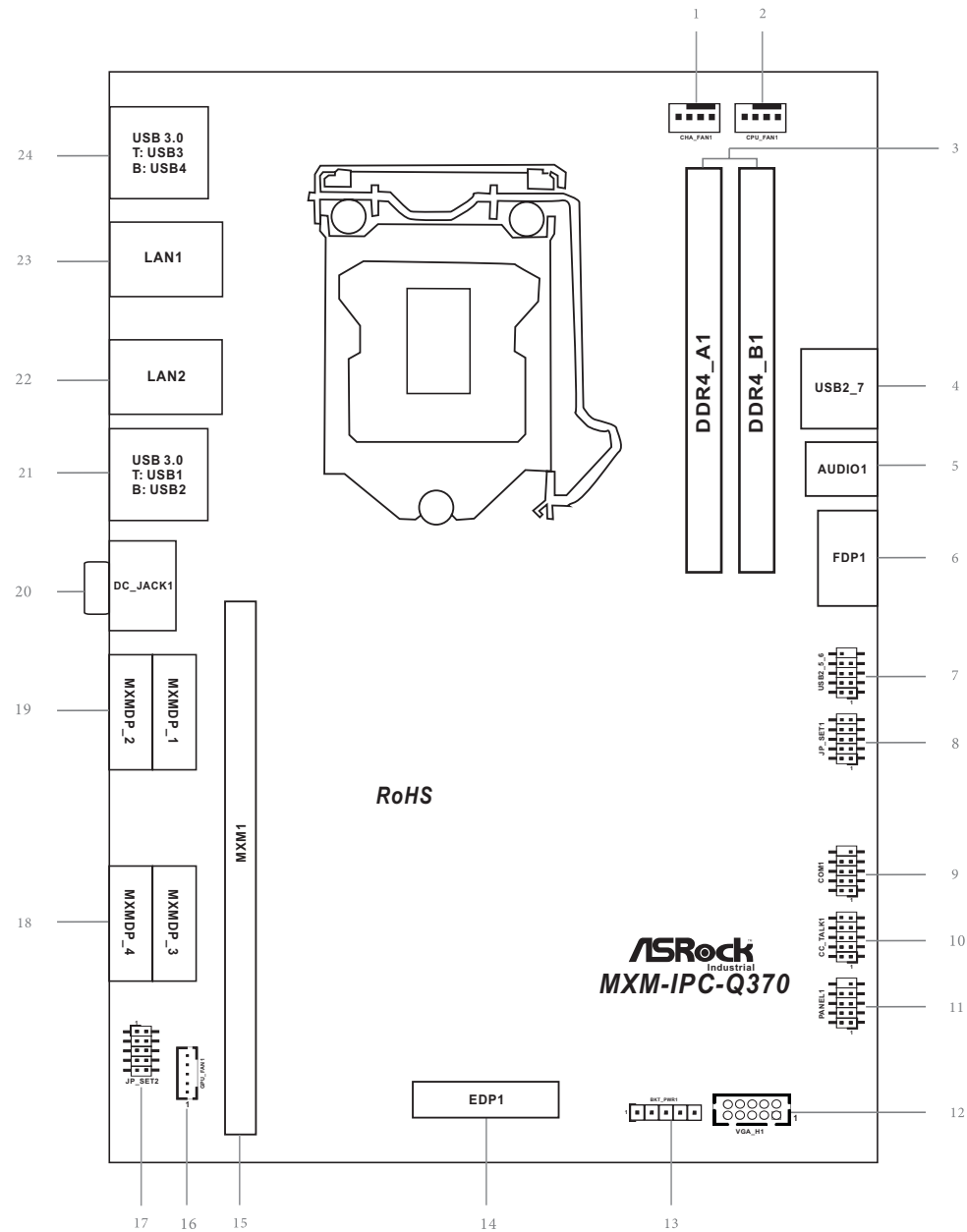
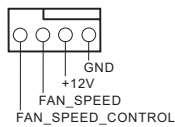


## MXM IPC-Q370

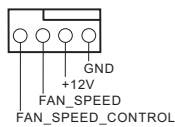
### Top Side View



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



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



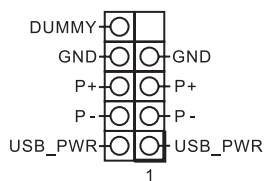
3 : 2 x 260-pin DDR4 SO-DIMM Slots (DDR4\_A1, DDR4\_B1)

4 : USB2.0 Port (USB2\_7)

5 : Audio Jack (AUDIO1)

6 : FDP Port (FDP1)

7 : USB2.0 Header (USB2\_5\_6)



8 : JP\_SET1

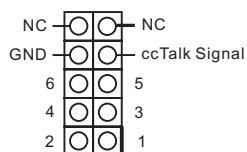
| 10  | 9     | 8                               | 7 |
|-----|-------|---------------------------------|---|
| 6   | 5     | 4                               | 3 |
| 2   | 1     |                                 |   |
| 1-2 | Open  | ATX Mode                        |   |
|     | Close | AT Mode                         |   |
| 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)

