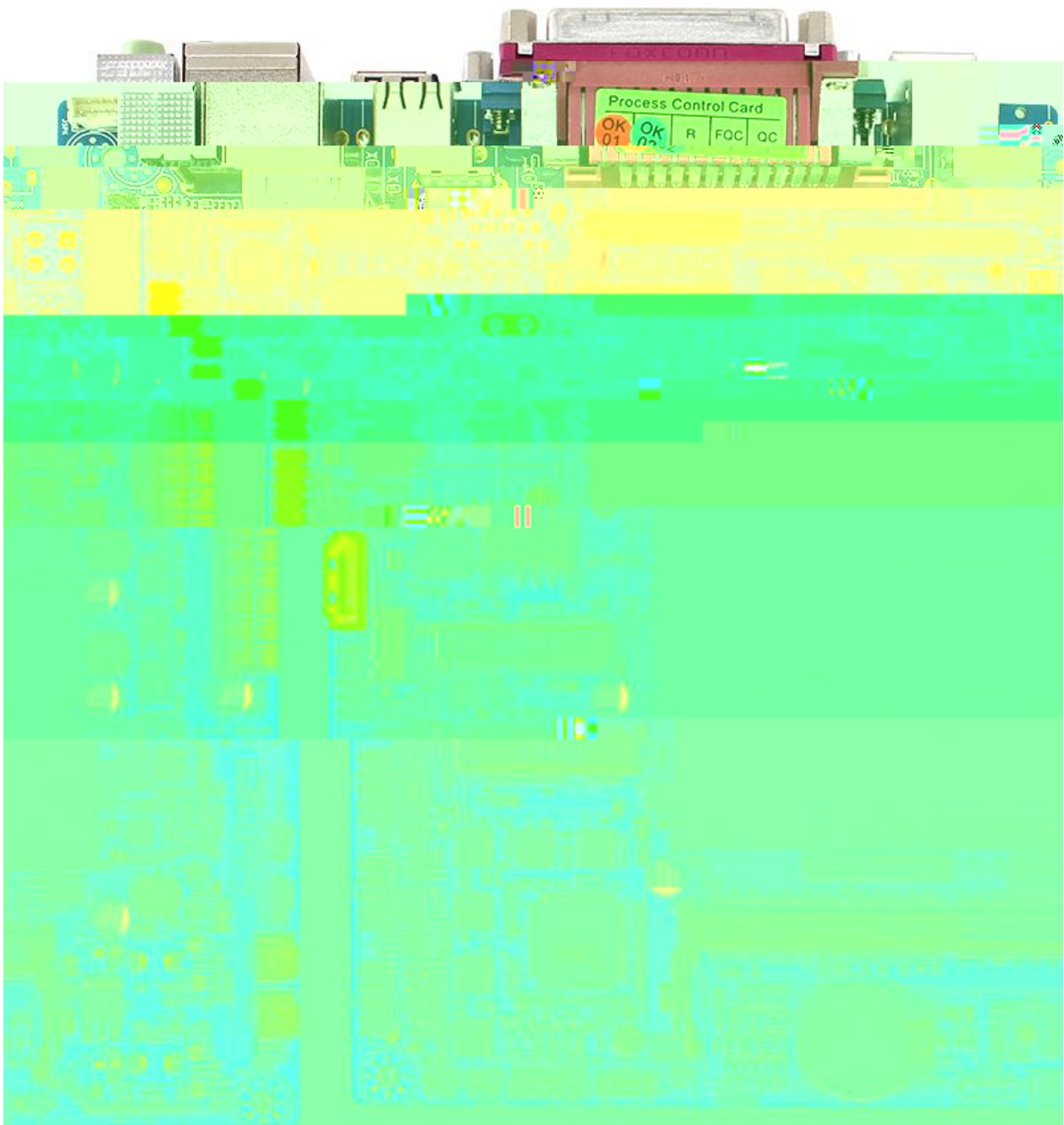


GM-J1900A16P

Motherboard

User Guide

VER 1.0







1

1.1

# 1.3



Realtek ALC662      5.1

Realtek RTL8111H      PCI-E

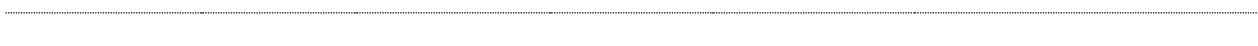
24-bit LVDS      1920×1200

