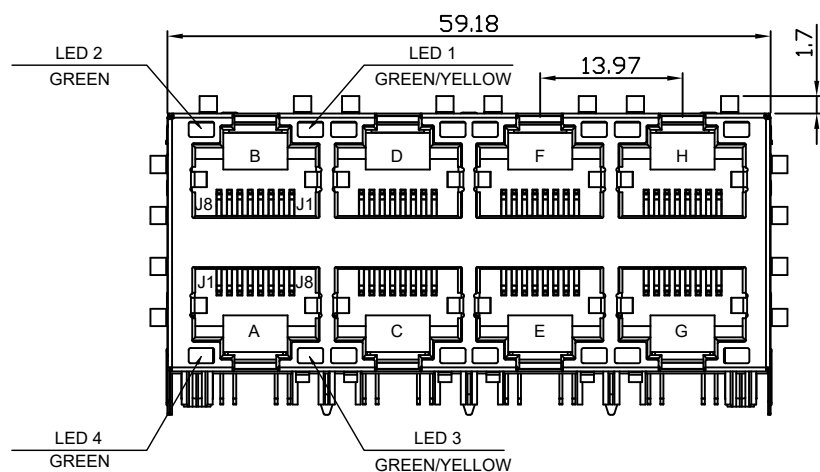


# MECHANICAL DIMENSIONS :

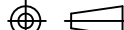
| REV. | ECN. NO. | NAME | DATE |
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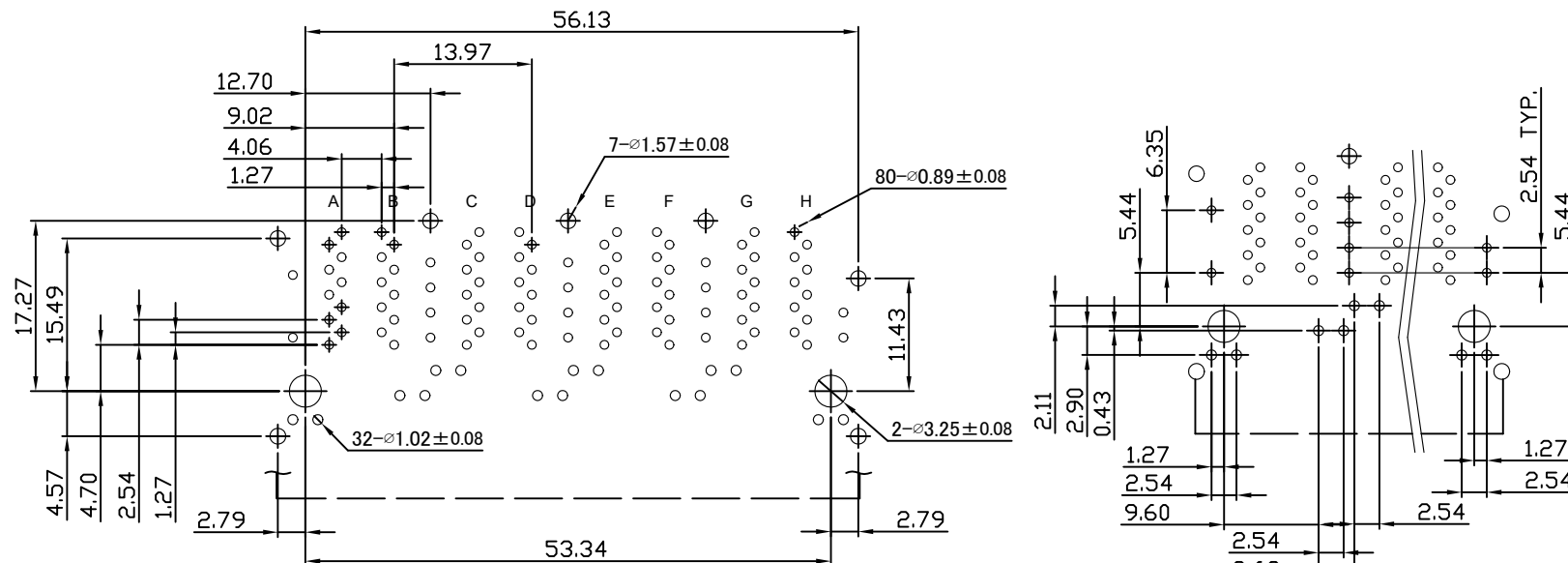
BACK VIEW



