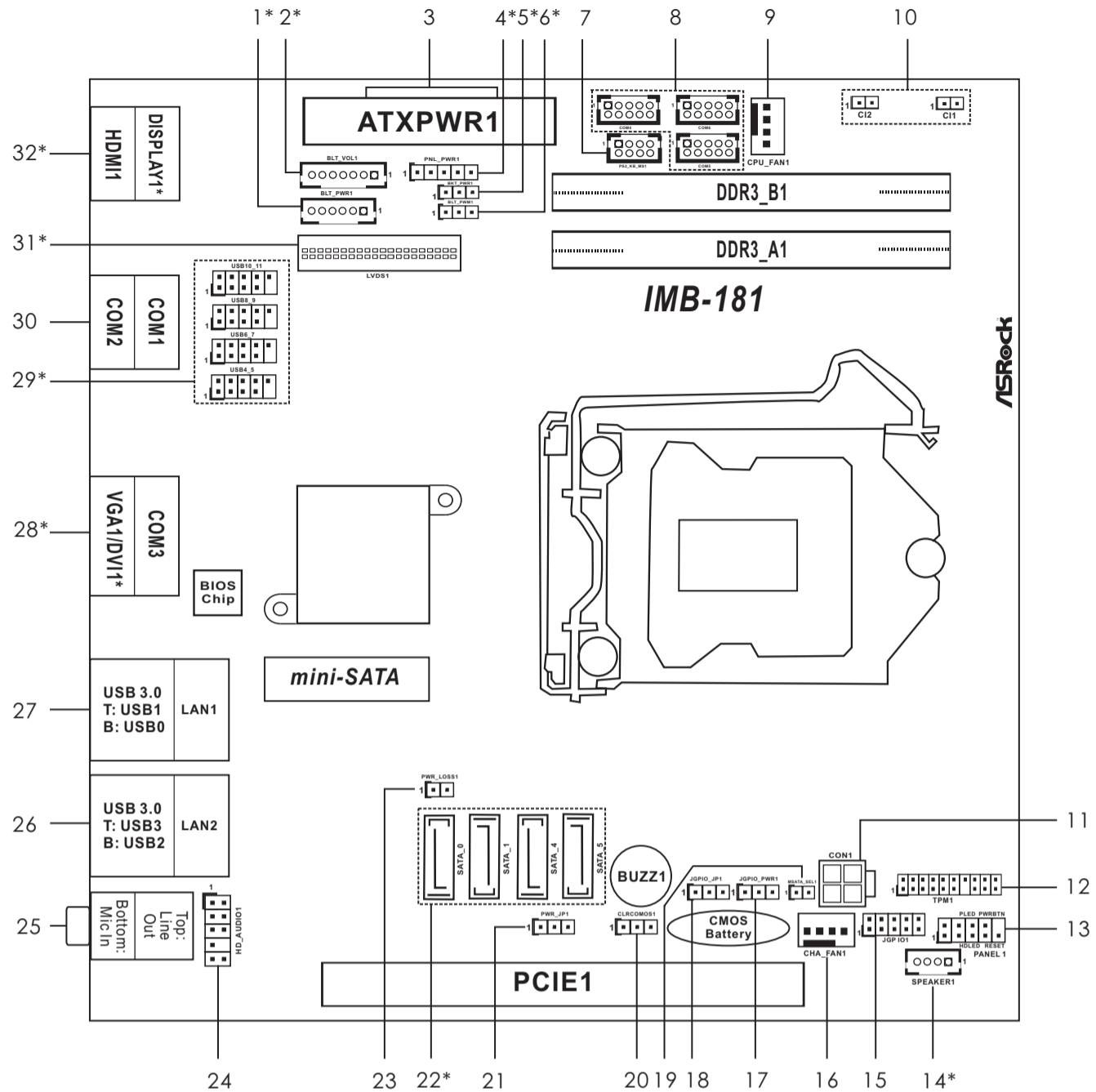


ASRock Jumpers and headers setting guide

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

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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_BLPUP
5	LVDS1_BLDW
6	GND
7	GND



3 : 24-pin ATX Power Input Connector

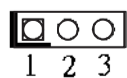
4* : PNL_PWR1 (For IMB-181-L only)

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

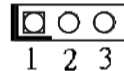


5* : Backlight Power Selection
(For IMB-181-L only)

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

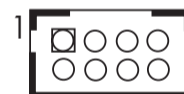


6* : BLT_PWM1 (For IMB-181-L only)
1-2 : +3V Level
2-3 : +5V Level



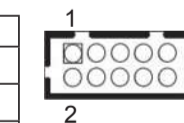
7 : PS2_KB_MS1

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

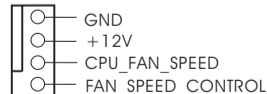


8 : COM4, 5, 6 Headers (RS232)

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

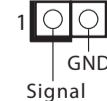


9 : 4-Pin Chassis FAN Connector (+12V)



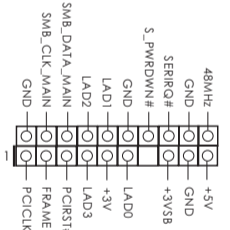
10 : Chassis Intrusion Headers

C11:
Close: Active case open
Open: Normal
C12:
Close: Normal
Open: Active case open

