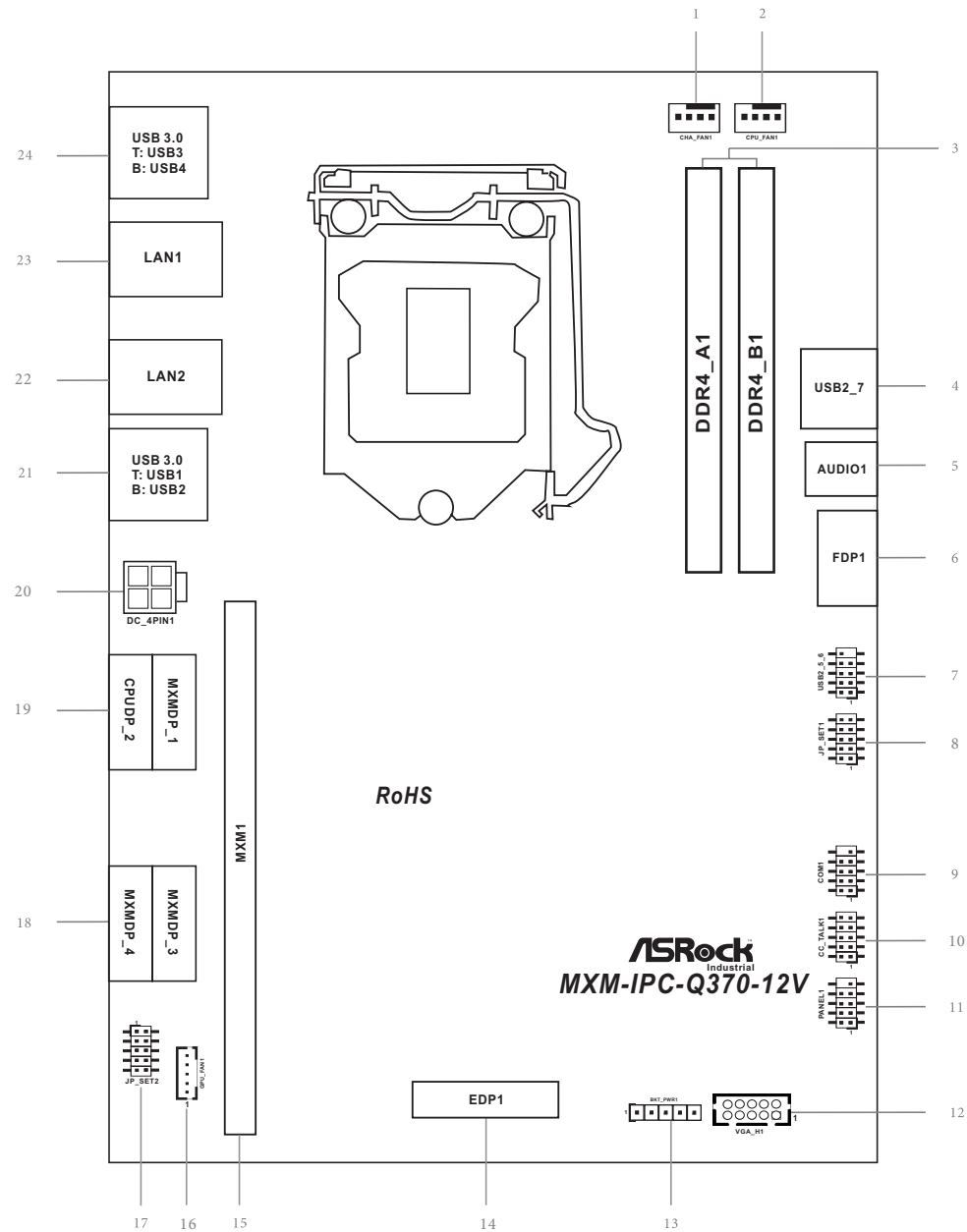
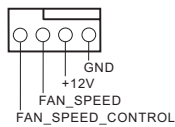


MXM IPC-Q370-12V

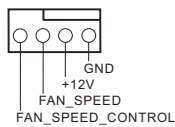
Top Side View



1 : 4-Pin Chassis FAN Connector (+12V)



