

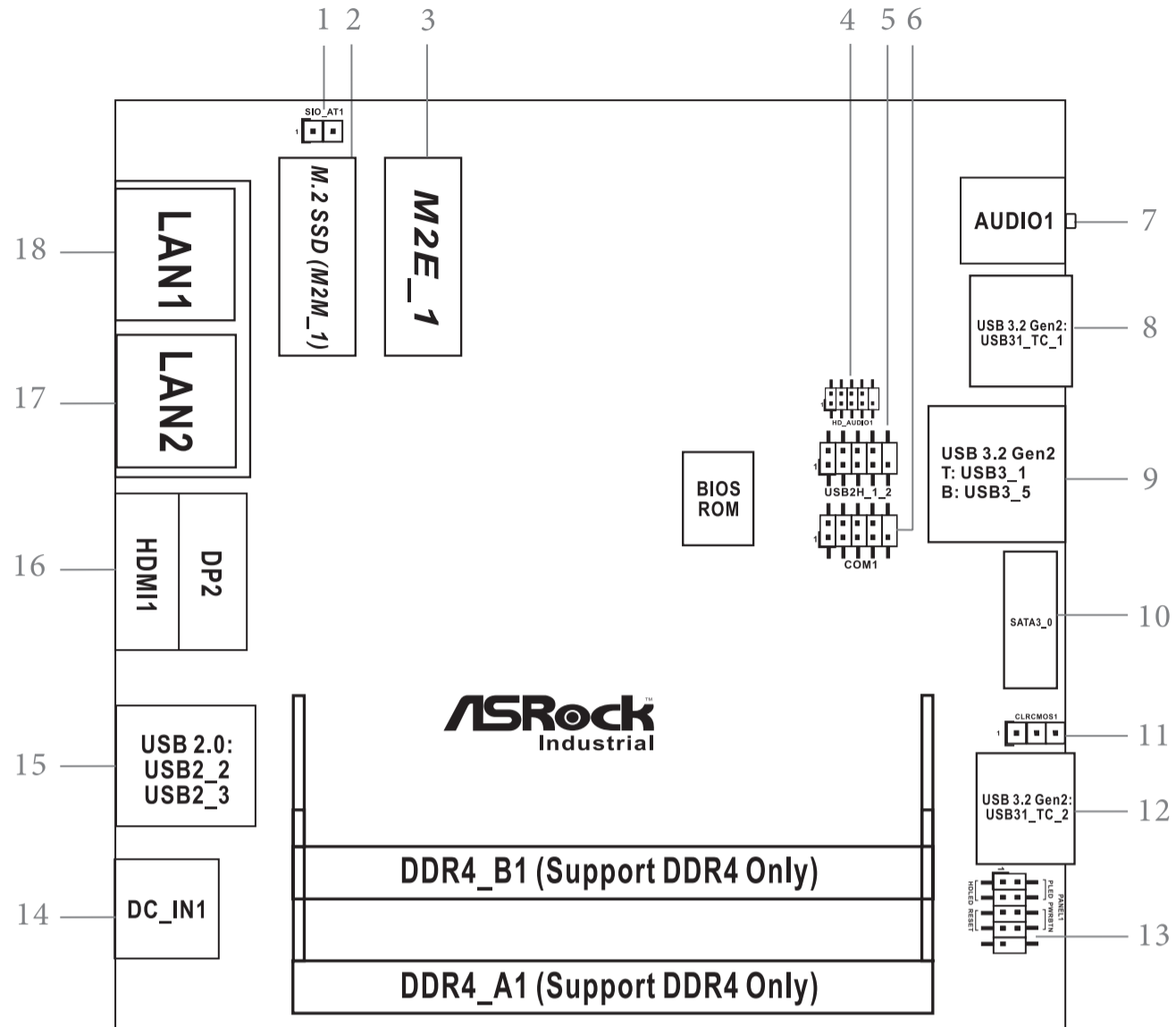
## 4X4-V2000

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### Revision History

Date	Description
September 24, 2021	First Release



1 : SIO\_AT1   
Open : ATX Mode  
Short : AT Mode

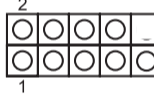
2 : M.2 Key-M Socket (M2M\_1)