## RoHS Compliant

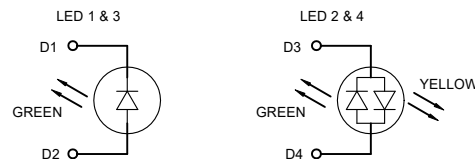
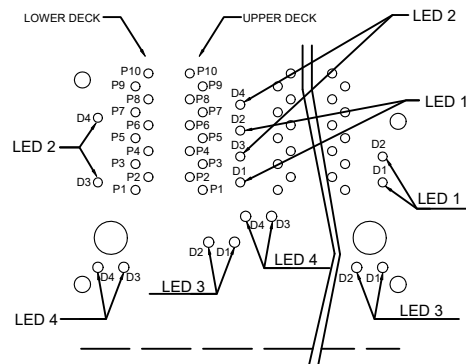
|                       |         |                                                                  |                                                                                       |                              |         |
|-----------------------|---------|------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|---------|
| TOLERANCE UNSPECIFIED |         | <div><b>VITALCONN</b></div> <div>a vital connector company</div> |                                                                                       | FOR YOUR<br>VITAL CONNECTION |         |
| .0                    | ± 0.38  |                                                                  |                                                                                       |                              |         |
| .00                   | ± 0.25  | TITLE: 5G BASE-T RJ45 2X4 WITH LED                               |                                                                                       |                              |         |
| .000                  | ± 0.10  |                                                                  |                                                                                       |                              |         |
| ANGLE                 | ± 3.00* |                                                                  |                                                                                       |                              |         |
| MANUFACTURING COPY    |         |                                                                  |                                                                                       |                              |         |
| DRAWN BY:             | BECKER  | PART NO:                                                         | J24UF4GD7DL01                                                                         |                              | REV: A  |
| CHECKED BY:           | VTA     | SIZE: A4                                                         | UNIT:mm                                                                               | SHEET:10F5                   | FCN: B6 |
| APPROVED BY:          | QPF     | PROJECTION                                                       |  | http://www.vitalconn.com     |         |

| REV. | ECN. NO. | NAME | DATE |
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RECOMMENDED PCB LAYOUT  
(COMPONENT SIDE VIEW)

#### PIN-OUT INFORMATION(COMPONENT SIDE VIEW):



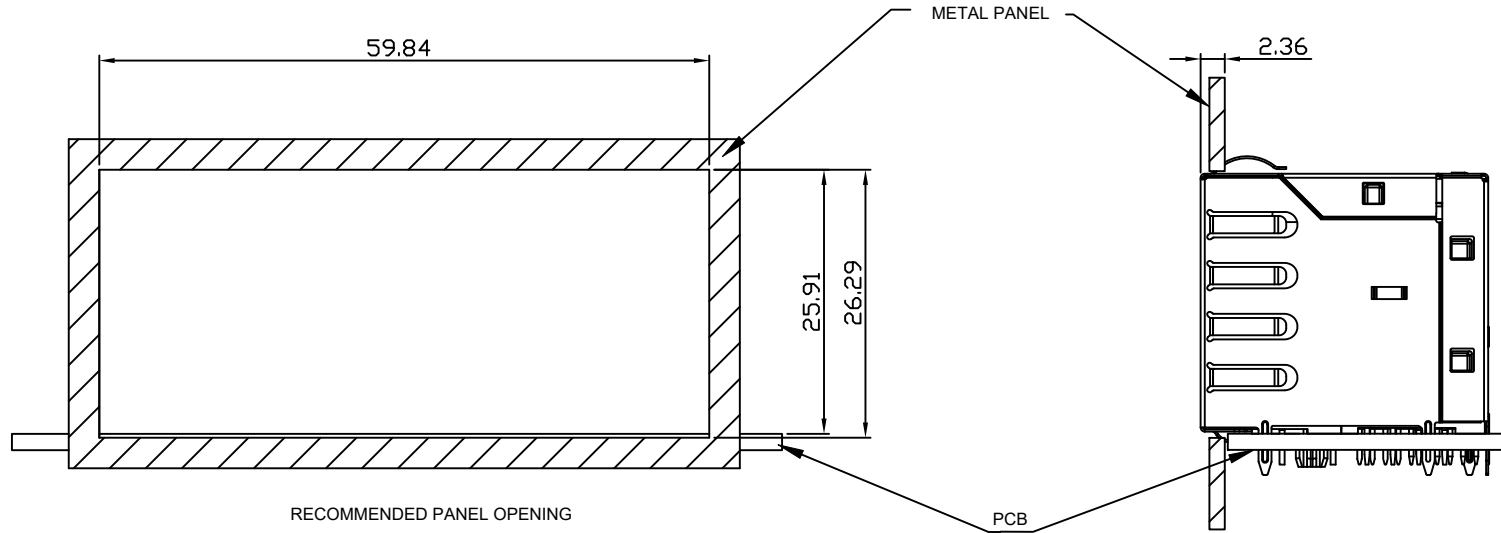
| LED 1 & 3 POLARITY |    |       | LED 2 & 4 POLARITY |    |        |
|--------------------|----|-------|--------------------|----|--------|
| D2                 | D1 | COLOR | D4                 | D3 | COLOR  |
| +                  | -  | GREEN | +                  | -  | GREEN  |
| -                  | +  | GREEN | -                  | +  | YELLOW |

