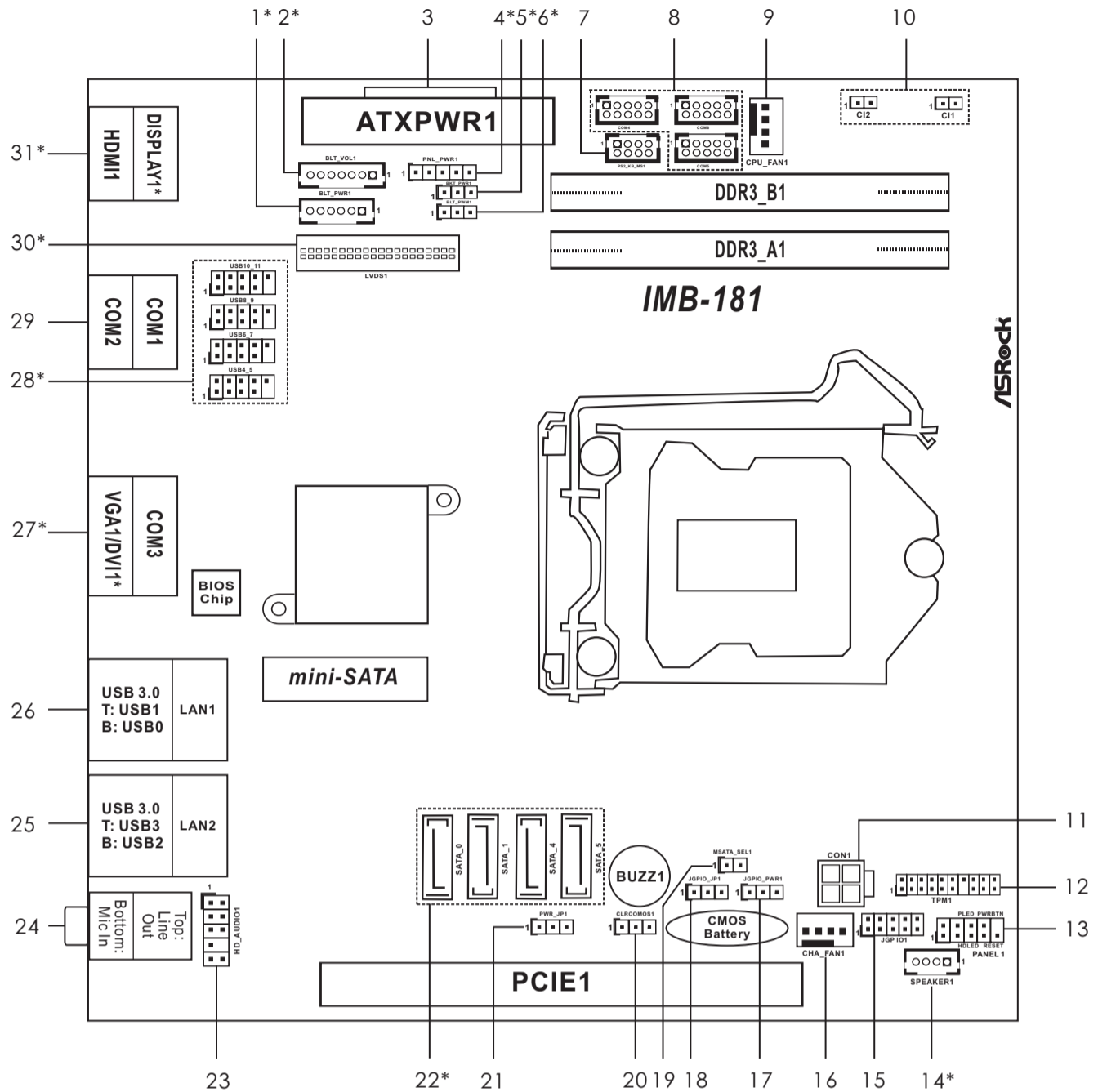


# ASRock® Jumpers and headers setting guide

IMB-181-D  
IMB-181-L  
IMB-181-DB



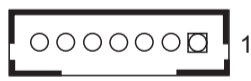
1\* : Backlight Power Connector  
(For IMB-181-L only)

PIN	Signal Name
1	GND
2	GND
3	BL_CTL
4	BL_EN
5	LCD_BLT_VCC
6	LCD_BLT_VCC



2\* : Backlight Volume Control  
(For IMB-181-L only)

PIN	Signal Name
1	GPIO_VOL_UP
2	GPIO_VOL_DW
3	PWRDN
4	LVDS1 BLUP
5	LVDS1 BLDW
6	GND
7	GND



3 : 24-pin ATX Power Input Connector

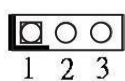
4\* : PNL\_PWR1 (For IMB-181-L only)