VGA+LVDS      /

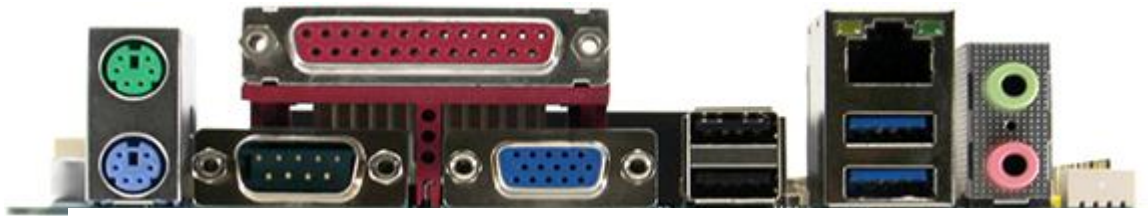
6×COM RS-232(COM2 3      5V/12V) COM3      RS-422/485

COM4      RS-485

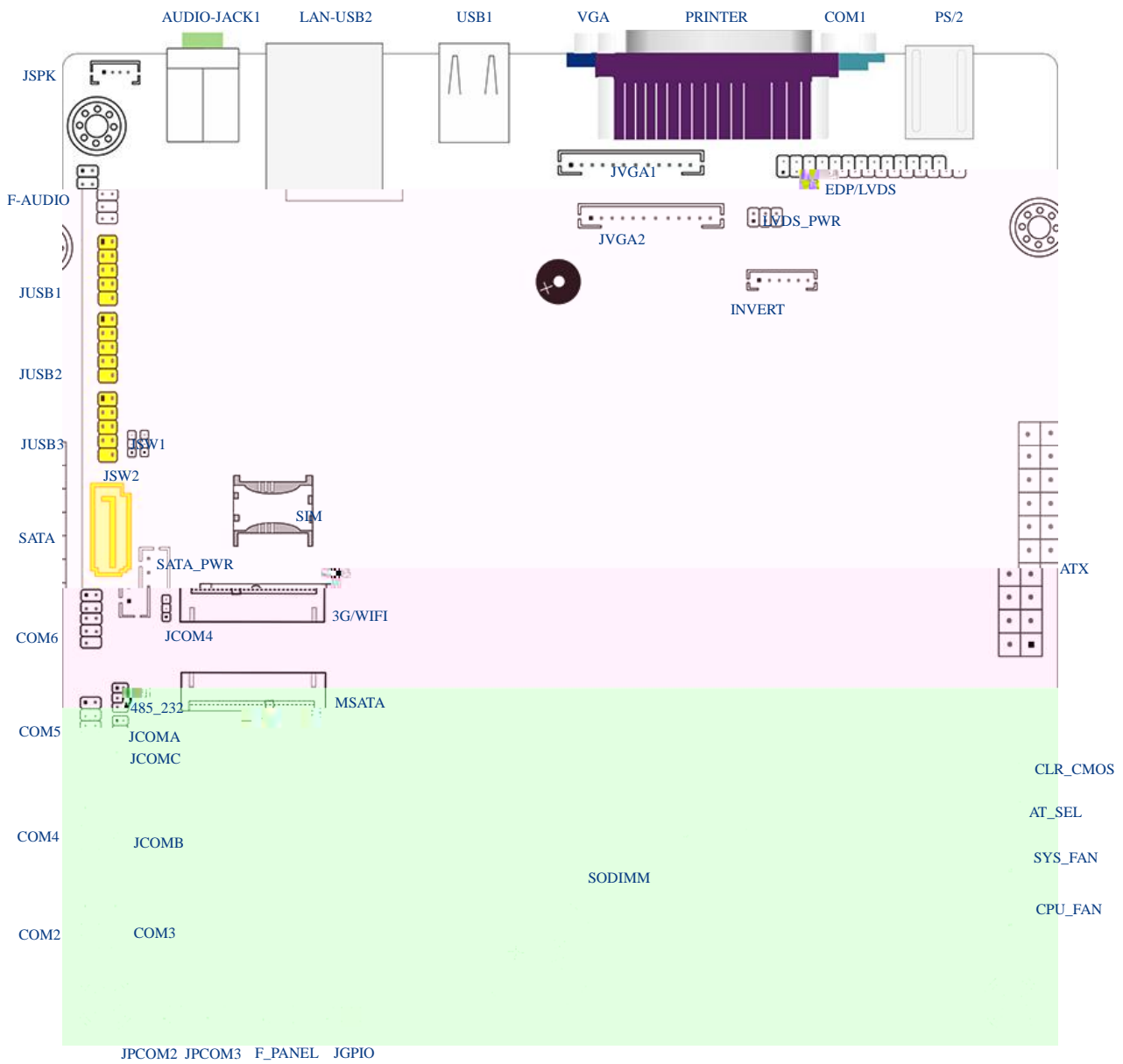
9 USB 2.0/1.1(3      IO 6      ) 1 USB 3.0



