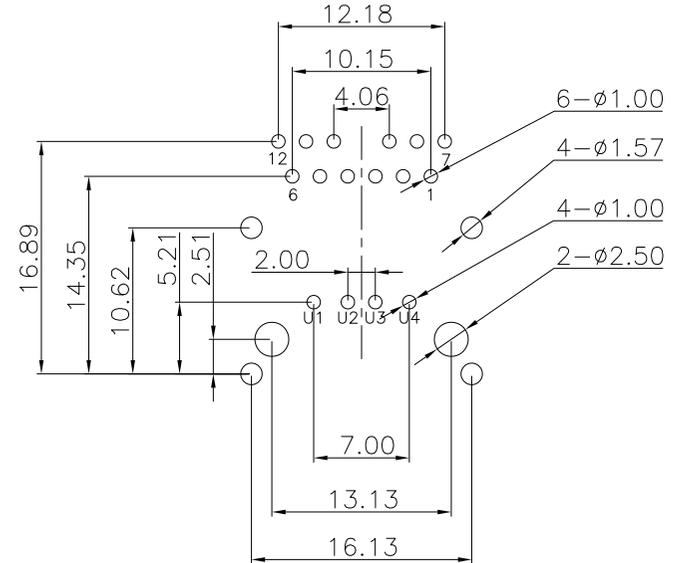
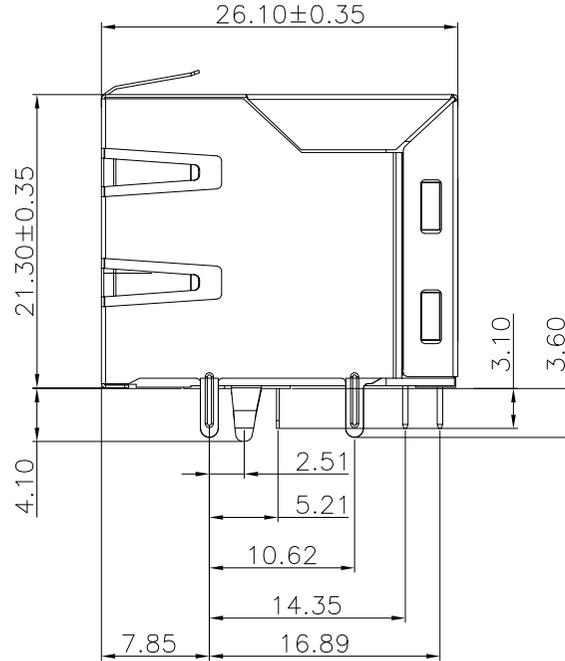
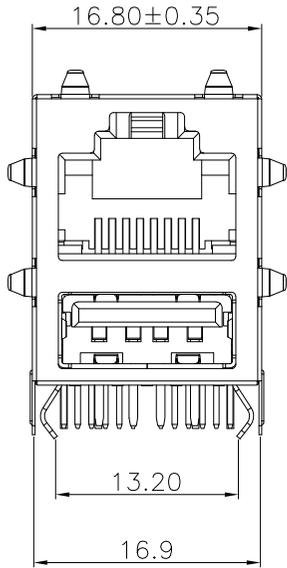


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/08/24	Phebe Su
A0.1			Add Panel Cutout Size	2022/06/20	Vince

## 1. MECHANICAL DIMENSIONS:



Suggested PCB Layout (Top View)  
(Tolerance: ±0.05)

### NOTES:

#### 1. MATERIAL & FINISH

##### RJ45:

HOUSING: PBT, UL94V-O BLACK.  
 CONTACTS: PHOSPHOR BRONZE, GOLD FLASH ON.  
 CONTACT AREA, TIN PLATING ON.  
 SOLDER TAILS, NICKEL PLATED OVERALL.  
 SHELL: COPPER ALLOY, NICKEL PLATED OVERALL.

##### USB 3.0:

HOUSING: PBT, UL94V-O BLACK.  
 CONTACTS: COPPER ALLOY, GOLD FLASH ON.  
 CONTACT AREA, TIN PLATING ON SOLDER.  
 TAILS, 50u" MIN. NICKEL PLATED OVERALL.  
 SHELL: COPPER ALLOY, NICKEL PLATED OVERALL.