1-2: LVDD: +3V  
2-3: LVDD: +5V  
4-5: LVDD: +12V

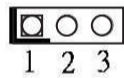


5\* : Backlight Power Selection  
(For IMB-181-L only)

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

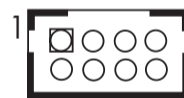


6\* : BLT\_PWM1 (For IMB-181-L only)  
1-2: +3V Level  
2-3: +5V Level



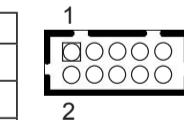
7 : PS2\_KB\_MS1

PIN	Signal Name
1	KBCLK
2	+5V
3	KBDATA
4	+5V
5	MSDATA
6	GND
7	MSCLK
8	GND

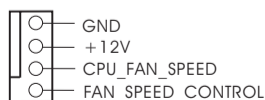


8 : COM4, 5, 6 Headers (RS232)

PIN	Signal Name	PIN	Signal Name
1	DCD	6	DSR
2	RXD	7	RTS
3	TXD	8	CTS
4	DTR	9	No Power/5V/12V
5	GND	10	NC

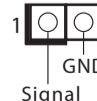


9 : 4-Pin Chassis FAN Connector (+12V)



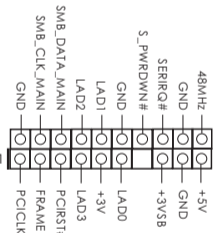
10 : Chassis Intrusion Headers

CI1:  
Close: Active case open  
Open: Normal  
CI2:  
Close: Normal  
Open: Active case open

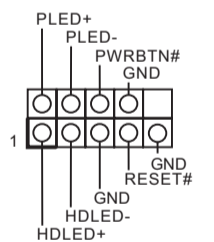


11 : 4-pin ATX Power Input Connector

12 : TPM Header



13 : System Panel Header



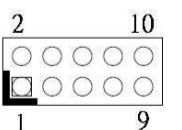
14\* : 3W Audio AMP Output Wafer  
(For IMB-181-L only)

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

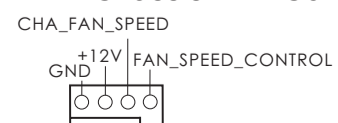


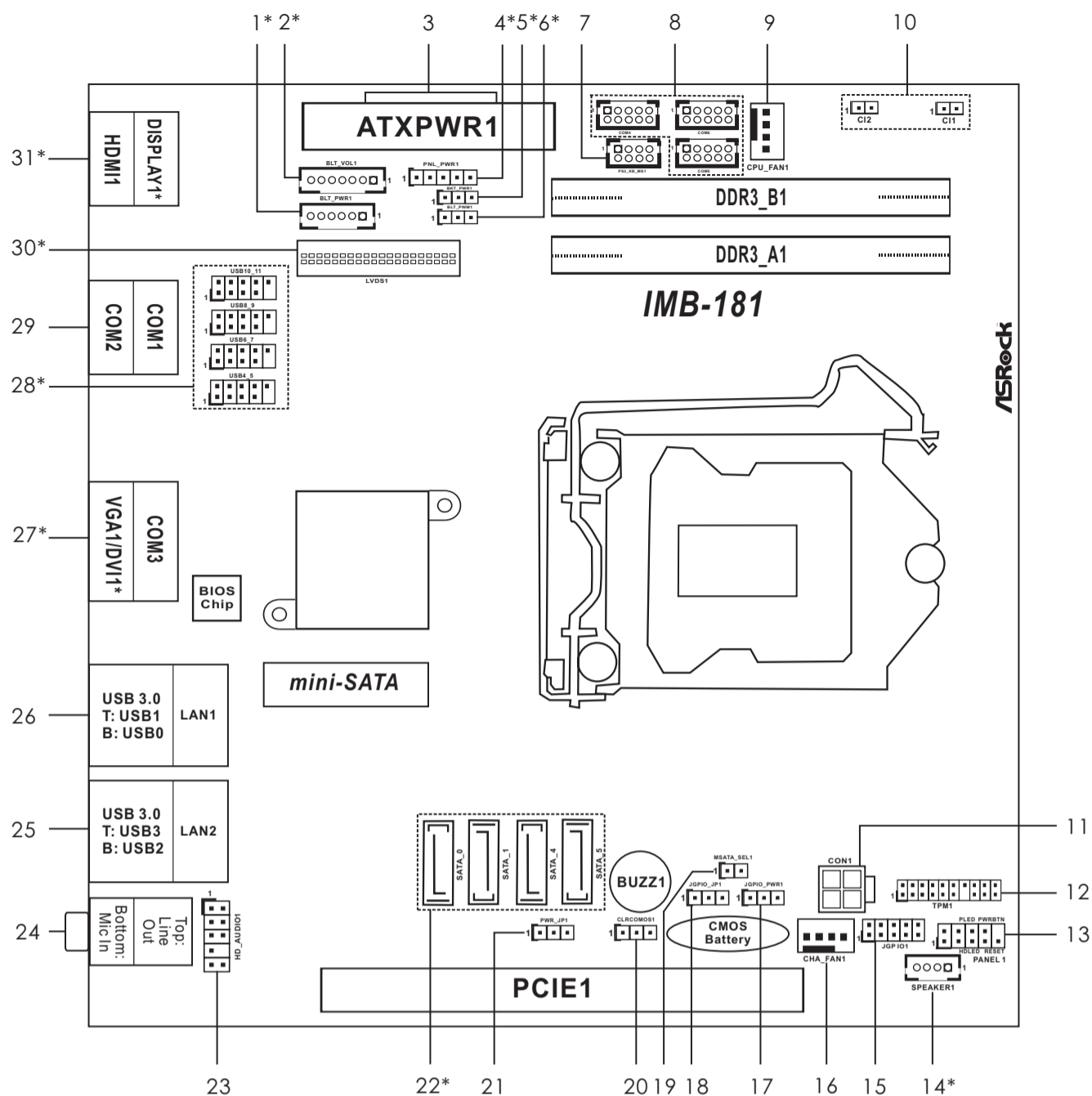
15 : Digital Input / Output  
Pin Header

