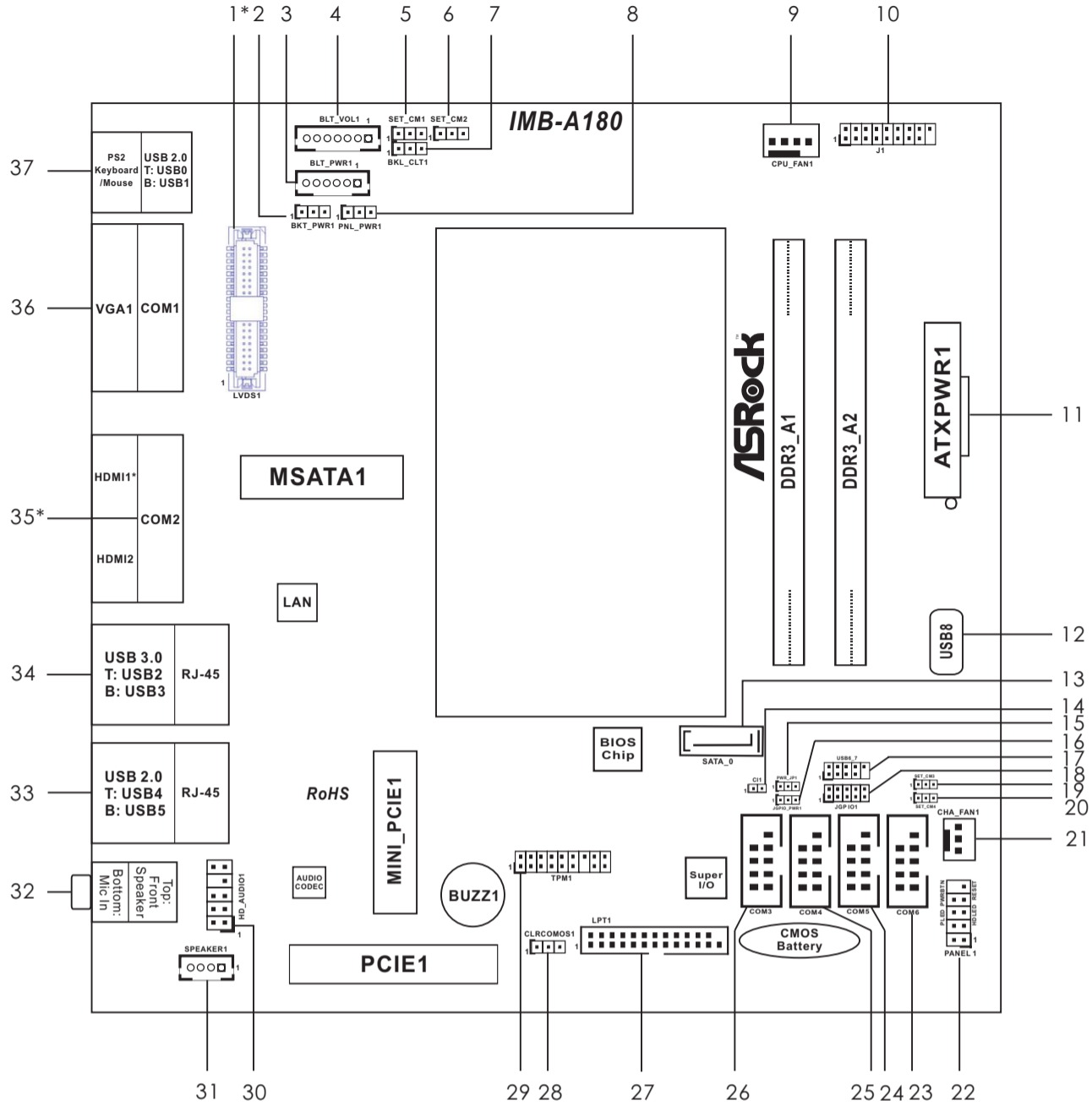




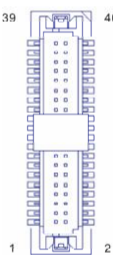
ASRock Jumpers and headers setting guide

IMB-A180-H IMB-A180

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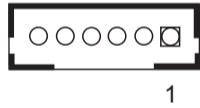