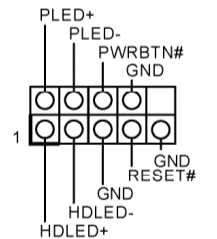


11 : 4-pin ATX Power Input Connector

12 : TPM Header



13 : System Panel Header



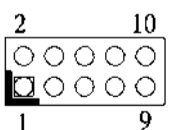
14* : 3W Audio AMP Output Wafer
(For IMB-181-L only)

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

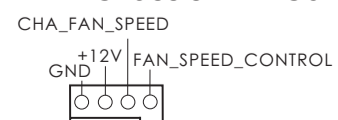


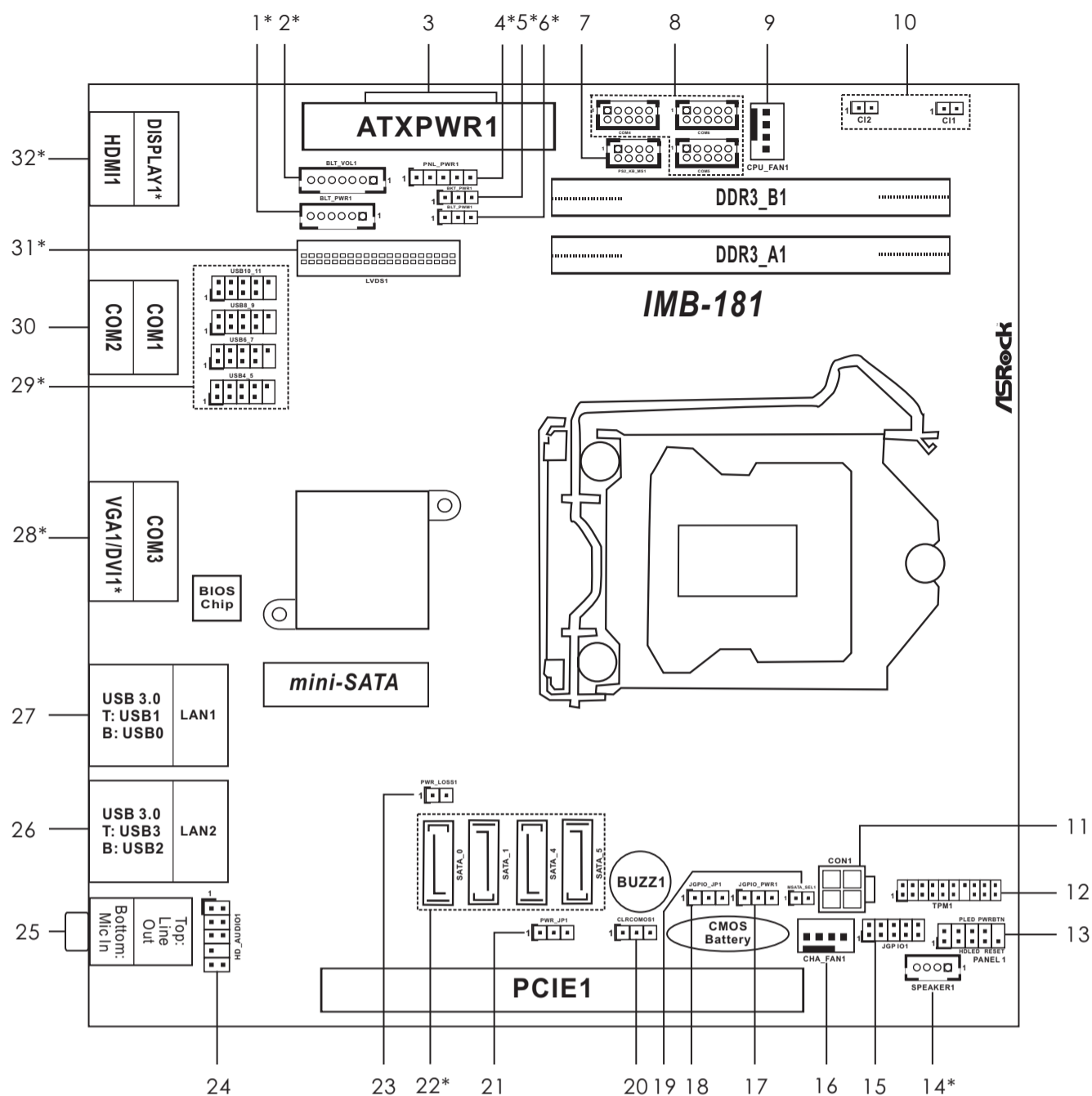
15 : Digital Input / Output
Pin Header

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 : Power Loss Jumper
 Short: Power Loss
 Close: no Power Loss

24 : Front Panel Audio Header

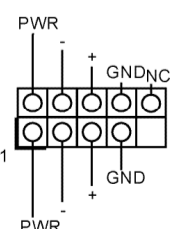
25 : Audio Jacks
 Green - Line Out
 Pink - Mic In

26 : Top : RJ45 LAN Port2
 Bottom : USB3.0 (USB_2_3)

27 : Top : RJ45 LAN Port1
 Bottom : USB3.0 (USB_0_1)

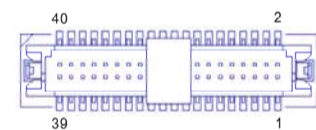
28* : Top : COM3
 Bottom : VGA1 (IMB-181-L)
 DVI1 (IMB-181-D)

29* : USB2.0 Connectors
 (USB6_7 is for IMB-181-D / IMB-181-L only)



30 : Top : COM1
 Bottom : COM2

31* : 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

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