| LED ELECTRICAL / OPTICAL CHARACTERISTICS: |      |                     |                        |
|-------------------------------------------|------|---------------------|------------------------|
| COLOR                                     | IF   | VF(FORWARD VOLTAGE) | AD DOMINANT WAVELENGTH |
| GREEN                                     | 20mA | 2.2 V               | 565nm                  |
| YELLOW                                    | 20mA | 2.1 V               | 580nm                  |

# RoHS Compliant

|                       |         |                                              |  |                                    |  |
|-----------------------|---------|----------------------------------------------|--|------------------------------------|--|
| TOLERANCE UNSPECIFIED |         | <b>VITALCON</b><br>a vital connector company |  | FOR YOUR VITAL CONNECTION          |  |
| .0                    | ± 0.38  |                                              |  | TITLE: 5G BASE-T RJ45 2X4 WITH LED |  |
| .00                   | ± 0.25  | DRAWN BY: BECKER                             |  | PART NO: J24UF4GD7DL01             |  |
| .000                  | ± 0.10  | CHECKED BY: VTA                              |  | UNIT:mm                            |  |
| ANGLE                 | ± 3.00° | APPROVED BY: QPF                             |  | SHEET:20F5                         |  |
| MANUFACTURING COPY    |         | PROJECTION                                   |  | FCN: B6                            |  |
|                       |         |                                              |  | http://www.vitalconn.com           |  |

## SUGGESTED PANEL OPENING



### NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION.  
IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

# RoHS Compliant

|                       |         |                                               |  |                                    |                          |
|-----------------------|---------|-----------------------------------------------|--|------------------------------------|--------------------------|
| TOLERANCE UNSPECIFIED |         | <b>VITALCONN</b><br>a vital connector company |  | FOR YOUR VITAL CONNECTION          |                          |
| .0                    | ± 0.38  |                                               |  | TITLE: 5G BASE-T RJ45 2X4 WITH LED |                          |
| .00                   | ± 0.25  | DRAWN BY: BECKER                              |  | PART NO: J24UF4GD7DL01             | REV: A                   |
| .000                  | ± 0.10  | CHECKED BY: VTA                               |  | SIZE: A4                           | UNIT:mm                  |
| ANGLE                 | ± 3.00° | APPROVED BY: QPF                              |  | PROJECTION                         | SHEET:30F5               |
| MANUFACTURING COPY    |         |                                               |  | FCN: B6                            | http://www.vitalconn.com |

