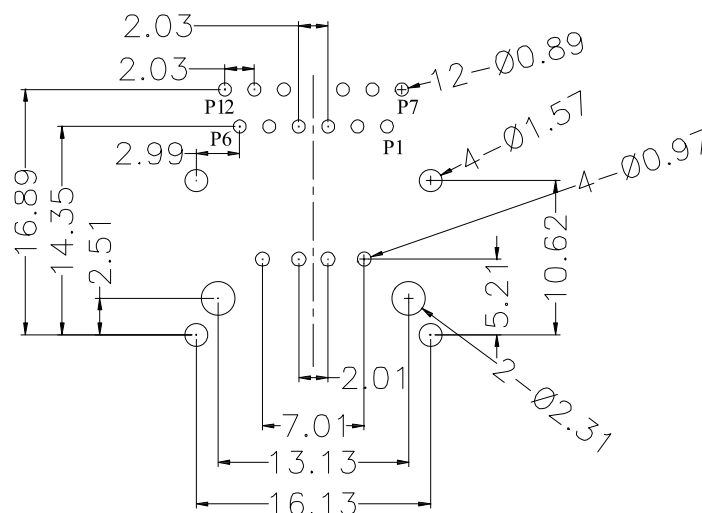
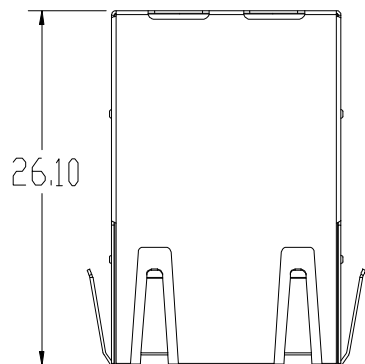


## GP Component

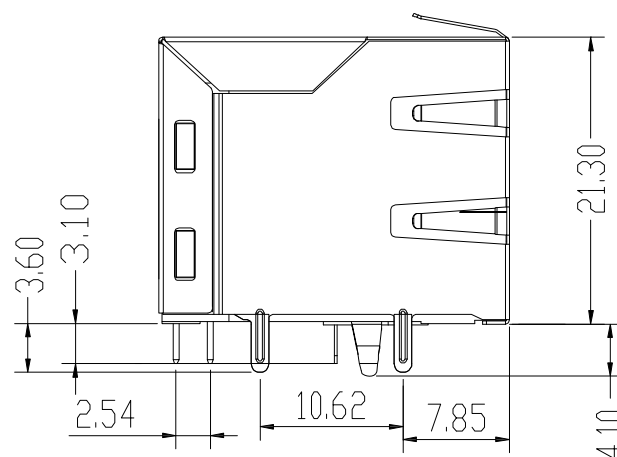
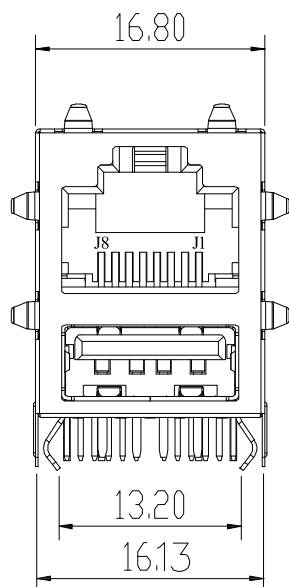
| REV. | ECN NO. | LOCATIONS | DESCRIPTION | DATE       | DESIGN   |
|------|---------|-----------|-------------|------------|----------|
| AO   |         |           | Initial     | 2017/08/24 | Phebe Su |

### 1.MECHANICAL DIMENSIONS:



SUGGESTED PCB LAYOUT (TOP VIEW)

DIMENSIONAL TOLERANCE: .XX ±0.05[0.001]



NOTES:

## 1.MATERIAL&FINISH

RJ45:

HOUSING: PBT,UL94V-0 BLACK

CONTACTS: Phosphor Bronze, GOLD FLASH ON

CONTACT AREA, TIN PLATING ON

CONTACT AREA, TIN PLATING ON  
SOLDER TAILS. NICKEL PLATED OVERALL

SHELL: COPPER ALLOY, NICKEL PLATED OVERALL

USB 3.0:

HOUSING: PBT, UL94V-0 BLACK

CONTACTS: COPPER ALLOY, GOLD FLASH ON

CONTACT AREA, TIN PLATIN ON SOLDER

CONTACT AREA, TIN PLATING ON SOLDER  
TAILS .50" MIN NICKEL PLATED OVERALL

SHELL: COPPER ALLOY. NICKEL PLATED OVERALL

2. OPERATING TEMPERATURE:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

3.RJ JACK CAVITY CONFORMS TO FCC RULES AND

REGULATIONS PART 68, SUBPART F

MATRIX PART NO:

MRJ N-1U T 907 RS

Matrix-RJ45-

F : 10/100

G : 10/100/1000-

N: Pure Connector

11.1X1 - 21.2X1

12:1X2 : 22:2X2

14:1X4 ; 24:2X4

16:1X6 ; 26:2X6

18:1X8 ; 28:2X8

1U:RJ+USB

RS : ROHS  
HF : Halogen Free  
es Number

| USB 2.0 CONTACT PINS |                |
|----------------------|----------------|
| Pin<br>NUMBER        | SIGNAL<br>NAME |
| 1                    | VBUS           |
| 2                    | D-             |
| 3                    | D+             |
| 4                    | GND            |
| Shell                | Shield         |



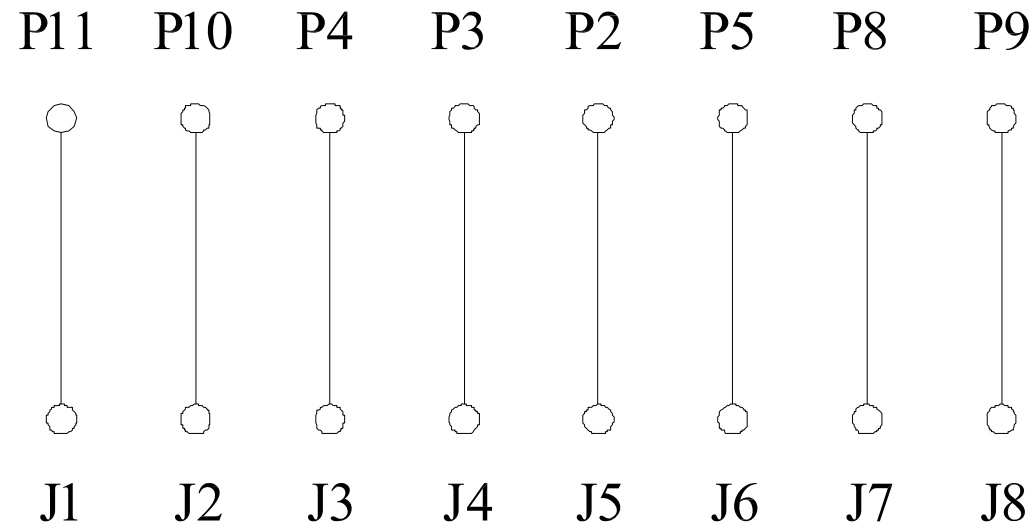
Matrix Electronics Co.,Ltd

|                                                                                       |                                                                                       |               |            |                           |               |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|------------|---------------------------|---------------|
| TOLERANCE:                                                                            |                                                                                       | DESIGN BY :   | DATE :     | PART NAME:                |               |
| X.X                                                                                   | ±0.38                                                                                 | Phebe Su      | 2017/08/24 | RJ45+USB2.0 CONN, W/O LED |               |
| X.XX                                                                                  | ±0.25                                                                                 | CHECKED BY:   | DATE :     | PART NO.                  | MRJN-1UT907RS |
| X.XXX                                                                                 | ±0.13                                                                                 | Vicky Hsieh   | 2017/08/24 |                           |               |
| X*2                                                                                   |                                                                                       | APPROVED BY1: | DATE :     | MOLD NO.                  | NA            |
|  |  | Richard Hsieh | 2017/08/24 |                           |               |
| UNIT: mm [inch]                                                                       |                                                                                       | APPROVED BY2: | DATE :     | DRAW NO.                  |               |
| SCALE:1:1                                                                             | SIZE:A4                                                                               | Richard Hsieh | 2017/08/24 | SHEET NO.                 | 1 OF 2        |

GP Component

| REV. | ECN NO. | LOCATIONS | DESCRIPTION | DATE       | DESIGN   |
|------|---------|-----------|-------------|------------|----------|
| AO   |         |           | Initial     | 2017/08/24 | Phebe Su |

# SCHEMATIC



Matrix Electronics Co.,Ltd

|                                                                            |                                       |                             |                                                |               |
|----------------------------------------------------------------------------|---------------------------------------|-----------------------------|------------------------------------------------|---------------|
| <b>TOLERANCE:</b><br>X:X<br>X.X ±0.38<br>X.XX ±0.25<br>X.XXX ±0.13<br>X±2° | <b>DESIGN BY :</b><br>Phebe Su        | <b>DATE :</b><br>2017/08/24 | <b>PART NAME:</b><br>RJ45+USB2.0 CONN, W/O LED |               |
|                                                                            | <b>CHECKED BY:</b><br>Vicky Hsieh     | <b>DATE :</b><br>2017/08/24 | <b>PART NO.</b>                                | MRJN-1UT907RS |
|                                                                            | <b>APPROVED BY1:</b><br>Richard Hsieh | <b>DATE :</b><br>2017/08/24 | <b>MOLD NO.</b>                                | NA            |
|                                                                            | <b>APPROVED BY2:</b><br>Richard Hsieh | <b>DATE :</b><br>2017/08/24 | <b>DRAW NO.</b>                                |               |
| <b>UNIT:</b> mm [inch]                                                     | <b>SCALE:</b> 1:1                     | <b>SIZE:</b> A4             | <b>SHEET NO.</b>                               | 2 OF 2        |