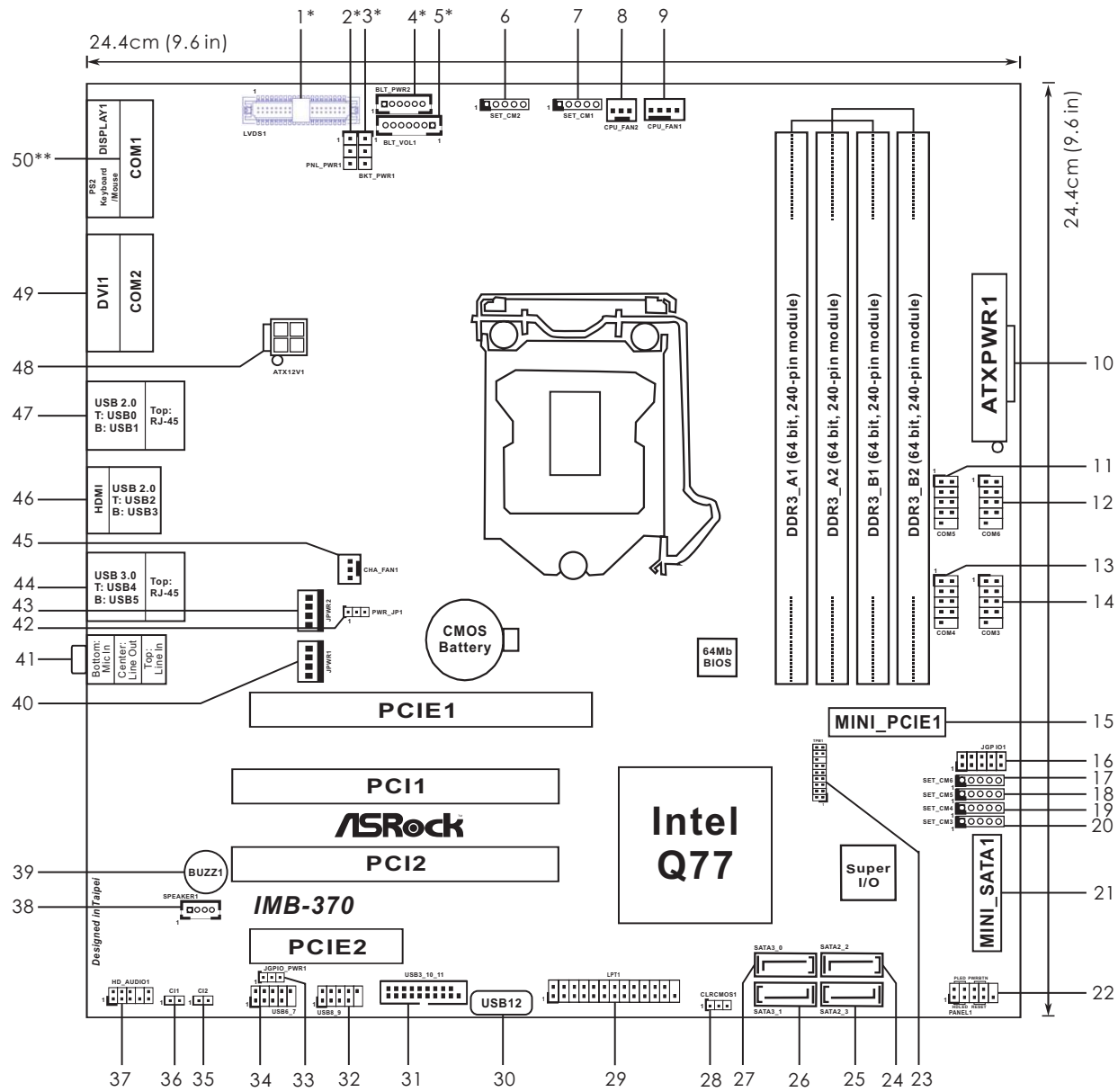




ASRock® Jumpers and headers setting guide

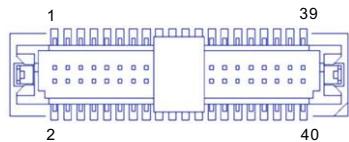
IMB-370-L IMB-370-D

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* For IMB-370L only

1* : LVDS Panel Connector



PIN	Signal Name	PIN	Signal Name
2	R_LVDD	1	R_LVDD
4	LDDC_CLK	3	+3V
6	LVDS_A_DATA0#	5	LDDC_DATA
8	GND	7	LVDS_A_DATA0
10	LVDS_A_DATA1	9	LVDS_A_DATA1#
12	LVDS_A_DATA2#	11	GND
14	GND	13	LVDS_A_DATA2
16	LVDS_A_DATA3	15	LVDS_A_DATA3#
18	LVDS_A_CLK#	17	GND
20	GND	19	LVDS_A_CLK
22	LVDS_B_DATA0	21	LVDS_B_DATA0#
24	LVDS_B_DATA1#	23	GND
26	GND	25	LVDS_B_DATA1
28	LVDS_B_DATA2	27	LVDS_B_DATA2#
30	LVDS_B_DATA3#	29	DPLVDD_EN
32	GND	31	LVDS_B_DATA3
34	LVDS_B_CLK	33	LVDS_B_CLK#
36	CON_LBKLT_EN_R	35	GND
38	LCD_BLT_VCC	37	CON_LBKLT_CTL_R