# 1.4



# 1.5

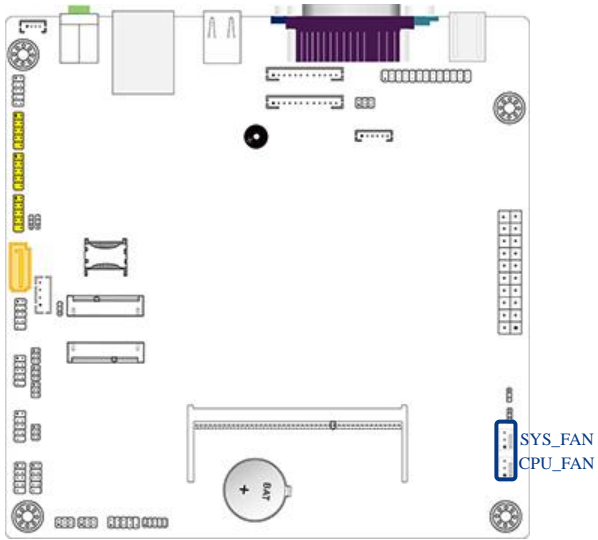


1pin

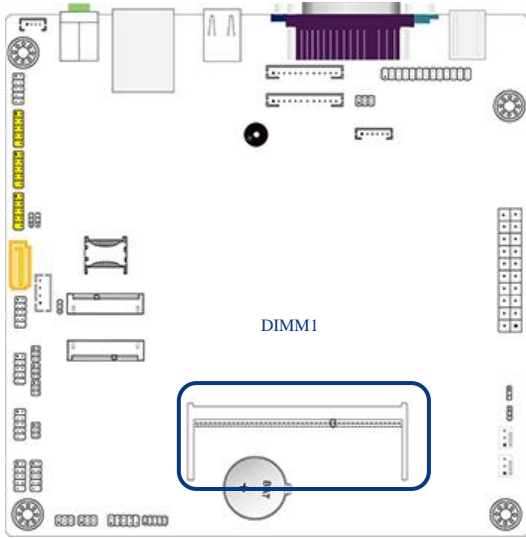
2 :

## 2.1 CPU

## 2.2



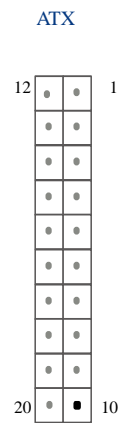
### 2.3



:




