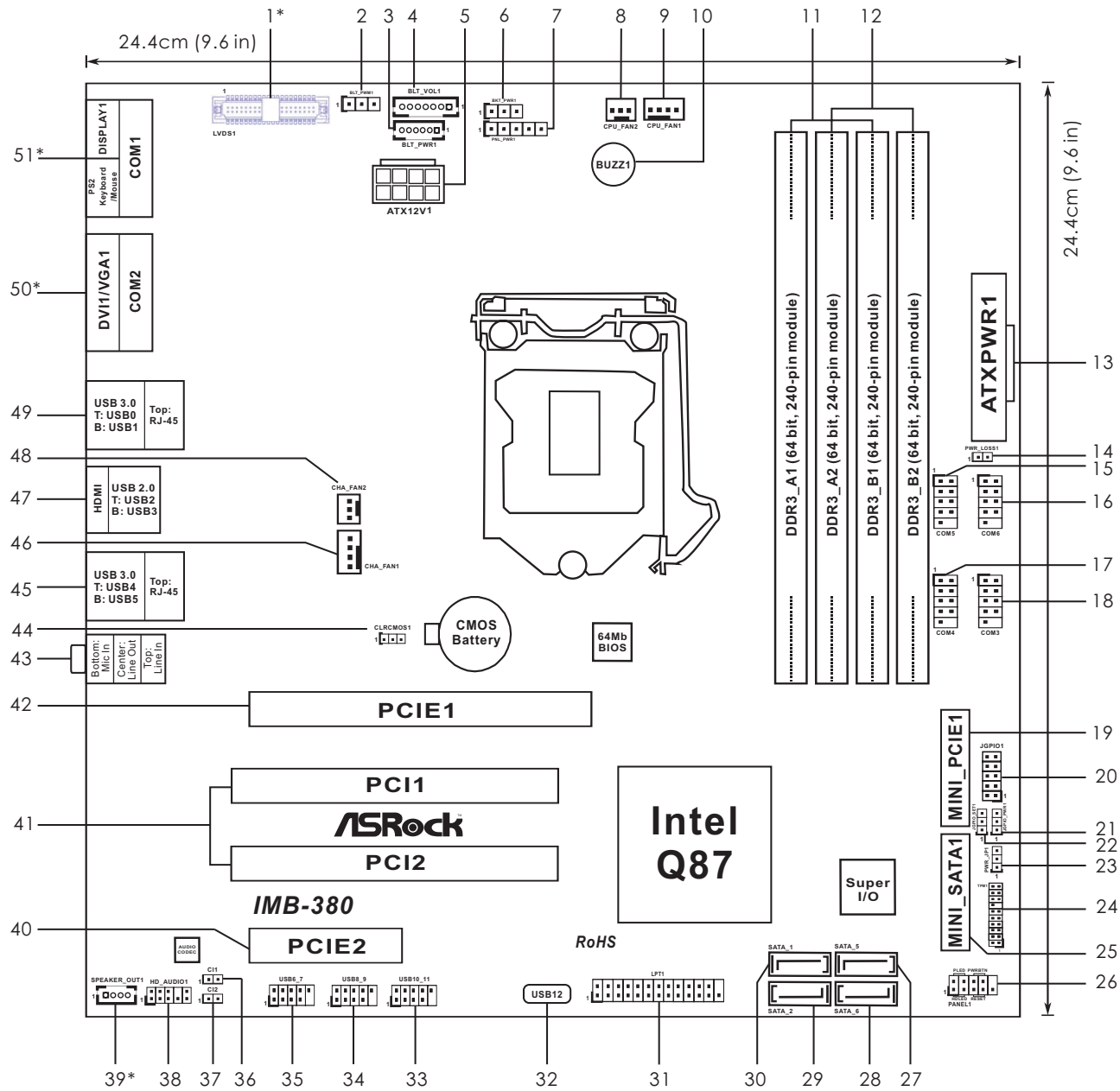
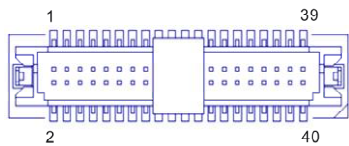


ASRock® Jumpers and headers setting guide

IMB-380-L
IMB-380-D

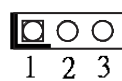


1* : LVDS Panel Connector
(For IMB-380-L only)