#### 2. OPERATING TEMPERATURE: -40°C ~ +85°C 3.

#### 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  
 Series Number  
 S: SMD  
 T: THT

USB 2.0 CONTACT PINS	
Pin NUMBER	SIGNAL NAME
U1	VBUS
U2	D-
U3	D+
U4	GND
Shell	Shield



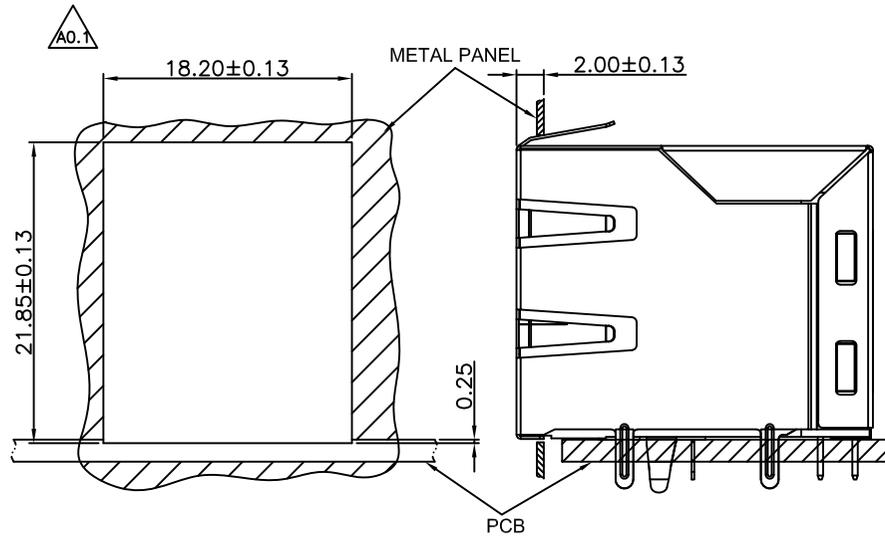
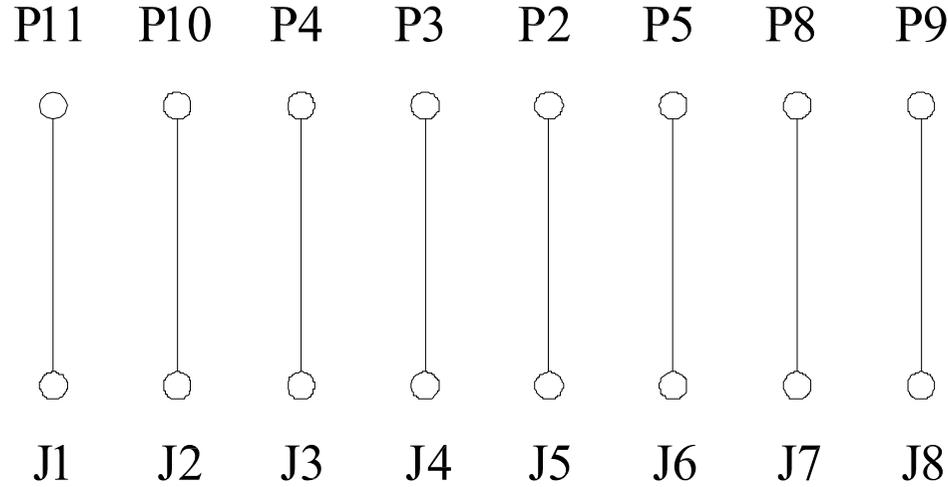
Matrix Electronics Co., Ltd

TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 X±2°	DESIGN BY : Vince Chen	DATE : 2022/06/20	PART NAME: RJ45+USB2.0 CONN, W/O LED	
 UNIT: mm [inch] SCALE: 1:1 SIZE: A4	CHECKED BY: Hanson Huang	DATE : 2022/06/20	PART NO.	MRJN-1UT907RS
	APPROVED BY1: Richard Hsieh	DATE : 2022/06/20	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2022/06/20	DRAW NO.	
			SHEET NO.	1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2017/08/24	Phebe Su
A0.1			Add Panel Cutout Size	2022/06/20	Vince

### SCHEMATIC



 <b>Matrix Electronics Co.,Ltd</b>				
<b>TOLERANCE:</b> X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 X±2*	DESIGN BY :	DATE :	<b>PART NAME:</b>	
	Vince Chen	2022/06/20	RJ45+USB2.0 CONN, W/O LED	
UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY:	DATE :	PART NO.	MRJN-1UT907RS
	Hanson Huang	2022/06/20	MOLD NO.	NA
APPROVED BY1: APPROVED BY2:	DATE :	DATE :	DRAW NO.	
	Richard Hsieh	2022/06/20	SHEET NO.	2 OF 2
	Richard Hsieh	2022/06/20		