40	LCD_BLT_VCC	39	LCD_BLT_VCC

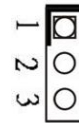
2* : Panel Power Selection

- 1-2 : +3V
- 2-3 : +5V

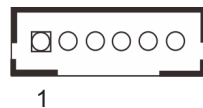


3* : Backlight Power Selection

- 1-2 : +5V
- 2-3 : +12V



4* : Inverter Power control Wafer



PIN	Signal Name
1	LCD_BLT_VCC
2	LCD_BLT_VCC
3	CON_LBKLT_EN
4	CON_LBKLT_CTL
5	GND
6	GND

5* : Backlight & Amp Volume Control



PIN	Signal Name
1	GPIO_VOL_UP
2	GPIO_VOL_DW
3	PWRDN
4	GPIO_BLT_UP
5	GPIO_BLT_DW
6	GND
7	GND

COM Port Signal/Power Setting Jumpers

- 6 : For COM2
- 7 : For COM1
- 17 : For COM6
- 18 : For COM5
- 19 : For COM4
- 20 : For COM3



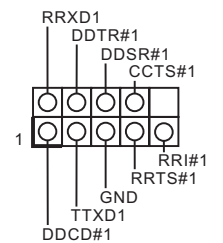
- 1-2 : +12V
- 2-3 : +5V
- 4-5 : RI#

- 8 : 3-Pin CPU FAN Connector (+12V)
- 9 : 4-Pin CPU FAN Connector (+12V)