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 : Backlight PWM Header
1-2 : +3V
2-3 : +5V



3 : Inverter Power control Wafer



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

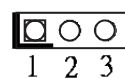
4 : Backlight & Amp Volume Control



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

5 : 8-pin ATX Power Input Connector

6 : Backlight Power Selection
1-2 : +5V
2-3 : +12V



7 : Panel Power Selection
1-2 : +3V
2-3 : +5V
4-5 : +12V



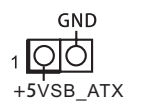
8 : 3-Pin CPU FAN Connector (+12V)
9 : 4-Pin CPU FAN Connector (+12V)
10 : Buzzer

11 : DDR3 DIMM Slots
(DDR3_A1, DDR3_B1)

12 : DDR3 DIMM Slots
(DDR3_A2, DDR3_B2)

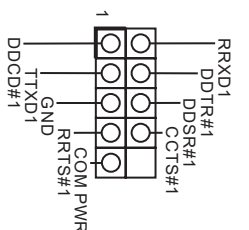
13 : 24-pin ATX Power Input Connector

14 : PWR LOSS Header
Short : Power Loss
Close : no Power Loss



RS-232 Port 4 Pin Headers

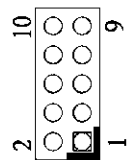
15 : COM5
16 : COM6
17 : COM4
18 : COM3



19 : mini-PCIE Slot

20 : Digital Input / Output
Pin Header

PIN	Signal Name	PIN	Signal Name
1	SIO_24	2	SIO_20
3	SIO_25	4	SIO_21
5	SIO_26	6	SIO_22
7	SIO_27	8	SIO_23
9	JGPIO_PWR1	10	GND