1* : LVDS Panel Connector
* LVDS is for IMB-A180 only



PIN	Signal Name	PIN	Signal Name
1	LVDS_PWR	2	LVDS_PWR
3	+3V	4	DDC CLK
5	DDC DATA	6	LVDS1 D0(-)
7	LVDS1 D0(+)	8	GND
9	LVDS1 D1(-)	10	LVDS1 D1(+)
11	GND	12	LVDS1 D2(-)
13	LVDS1 D2(+)	14	GND
15	LVDS1 D3(-)	16	LVDS1 D3(+)
17	GND	18	LVDS1 CLK(-)
19	LVDS1 CLK(+)	20	GND
21	LVDS2 D0(-)	22	LVDS2 D0(+)
23	GND	24	LVDS2 D1(-)
25	LVDS2 D1(+)	26	GND
27	LVDS2 D2(-)	28	LVDS2 D2(+)
29	LVDS PWR EN	30	LVDS2 D3(-)
31	LVDS2 D3(+)	32	GND
33	LVDS2 CLK(-)	34	LVDS2 CLK(+)
35	GND	36	B/L ENABLE
37	B/L ADJUST	38	BLT_PWR
39	BLT_PWR	40	BLT_PWR

3 : Inverter Power/Control Header



PIN	Signal Name
1	GND
2	GND
3	B/L ADJUST
4	B/L ENABLE
5	LCD BLT VCC
6	LCD BLT VCC

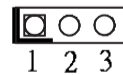
4 : Panel Backlight & Audio AMP Volume Control Header



PIN	Signal Name
1	VOL_UP
2	VOL_DW
3	BKT_ON/OFF
4	BKT_UP
5	BKT_DW
6	GND
7	GND

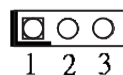
COM Port Pin9/Power Setting Jumpers

- 5 : For COM1
- 6 : For COM2
- 19 : For COM3
- 20 : For COM4



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

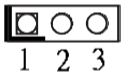
7 : Backlight Control Signal Setting Header



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

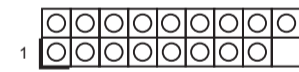
8 : LVDS Power (VDD Power) Jumper

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



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

10: AMD Debug Header



PIN	Signal Name	PIN	Signal Name
1	APU_DBRDY	2	APU_TDO
3	GND	4	APU_TDI
5	GND	6	APU_TMS
7	GND	8	APU_TCK
9	APU_DBREQ#	10	APU_BTN#
11	PWR_+1.8V	12	SYS_RST#
13	APU_LDT_RST#	14	SMB_CLK
15	GND	16	SMB_DATA
17	NC	18	X

11 : 20-pin ATX Power Input Connector

12 : USB2.0 Port (USB8)

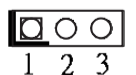
13 : SATA3 Connector

14 : Chassis Intrusion Header 1



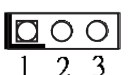
15 : ATX/AT Mode Jumper

1-2: AT Mode
2-3: ATX Mode



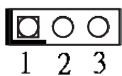
16 : Digital Input / Output Power select