PIN	Signal Name	PIN	Signal Name
1	GND	2	+3.3V
3	GND	4	+3.3V
5	PERn3	6	USB_D+
7	PERp3	8	USB_D-
9	GND	10	SATA_LED
11	PETn3	12	+3.3V
13	PETp3	14	+3.3V
15	GND	16	+3.3V
17	PERn2	18	+3.3V
19	PERp2	20	NA
21	GND	22	NA
23	PETn2	24	NA
25	PETp2	26	NA
27	GND	28	NA
29	PERn1	30	NA
31	PERp1	32	NA
33	GND	34	NA
35	PETn1	36	NA
37	PETp1	38	DEVSLP
39	GND	40	SMB_CLK
41	PERn0 SATA-B+	42	SMB_DATA
43	PERp0 SATA-B-	44	NA
45	GND	46	NA
47	PETn0 SATA-A-	48	NA
49	PETp0 SATA-A+	50	PERST#
51	GND	52	CLKREQ#
53	PEFCLKn	54	WAKE#
55	PEFCLKp	56	NA
57	GND	58	NA
67	NA	68	NA
69	PEDET	70	+3.3V
71	GND	72	+3.3V
73	GND	74	+3.3V
75	GND		

\* Pin6 and Pin8 are defined as USB2.0 signal to support Key-M to Key-B extension card.

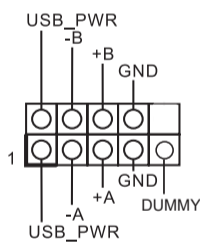
3 : M.2 Key-E Socket (M2E\_1)

PIN	Signal Name	PIN	Signal Name
1	GND	2	+3.3V
3	USB_D+	4	+3.3V
5	USB_D-	6	NA
7	GND	8	NA
9	NA	10	NA
11	NA	12	NA
13	NA	14	NA
15	NA	16	NA
17	NA	18	GND
19	NA	20	NA
21	NA	22	NA
23	NA		
33	GND	32	NA
35	PETp	34	NA
37	PETn	36	NA
39	GND	38	NA
41	PERp	40	NA
43	PERn	42	NA
45	GND	44	NA
47	PEFCLKp	46	NA
49	PEFCLKn	48	NA
51	GND	50	SUSCLK
53	CLKREQ#	52	PERST#
55	WAKE#	54	W_DISABLE#
57	GND	56	W_DISABLE#
59	NA	58	SMB_DATA
61	NA	60	SMB_CLK
63	GND	62	NA
65	NA	64	NA
67	NA	66	NA
69	GND	68	NA
71	NA	70	NA
73	NA	72	+3.3V
75	GND	74	+3.3V

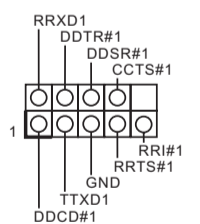
4 : Front Panel Audio Header 

PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
2	AGND	4	NC	6	LIN1_JD	8	LIN2_JD	10	NC
1	LIN1_L_IN	3	LIN1_R_IN	5	LIN2_R_OUT	7	AGND	9	LIN2_L_OUT

5 : USB2.0 Connector (USB2H\_1\_2)



6 : COM Port Header (RS232/422/485)




\* This motherboard supports RS232/422/485 on COM1 port. Please refer to below table for the pin definition. In addition, COM1 port (RS232/422/485) can be adjusted in BIOS setup utility > Advanced Screen > Super IO Configuration. You may refer to our user manual for details.

### COM1 Port Pin Definition

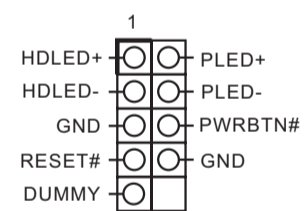
PIN	RS232	RS422	RS485
1	DCD, Data Carrier Detect	TX-	RTX-
2	RXD, Receive Data	TX+	RTX+
3	TXD, Transmit Data	RX+	N/A
4	DTR, Data Terminal Ready	RX-	N/A
5	GND	GND	GND
6	DSR, Data Set Ready	N/A	N/A
7	RTS, Request To Send	N/A	N/A
8	CTS, Clear To Send	N/A	N/A
9	N/A	N/A	N/A

7 : Audio Jack (AUDIO1)  
8 : USB 3.2 Gen2 Type-C Port (USB31\_TC\_1)  
9 : USB 3.2 Gen2 Ports (USB3\_1\_5)  
10 : SATA3 Port (SATA3\_0)

11 : Clear CMOS Header (CLRCMOS1)   
1-2 : Normal  
2-3 : Clear CMOS

12 : USB 3.2 Gen2 Type-C Port (USB31\_TC\_2)

13 : System Panel Header (PANEL1)



14 : DC-In Jack (DC\_IN1)  
15 : USB 2.0 Ports (USB2\_2\_3)  
16 : Top : DisplayPort (DP2)  
Bottom : HDMI Port (HDMI1)  
17 : RJ-45 LAN Port (LAN2)  
18 : RJ-45 LAN Port (LAN1)

### Back Side :

Power Button (PWR\_BTN3) 

Fan Connector (FAN1)

Battery Connector (BAT1)

LPC Connector (LPC1)