10 : 20-pin ATX Power Input Connector

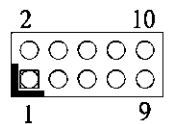
RS-232 Port 4 Pin Headers

- 11 : COM5
- 12 : COM6
- 13 : COM4
- 14 : COM3



15 : mini-PCIE Slot

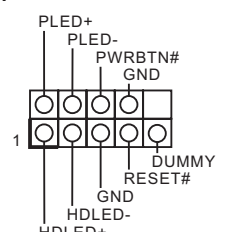
16 : Digital Input / Output Pin Header

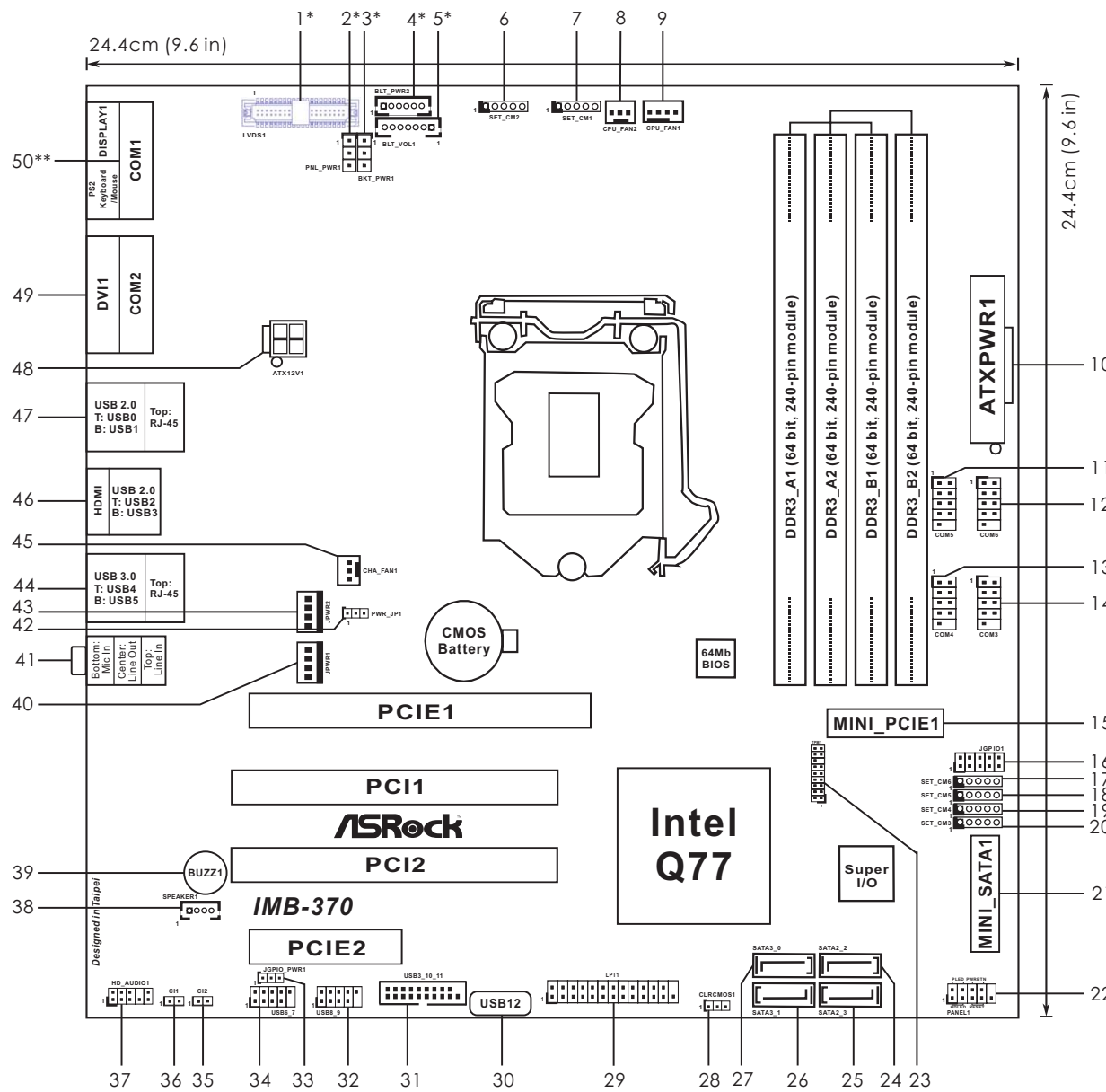


PIN	Signal Name	PIN	Signal Name
1	SIO_GP24	2	SIO_GP20
3	SIO_GP25	4	SIO_GP21
5	SIO_GP26	6	SIO_GP22
7	SIO_GP27	8	SIO_GP23
9	JGPIO_PWR1	10	GND