2 : 4-Pin CPU FAN Connector (+12V)



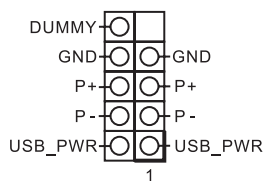
3 : 2 x 260-pin DDR4 SO-DIMM Slots (DDR4_A1, DDR4_B1)

4 : USB2.0 Port (USB2_7)

5 : Audio Jack (AUDIO1)

6 : FDP Port (FDP1)

7 : USB2.0 Header (USB2_5_6)



8 : JP_SET1

10	9
8	7
6	5
4	3
2	1

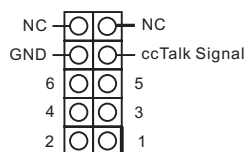
1-2	Open	ATX Mode
	Close	AT Mode
3-4	Close	Clean CMOS
3-5	Close	Auto Clear CMOS (Power Off)
7-8	Close	When Using Rechargeable Battery
9		BUZZER + (+5V)
10		BUZZER -

9 : COM Port Header (COM1)

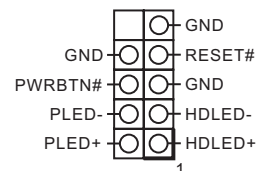
10 : CC_TALK1

1-2, 5-6: COM1

1-3, 4-6: ccTalk



11 : System Panel Header (PANEL1)



12 : VGA Header



PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
10	DDC_DATA	8	VSYSN	6	GND	4	GND	2	GND
9	DDC_CLK	7	HSYSN	5	BLUE	3	GREEN	1	RED

13 : Backlight Power Select (LCD_BLT_VCC) (BKT_PWR1)

1-2: LCD_BLT_VCC: +5V

2-3: LCD_BLT_VCC: +12V

4-5: LCD_BLT_VCC: DC_IN

14 : eDP Connector (EDP1)



15 : MXM Connector (MXM1)

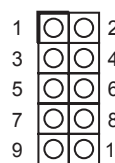
PIN	Signal Name
40	NA
39	LCD_BLT_VCC
38	LCD_BLT_VCC
37	LCD_BLT_VCC
36	LCD_BLT_VCC
35	SMB_CLK
34	SMB_DATA
33	CON_LBKLT_CTL
32	CON_LBKLT_EN
31	GND
30	GND
29	GND
28	GND
27	eDP_HPD_CON
26	GND
25	GND
24	GND
23	GND
22	NA
21	LCD_VCC
20	LCD_VCC
19	LCD_VCC
18	LCD_VCC
17	GND
16	eDP_AUX#_CON
15	eDP_AUX#_CON
14	GND
13	eDP_TX0_CON
12	eDP_TX#0_CON
11	GND
10	eDP_TX1_CON
9	eDP_TX#1_CON
8	GND
7	eDP_TX2_CON
6	eDP_TX#2_CON
5	GND
4	eDP_TX3_CON
3	eDP_TX#3_CON
2	GND
1	NA

16 : GPU FAN Connector (GPU_FAN1)



PIN	Signal Name
5	FAN_SPEED_CONTROL
4	FAN_SPEED
3	+12V
2	GND
1	GND

17 : JP_SET2



Chassis Intrusion Headers		
1-2 CI1	Open	Normal
	Close	Active Case Open
3-4 CI2	Open	Active Case Open
	Close	Normal

18 : Top : MXMDP Port (MXMDP_3)

Bottom : MXMDP Port (MXMDP_4)

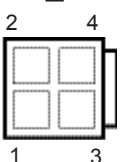
19 : Top : MXMDP Port (MXMDP_1)

Bottom : CPUDP Port (CPUDP_2)

20 : 4-pin ATX Power Connector (DC_4PIN1)