### 2.4 ( JATX )

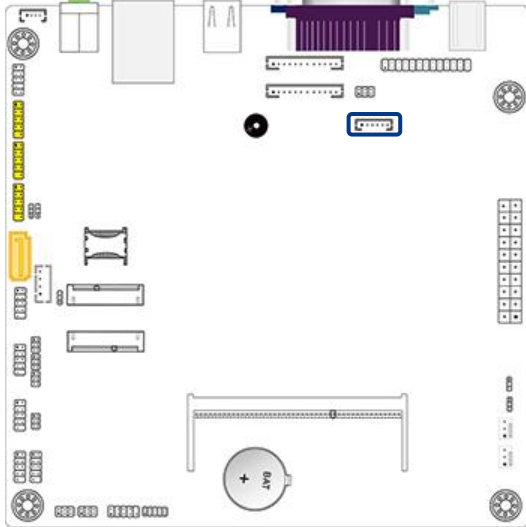



**!** DC\_PWR1      IO DC\_jack

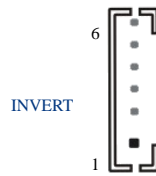


### INVERT LVDS

1 6pin INVERT



LVDS



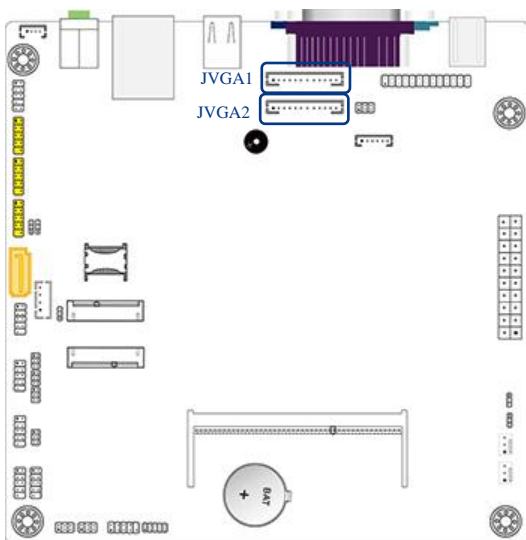

### JVGA1

IO VGA

VGA

### JVGA2

VGA1



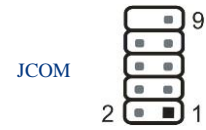
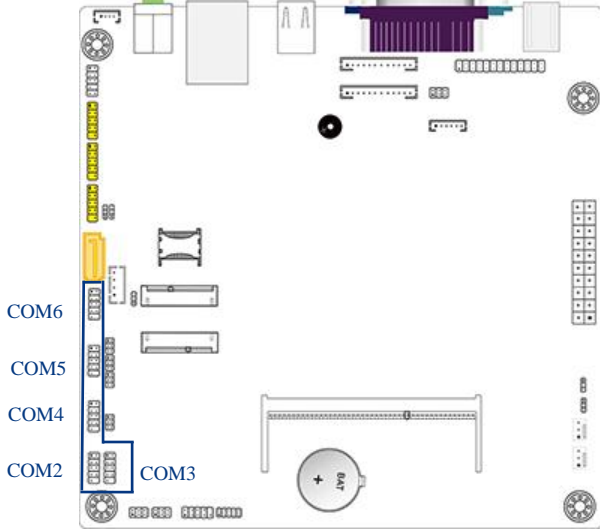



## 2.5.2

## JCOM2-6 JPCOM2/3 JCOMA/B/C

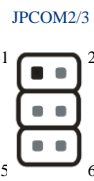
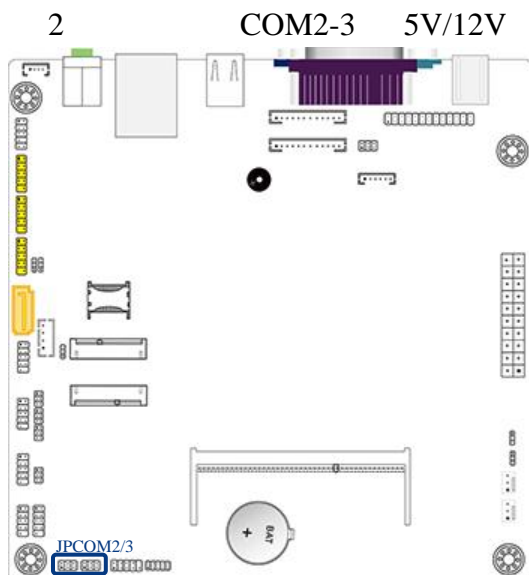
485\_232 JUSB1-3 JSW1/2 F\_AUDIO JGPIO JSPK

### COM2-6 RS-232



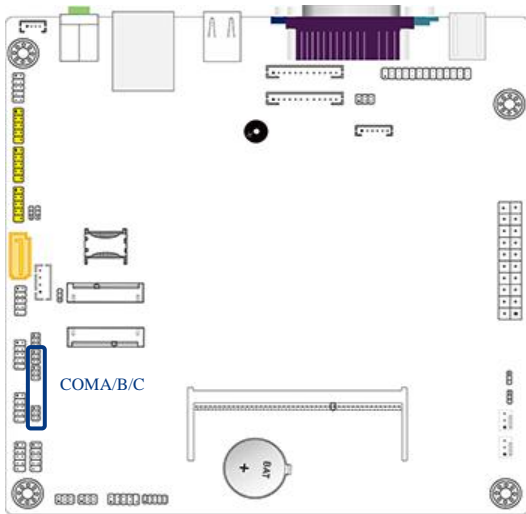
JCOM			
	!		
			!
			!
	!		!
	!		