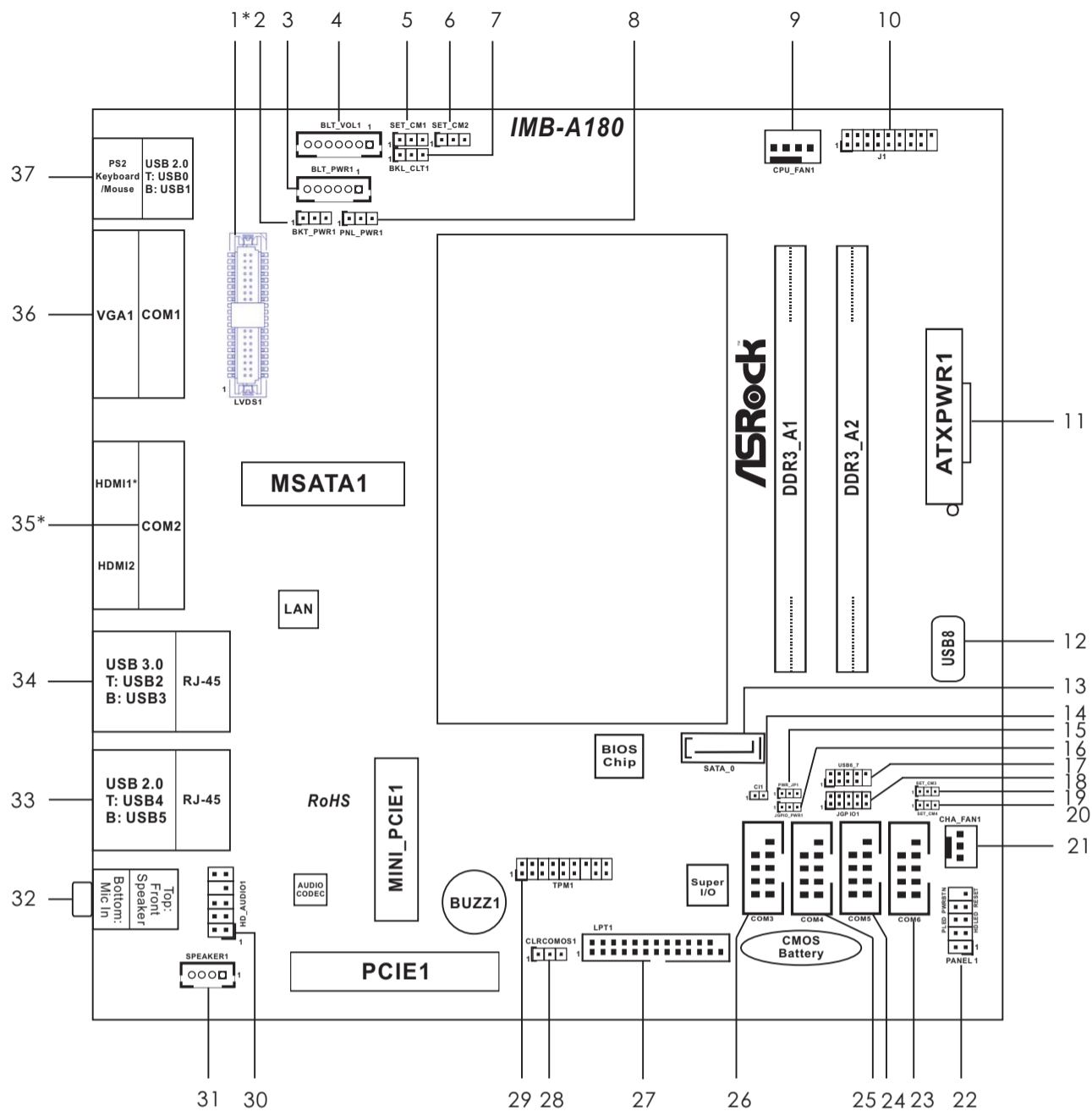
1-2: +12V
2-3: +5V



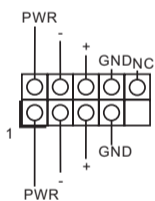
2 : Panel Backlight Power Jumper

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

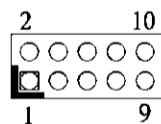




17 : USB2.0 Connector (USB67)



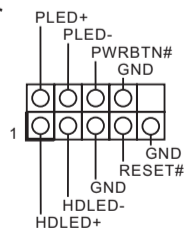
18 : Digital Input / Output Pin Header



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_PWR	10	GND

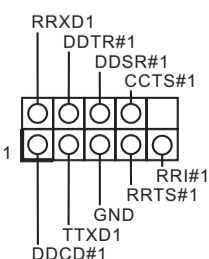
21 : 3-Pin Chassis FAN Connector (+12V)

22 : System Panel Header

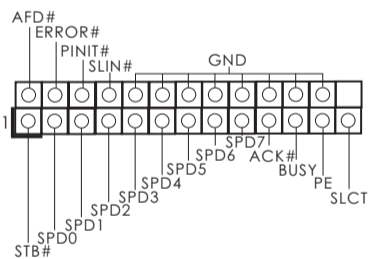


RS-232 Port 4 Pin Headers

- 23 : COM6
- 24 : COM5
- 25 : COM4
- 26 : COM3

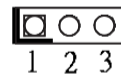


27 : Printer Port Header

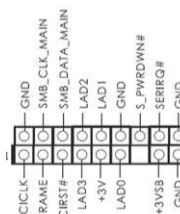


28 : Clear CMOS Header

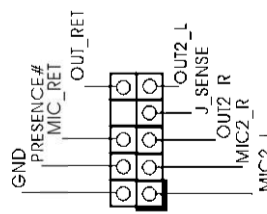
- 1-2: Normal
- 2-3: Clear CMOS



29 : TPM Header



30 : Front Panel Audio Header



31 : 3W Audio AMP Output Wafer



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

32 : Audio Jacks

- Green - Front Speaker
- Pink - Mic In

33 : Top : RJ45 LAN Port
Bottom : USB2.0 (USB4_5)

34 : Top : RJ45 LAN Port (DASH support)
Bottom : USB3.0 (USB2_3)

35 : Top : COM2
Bottom left: HDMI1*
Bottom right: HDMI2

* HDMI1 is for IMB-A180-H only

36 : Top : COM1
Bottom : VGA1

37 : Top : USB2.0 (USB01)
Bottom : PS/2 Keyboard/Mouse