1-2: GND

3-4: +12V



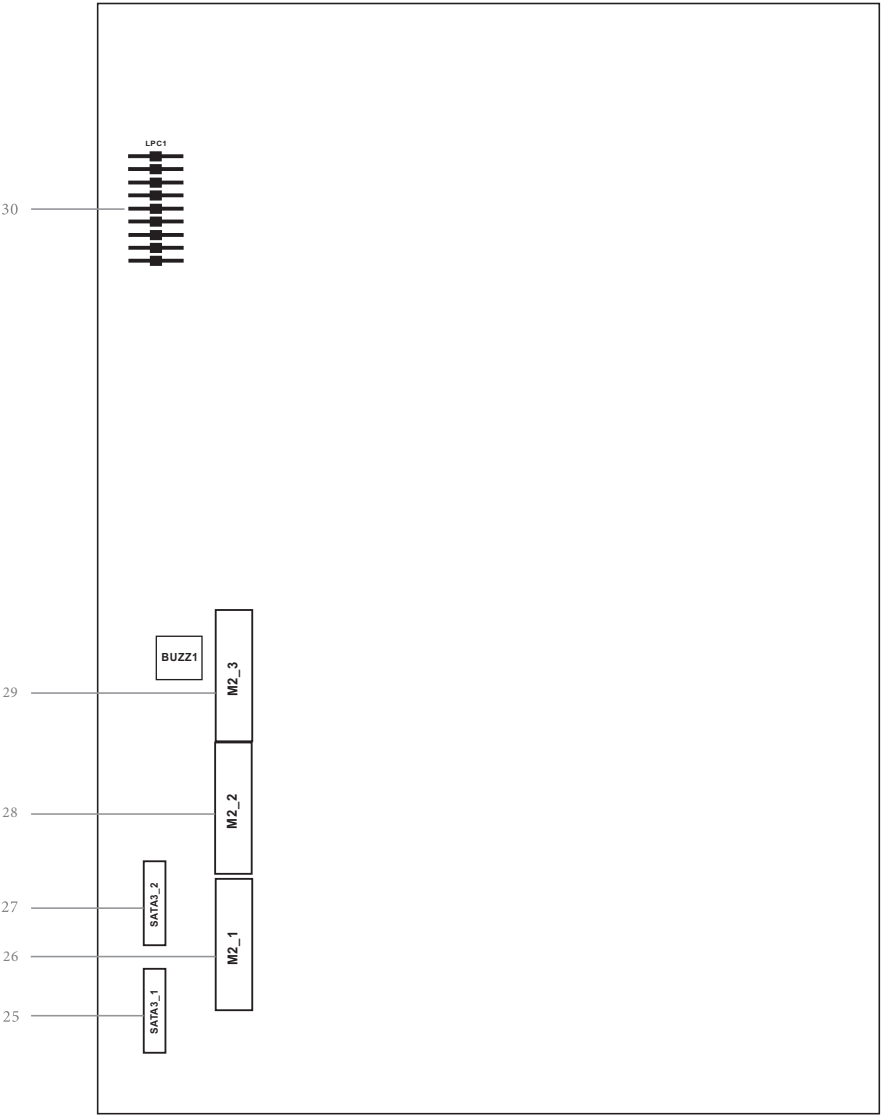
21 : USB3.0 Ports (USB3_1_2)

22 : RJ45 LAN Port (LAN2)

23 : RJ45 LAN Port (LAN1)

24 : USB3.0 Ports (USB3_3_4)

Back Side View



25 : SATA3 Connector (SATA3_1)

29 : M.2 Socket (Key-E) (M2_3)

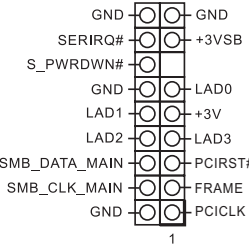
26 : M.2 Socket (Key-M) (M2_1)