### JPCOM2 JPCOM3

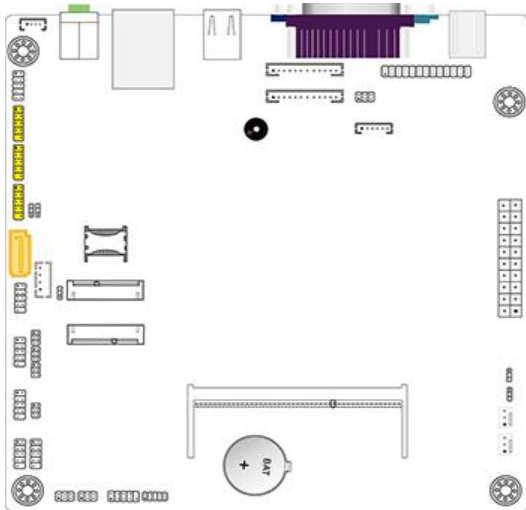


JPCOM2/3	

## JCOMA/B/C

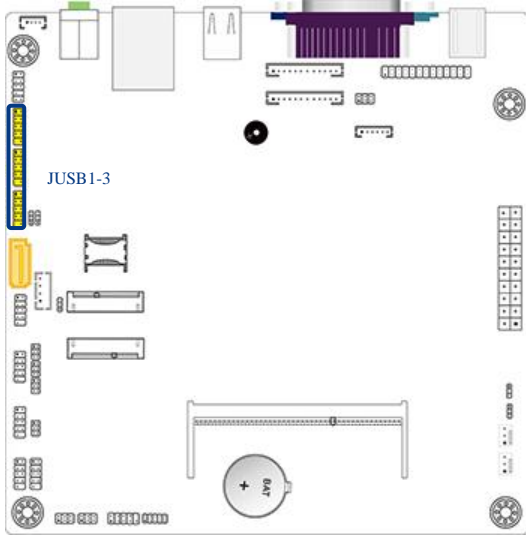



## 485\_232 JCOM4



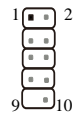


### JUSB1-3



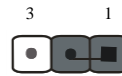
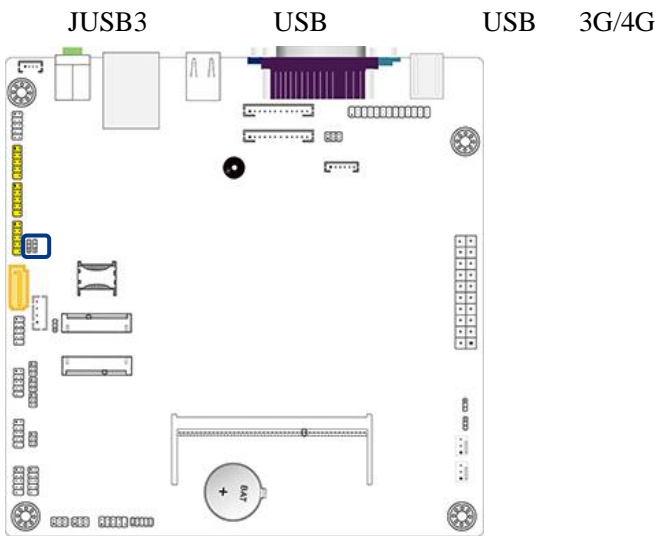
**JUSB3(1-3-5-7 Pin)      USB**