| REV. | ECN. NO. | NAME | DATE |
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| REV. | ECN. NO. | NAME | DATE |
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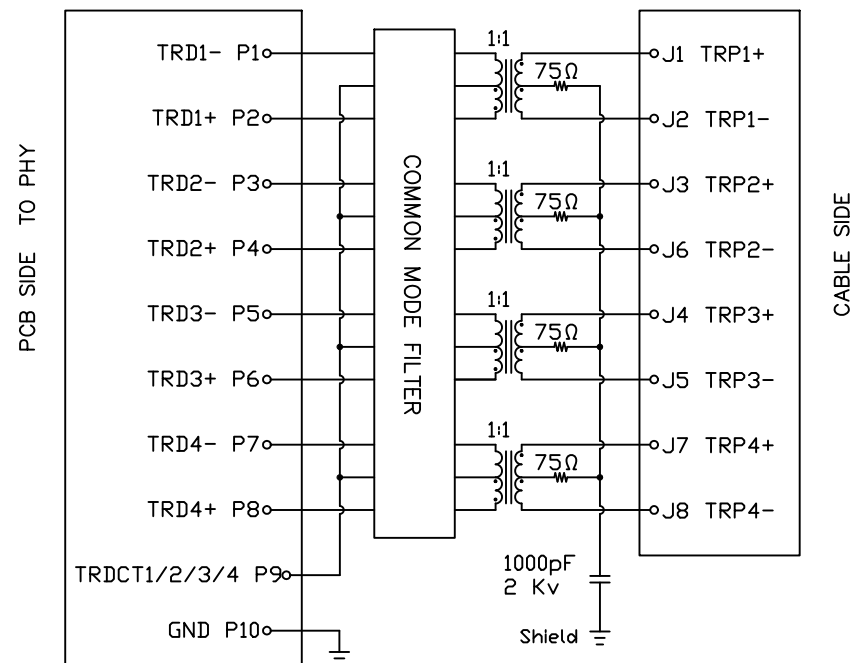
## SPECIFICATIONS:

1. COMPLIES WITH IEEE STANDARDS
2. INTER GRATED MAG-MODULAR DESIGN PROVIDES HIGHER RELIABILITY AND CONSERVES MINIMIZING PCB SPACE
3. HOUSING : THERMOPLASTIC LCP BLACK, UL94 V0 RATED
4. RJ45 CONTACT : PHOSPHOR BRONZE C5210,THICKNESS=0.30MM  
PLATED NICKEL 30U" MIN, GOLD PLATED ON CONTENT AREA 50U" MIN
5. INPUT TERMINAL : BRASS C2680, THICKNESS=0.30MM  
FINISH : 120U"MIN TIN OVER 50U" MIN NICKEL
6. METAL SHIELDING : COPPER ALLOY WITH NICKEL PLATED (C2680)  
THICKNESS=0.20MM NICKEL 30U" MIN
7. DIFFERENT COLOR OF LEDS OPTION AVAILABLE
8. OPERATING TEMPERATURE : -40°C TO +85°C
9. STORAGE TEMPERATURE : -40°C TO +85°C

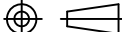
## ELECTRICAL SPECIFICATIONS ( 25°C±5°C ) :

1. TR:(100KHz,0.1V);  
PINS:(P2-P1):(J1-J2)=1:1±3%  
PINS:(P4-P3):(J3-J6)=1:1±3%  
PINS:(P6-P5):(J4-J5)=1:1±3%  
PINS:(P8-P7):(J7-J8)=1:1±3%
- 2.OCL:(100KHz,100mVRMS)  
(-40°C TO +85°C) 180uH MINIMUM
- 3.HIPOT:  
PCB SIDE TO CABLE SIDE=1500VAC FOR 60 SECONDS
- 4.RETURN LOSS(Load:100 ohms):  
-20dB MINIMUM AT 1MHz TO 50MHz  
-20+8LOG(F/50MHz)dB MINIMUM AT 50MHz TO 200MHz  
-15+30LOG(F/200MHz)dB MINIMUM AT 200MHz TO 300MHz
- 5.CM TO CM REJ:  
-30dB MINIMUM AT 100KHz TO 100MHz
- 6.CM TO IM REJ:  
-35dB MINIMUM AT 100KHz TO 100MHz

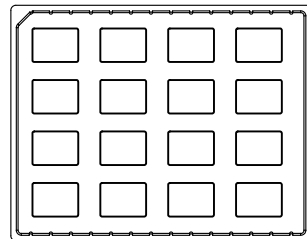
## SCHEMATIC:



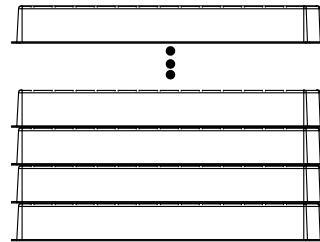
# RoHS Compliant

|                       |         |                                                                                                                                |                                                                                       |                                    |         |
|-----------------------|---------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------|---------|
| TOLERANCE UNSPECIFIED |         | <div><br/>a vital connector company</div> |                                                                                       | FOR YOUR<br>VITAL CONNECTION       |         |
| .0                    | ± 0.38  |                                                                                                                                |                                                                                       | TITLE: 5G BASE-T RJ45 2X4 WITH LED |         |
| .00                   | ± 0.25  |                                                                                                                                |                                                                                       |                                    |         |
| .000                  | ± 0.10  |                                                                                                                                |                                                                                       |                                    |         |
| ANGLE                 | ± 3.00° |                                                                                                                                |                                                                                       |                                    |         |
| MANUFACTURING COPY    |         |                                                                                                                                |                                                                                       |                                    |         |
| DRAWN BY:             | BECKER  | PART NO:                                                                                                                       | J24UF4GD7DL01                                                                         |                                    | REV: A  |
| CHECKED BY:           | VTA     | SIZE: A4                                                                                                                       | UNIT:mm                                                                               | SHEET:40F5                         | FCN: B6 |
| APPROVED BY:          | QPF     | PROJECTION                                                                                                                     |  | http://www.vitalconn.com           |         |

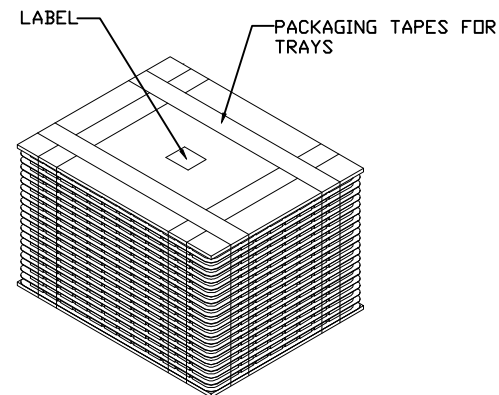
## PACKAGE INFORMATION AND LABLE



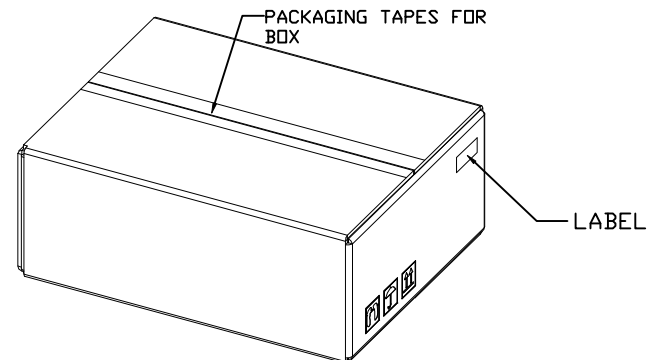
1. 16 PCS PRODUCTS IN TRAYS



2. 5 PCS TRAYS OVERLAY



3. LABEL & PACKAGING TAPES FOR TRAYS:

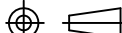


4. LABEL & PACKAGING TAPES FOR BOX

| PACKAGING LISTS       |             |
|-----------------------|-------------|
| ITEM                  | Q'TY        |
| PRODUCT               | 80 PCS      |
| TRAY                  | 5 PCS       |
| BOX(L340*W265*H200MM) | 1 PCS       |
| LABLE                 | 2 PCS       |
| PACKAGING TAPES       | 8 M (ABOUT) |

# RoHS Compliant

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|                                                                                                             |        |                                                           |                                                                                       |                              |         |
|-------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|---------|
| TOLERANCE UNSPECIFIED<br>.<br>.0 ± 0.38<br>.00 ± 0.25<br>.000 ± 0.10<br>ANGLE ± 3.00*<br>MANUFACTURING COPY |        | <div><b>VITALCONN</b><br/>a vital connector company</div> |                                                                                       | FOR YOUR<br>VITAL CONNECTION |         |
|                                                                                                             |        | TITLE: 5G BASE-T RJ45 2X4 WITH LED                        |                                                                                       |                              |         |
| DRAWN BY:                                                                                                   | BECKER | PART NO:                                                  | J24UF4GD7DL01                                                                         |                              | REV: A  |
| CHECKED BY:                                                                                                 | VTA    | SIZE: A4                                                  | UNIT:mm                                                                               | SHEET:50F5                   | FCN: B6 |
| APPROVED BY:                                                                                                | QPF    | PROJECTION                                                |  | http://www.vitalconn.com     |         |