PIN	Signal Name	PIN	Signal Name
1	GND	2	+3V
3	GND	4	+3V
5	PCIE_RXN3	6	NC
7	PCIE_RXP3	8	NC
9	GND	10	M2_LED
11	PCIE_TXN3	12	+3V
13	PCIE_TXP3	14	+3V
15	GND	16	+3V
17	PCIE_RXN2	18	+3V
19	PCIE_RXP2	20	NC
21	GND	22	NC
23	PCIE_TXN2	24	NC
25	PCIE_TXP2	26	NC
27	GND	28	NC
29	PCIE_RXN1	30	NC
31	PCIE_RXP1	32	NC
33	GND	34	NC
35	PCIE_TXN1	36	NC
37	PCIE_TXP1	38	DEVSLP
39	GND	40	SMB_CLK
41	PCIE_RXN0/SATA_RXP	42	SMB_DATA
43	PCIE_RXP0/SATA_RXN	44	NC
45	GND	46	NC
47	PCIE_TXN0/SATA_TXN	48	NC
49	PCIE_TXP0/SATA_TXP	50	PLT_RST#
51	GND	52	CLKREQ#
53	PCIE_CLKN	54	WAKE#
55	PCIE_CLKP	56	NC
57	GND	58	NC
59	NC	60	NC
61	NC	62	NC
63	NC	64	NC
65	NC	66	NC
67	NC	68	SUSCLK
69	PCIE_SATA_SEL	70	+3V
71	GND	72	+3V
73	GND	74	+3V
75	GND		

Pin	Signal	Signal	Pin
1	GND	+3VSB	2
3	USB D+	+3VSB	4
5	USB D-	NA	6
7	GND	NA	8
9	CNV_WGR D1-	CNV_RF RESET	10
11	CNV_WGR D1+	NA	12
13	GND	MODEM_CLKREQ	14
15	CNV_WGR D0-	NA	16
17	CNV_WGR D0+	GND	18
19	GND	NA	20
21	CNV_WGR CLK-	CNV_BRI_RSP	22
23	CNV_WGR CLK+		
33	GND	CNV_RGI_DT	32
35	PETp	CNV_RGI_RSP	34
37	PETn	CNV_BRI_DT	36
39	GND	NA	38
41	PERp	NA	40
43	PERn	NA	42
45	GND	NA	44
47	PEFCLKp	NA	46
49	PEFCLKn	NA	48
51	GND	SUSCLK	50
53	CLKREQ#	PERSTO#	52
55	WAKE#	W_DISABLE1#	54
57	GND	W_DISABLE2#	56
59	CNV_WT D1-	SMB_DATA	58
61	CNV_WT D1+	SMB_CLK	60
63	GND	NA	62
65	CNV_WT D0-	CLKIN_XTAL_LCP	64
67	CNV_WT D0+	NA	66
69	GND	NA	68
71	CNV_WT CLK-	NA	70
73	CNV_WT CLK+	+3VSB	72
75	GND	+3VSB	74

30 : LPC Header

27 : SATA3 Connector (SATA3_2)



28 : M.2 Socket (Key-M) (M2_2)

PIN	Signal Name	PIN	Signal Name
1	GND	2	+3V
3	GND	4	+3V
5	PCIE_RXN3	6	NC
7	PCIE_RXP3	8	NC
9	GND	10	M2_LED
11	PCIE_TXN3	12	+3V
13	PCIE_TXP3	14	+3V
15	GND	16	+3V
17	PCIE_RXN2	18	+3V
19	PCIE_RXP2	20	NC
21	GND	22	NC
23	PCIE_TXN2	24	NC
25	PCIE_TXP2	26	NC
27	GND	28	NC
29	PCIE_RXN1	30	NC
31	PCIE_RXP1	32	NC
33	GND	34	NC
35	PCIE_TXN1	36	NC
37	PCIE_TXP1	38	DEVSLP
39	GND	40	SMB_CLK
41	PCIE_RXN0/SATA_RXP	42	SMB_DATA
43	PCIE_RXP0/SATA_RXN	44	NC
45	GND	46	NC
47	PCIE_TXN0/SATA_TXN	48	NC
49	PCIE_TXP0/SATA_TXP	50	PLT_RST#
51	GND	52	CLKREQ#
53	PCIE_CLKN	54	WAKE#
55	PCIE_CLKP	56	NC
57	GND	58	NC
59	NC	60	NC
61	NC	62	NC
63	NC	64	NC
65	NC	66	NC
67	NC	68	SUSCLK
69	PCIE_SATA_SEL	70	+3V
71	GND	72	+3V
73	GND	74	+3V
75	GND		