JUSB1-3



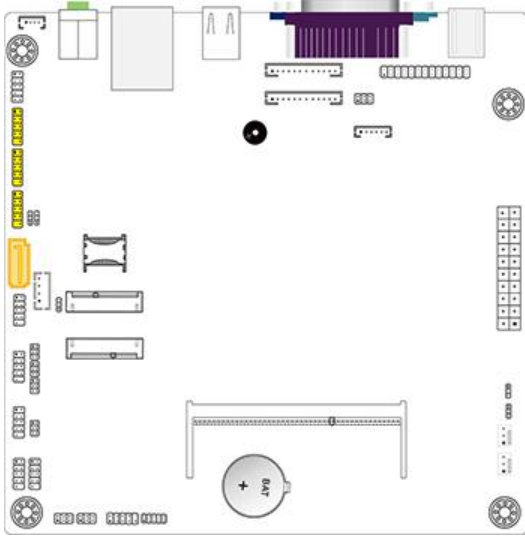
JUSB1-3			

### JSW1/2 USB



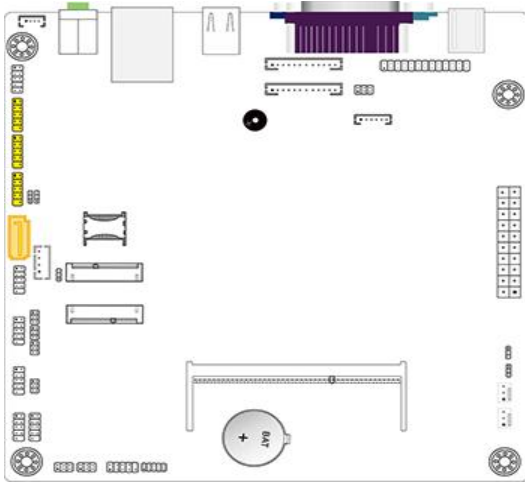
JSW1/2 USB		

## F\_AUDIO

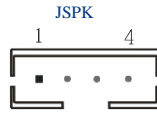
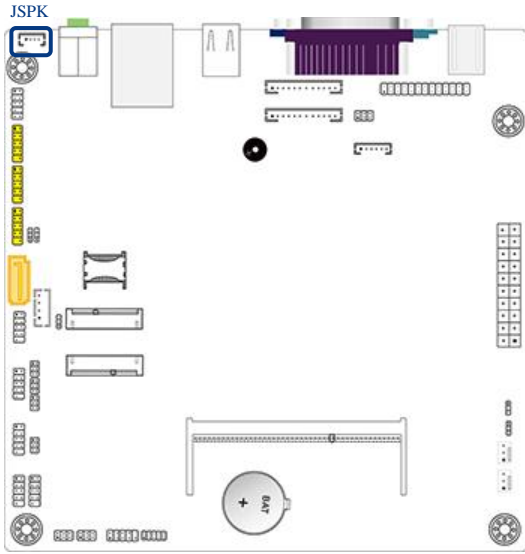


## JGPIO

8bit GPIO                      4    4



### JSPK

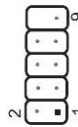




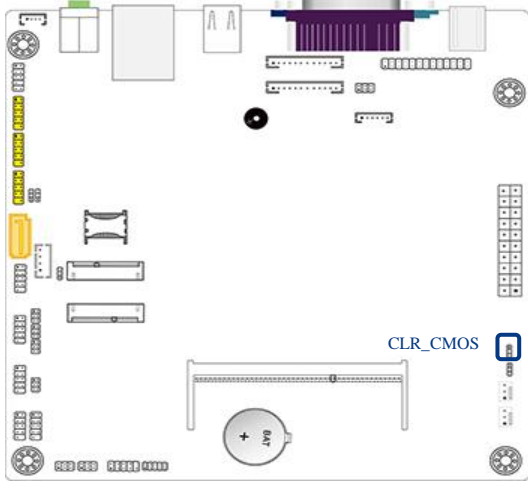


## 2.5.3 F\_PANEL CLR\_CMOS AT\_SEL

### F\_PANEL

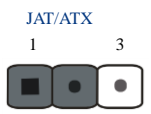
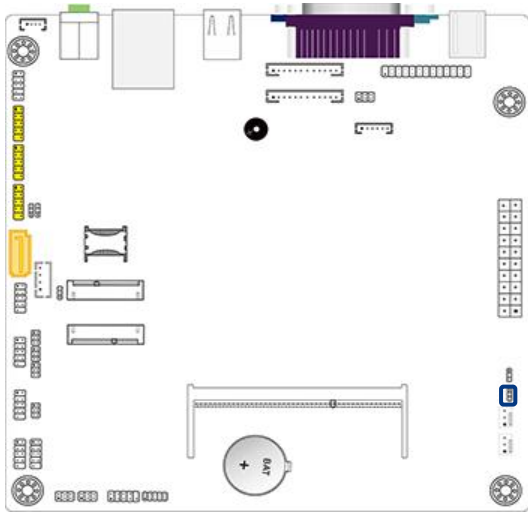