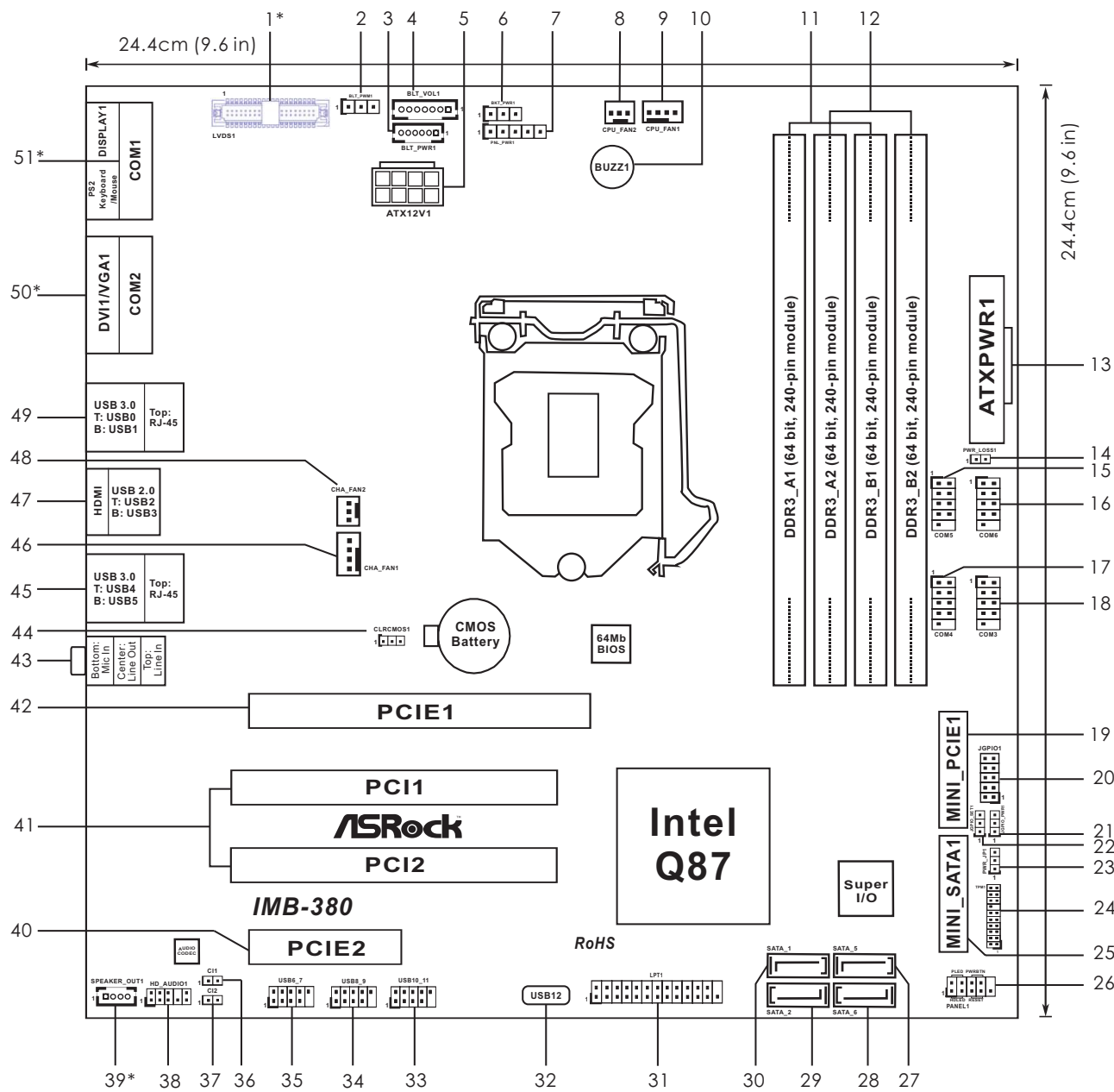


21 : Digital Input / Output Power Select
1-2 : +12V
2-3 : +5V



22 : Digital Input / Output Default Value Setting
1-2 : +5V
2-3 : GND

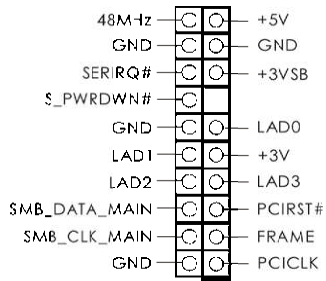




23 : ATX/AT mode Selection
 1-2: AT mode
 2-3: ATX mode



24 : TPM Header



32 : USB2.0 Port (USB12)

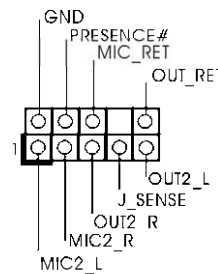
USB2.0 Headers

33 : USB10_11
 34 : USB8_9
 35 : USB6_7

36 : Chassis Intrusion Header 1
 37 : Chassis Intrusion Header 2

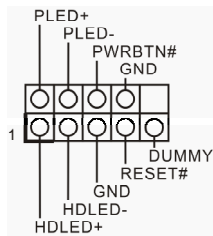


38 : Front Panel Audio Header

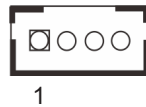


25 : mini-SATA Slot

26 : System Panel Header



39* : 3W Audio AMP Output Wafer
 (For IMB-380-L only)

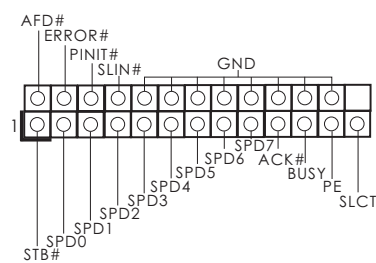


PIN	Signal Name
1	SPK L+
2	SPK L-
3	SPK R-
4	SPK R+

SATA3 Connectors

27 : SATA_5
 28 : SATA_6
 29 : SATA_2
 30 : SATA_1

31 : Printer Port Header



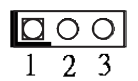
40 : PCIE Slot (PCIE x4)
 41 : PCI Slots
 42 : PCIE Slot (PCIE x16)

43 : Audio Jacks

Blue - Line In
 Green - Line Out
 Pink - Mic In

44 : Clear CMOS Header

1-2: Normal
 2-3: Clear CMOS



45 : Top : RJ45 LAN Port 2
 Bottom : USB3.0 (USB4_5)

46 : 4-Pin Chassis FAN Connector (+12V)

47 : Top : USB2.0 (USB2_3)
 Bottom : HDMI

48 : 3-Pin Chassis FAN Connector (+12V)

49 : Top : RJ45 LAN Port 1
 Bottom : USB3.0 (USB0_1)

50* : Top : COM2
 Bottom :
 IMB-380-D: DVI-I1
 IMB-380-L: VGA1

51* : Top : COM1
 Bottom left: Display1
 (For IMB-380-D only)
 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.

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