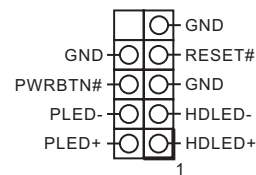
10 : CC\_TALK1

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 |
|-----|-------------|-----|-------------|-----|-------------|-----|-------------|
| 10  | DDC_DATA    | 8   | VSYSNC      | 6   | GND         | 4   | GND         |
| 9   | DDC_CLK     | 7   | HSYNC       | 5   | BLUE        | 3   | GREEN       |
|     |             |     |             |     |             | 2   | GND         |
|     |             |     |             |     |             | 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)

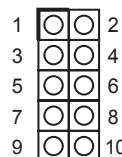
| PIN | Signal Name   |
|-----|---------------|
| 40  | NA            |
| 39  | LCD_BLT_VCC   |
| 38  | LCD_BLT_VCC   |
| 37  | LCD_BLT_VCC   |
| 36  | LCD_BLT_VCC   |
| 35  | SMB_CLK       |
| 34  | SMB_DATA      |
| 33  | CON_LBKLT_CTL |
| 32  | CON_LBKLT_EN  |
| 31  | GND           |
| 30  | GND           |
| 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 : MXMDP Port (MXMDP\_2)

20 : DC Jack (DC\_JACK1)

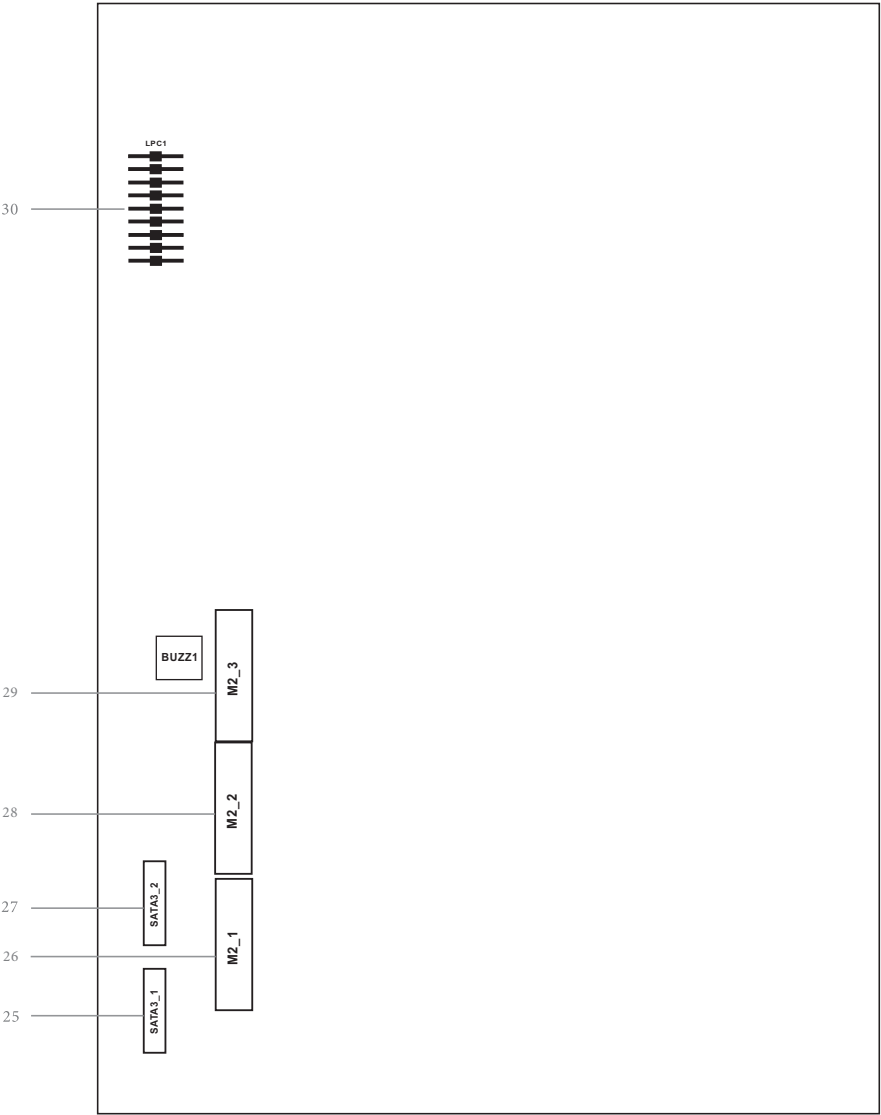
21 : USB3.0 Ports (USB3\_1\_2)

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)

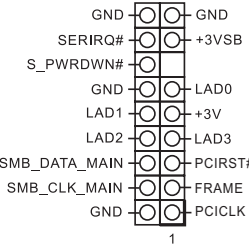
26 : M.2 Socket (Key-M) (M2\_1)

| 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                |     |             |