# CLR\_CMOS



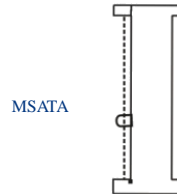
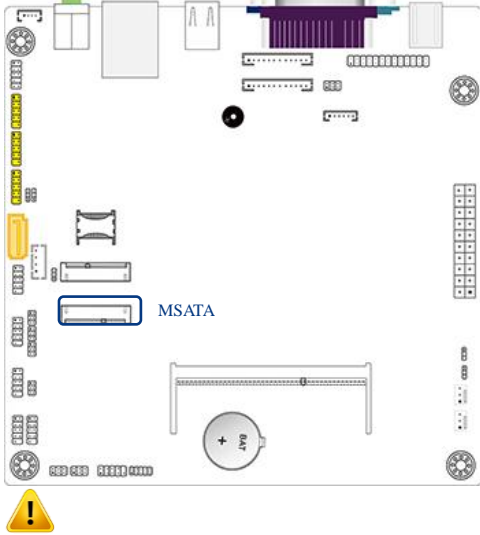

**CMOS :**

# AT\_SEL

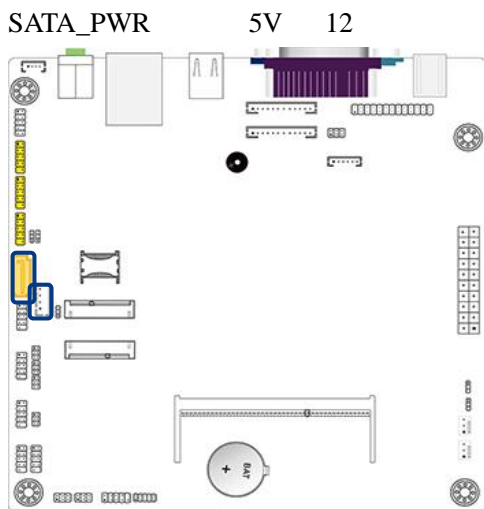



**2.5.4 MSATA SATA SATA\_PWR MINI-PCIE SIM**

**MSATA**



**SATA 3.0 /SATA\_PWR**

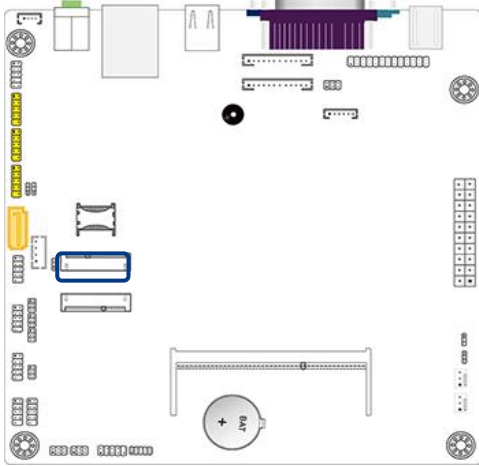


SATA

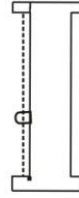


**Mini PCI-E 3G/WIFI**

**WIFI/3G**



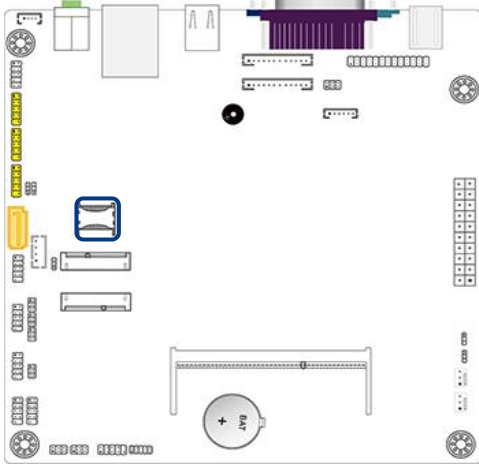
3G/WIFI



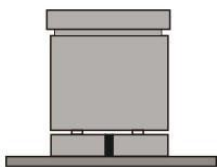
**SIM**

**1 SIM**

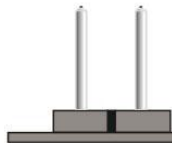
**3G/4G SIM**



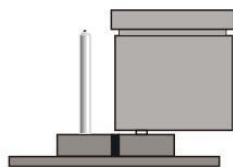
SIM



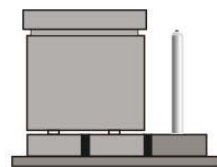
SHORT



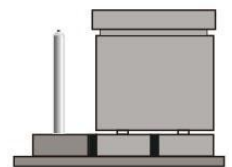
DREN



DREN



1 2 3  
Pin 1~2 SHORT



1 2 3  
Pin 2~3 SHORT