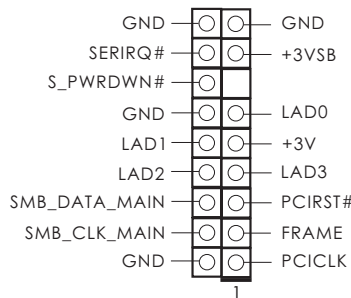
21 : mini-SATA Slot

22 : System Panel Header



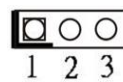


23 : TPM Header



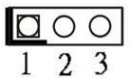
33 : Digital Input / Output Power select

1-2: +12V
2-3: +5V



42 : ATX/AT mode Selection

1-2: AT mode
2-3: ATX mode



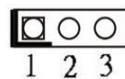
- 24 : SATA2_2 Connector (Blue)
- 25 : SATA2_3 Connector (Blue)
- 26 : SATA3_1 Connector (White)
- 27 : SATA3_0 Connector (White)

35 : Chassis Intrusion Header 2
36 : Chassis Intrusion Header 1



44 : Top : RJ45 LAN Port 2
Bottom : USB3.0 (USB_4_5)

28 : Clear CMOS Header
1-2: Normal
2-3: Clear CMOS



45 : 3-Pin Chassis FAN Connector (+12V)

46 : Top : USB2.0 (USB23)
Bottom : HDMI

47 : Top : RJ45 LAN Port 1
Bottom : USB2.0 (USB_0_1)

48 : 4-pin ATX Power Input Connector

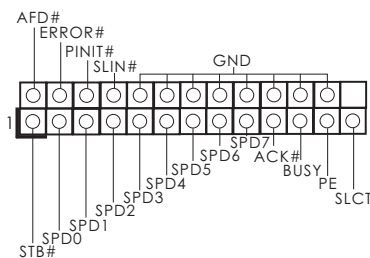
49 : Top : COM2***
Bottom : DVI1 (DVI-I, CRT combo)

*** Only IMB-370D has DisplayPort

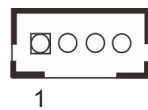
50 : Top : COM1***
**Bottom left: Display1
Bottom right: PS/2 Keyboard/Mouse

*** This motherboard supports RS232/422/485 on COM1, 2 ports. Please refer to below table for the pin definition. In addition, COM1, 2 ports (RS232/422/485) can be adjusted in BIOS setup utility > Advanced Screen > Super IO Configuration. You may refer to page 38 of our user manual for details.

29 : Printer Port Header



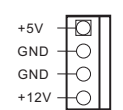
38 : 3W Audio AMP Output Wafer



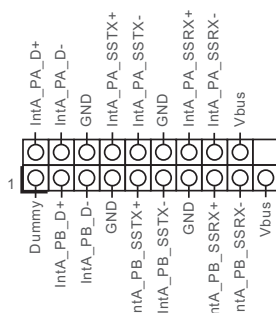
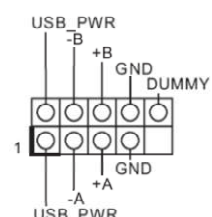
PIN	Signal Name
1	SPK L-
2	SPK L+
3	SPK R+
4	SPK R-

39 : Buzzer

40 : SATA Power Connector 1
43 : SATA Power Connector 2



- 30 : USB2.0 Port (USB12)
- 31 : USB3.0 Header (USB3_10_11)
- 32 : USB2.0 Header (USB8_9)
- 34 : USB2.0 Header (USB6_7)



41 : Audio Jacks
Blue - Line In
Green - Line Out
Pink - Mic In

COM1, 2 Port Pin Definition

PIN	RS232	RS422	RS485
1	DCD, Data Carrier Detect	TX-	RTX-
2	RXD, Receive Data	RX+	N/A
3	TXD, Transmit Data	TX+	RTX+
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	No Power/5V/12V	N/A	N/A