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



16 : 4-Pin Chassis FAN Connector (+12V)





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

18 : GPIO Default Setting  
 1-2: +5V  
 2-3: GND

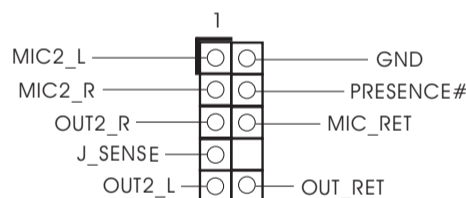
19 : mSATA Select  
 Open: Use SATA\_5  
 Close: Use mSATA

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

21 : ATX/AT Mode Jumper  
 1-2: AT Mode  
 2-3: ATX Mode

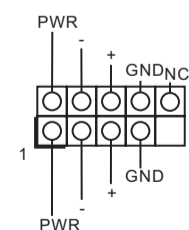
22\* :  
**IMB-181-D / IMB-181-L:**  
 SATA3 Connectors  
 (SATA\_5 (orange) is shared with mini-PCIe / mini-SATA slot)  
**IMB-181-DB:**  
 SATA2 Connectors  
 (SATA\_4, SATA\_5)  
 (SATA\_5 (orange) is shared with mini-SATA slot)  
 SATA3 Connectors  
 (SATA\_0, SATA\_1)

23 : Front Panel Audio Header



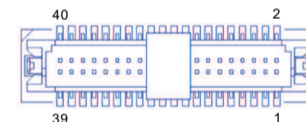
24 : Audio Jacks  
 Green - Line Out  
 Pink - Mic In  
 25 : Top : RJ45 LAN Port2  
 Bottom : USB3.0 (USB\_2\_3)  
 26 : Top : RJ45 LAN Port1  
 Bottom : USB3.0 (USB\_0\_1)  
 27\* : Top : COM3  
 Bottom : VGA1 (IMB-181-L)  
 DVI1 (IMB-181-D)

28\* : USB2.0 Connectors  
 (USB6\_7 is for IMB-181-D / IMB-181-L only)



29 : Top : COM1  
 Bottom : COM2

30\* : LVDS Panel Connector  
 (For IMB-181-L only)



PIN	Signal Name	PIN	Signal Name
1	LVDD	2	LVDD
3	+3V	4	N/A
5	N/A	6	LVDS_A_DATA0#
7	LVDS_A_DATA0	8	GND1
9	LVDS_A_DATA1#	10	LVDS_A_DATA1
11	GND6	12	LVDS_A_DATA2#
13	LVDS_A_DATA2	14	GND2
15	LVDS_A_DATA3#	16	LVDS_A_DATA3
17	GND7	18	LVDS_A_CLK#
19	LVDS_A_CLK	20	GND3
21	LVDS_B_DATA0#	22	LVDS_B_DATA0
23	GND8	24	LVDS_B_DATA1#
25	LVDS_B_DATA1	26	GND4
27	LVDS_B_DATA2#	28	LVDS_B_DATA2
29	DPLVDD_EN	30	LVDS_B_DATA3#
31	LVDS_B_DATA3	32	GND5
33	LVDS_B_CLK#	34	LVDS_B_CLK
35	GND9	36	CON_LBKLT_EN_R
37	CON_LBKLT_CTR_R	38	LCD_BLT_VCC
39	LCD_BLT_VCC	40	LCD_BLT_VCC

31\* : Top : DisplayPort  
 (For IMB-181-D only)  
 Bottom : HDMI1