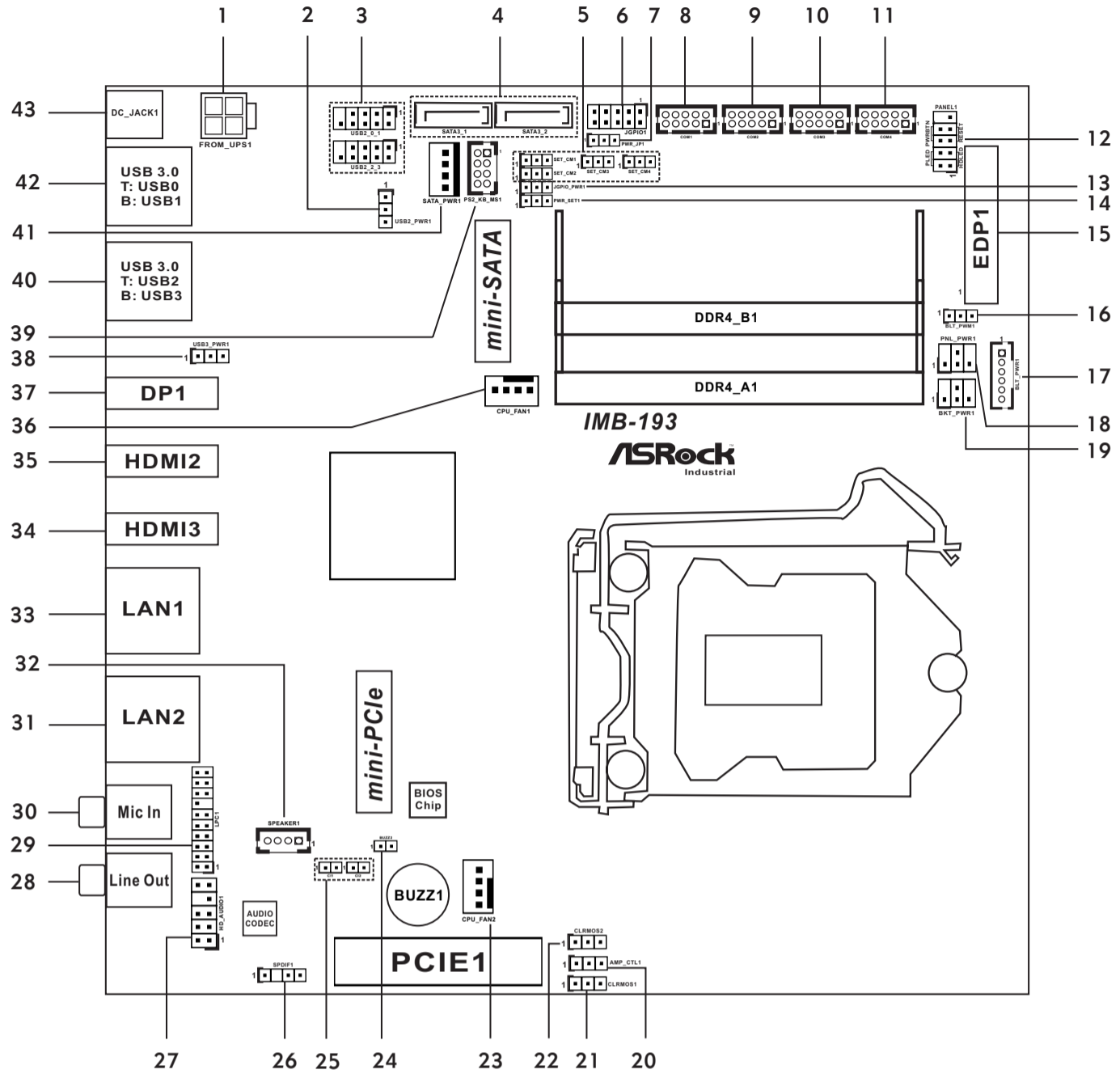


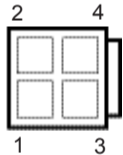
ASRock Jumpers and Headers Setting Guide

IMB-193

The terms HDMI™ and HDMI High-Definition Multimedia Interface, and the HDMI logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.



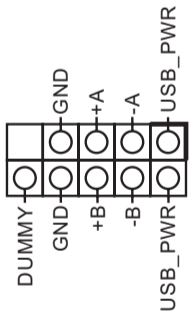
1 : ATX Power Connector
1-2: GND
3-4: DC Input (+19V only)



2 : USB2.0 Switch Header
1-2: +5V
2-3: +5VSB



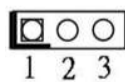
3 : USB2.0 Headers (USB2_0_1, USB2_2_3)



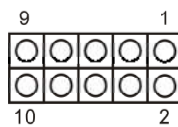
4 : SATA3 Connectors (SATA3_1, SATA3_2)



5 : COM1, 2, 3, 4 PWR Setting Jumpers
1-2: +5V
2-3: +12V

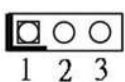


6 : Digital Input / Output Pin Header

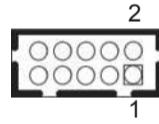


PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
9	JGPIO_PWR	7	SIO_GP27	5	SIO_GP26	3	SIO_GP25	1	SIO_GP24
10	GND	8	SIO_GP23	6	SIO_GP22	4	SIO_GP21	2	SIO_GP20

7 : ATX/AT Mode Jumper (PWR_JP1)
1-2: AT Mode
2-3: ATX Mode



COM1, 2, 3, 4 Headers
8 : COM1
9 : COM2
10 : COM3
11 : COM4



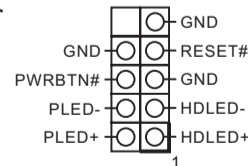
PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
10	N/A	8	CCTS#	6	DDSR#	4	DDTR#	2	RRXD
9	+5V	7	RRTS#	5	GND	3	TTXD	1	DCCD#

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

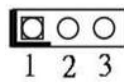
COM1 Port Pin Definition

PIN	RS232	RS422	RS485
1	DCD	TX-	RTX-
2	RXD	RX+	N/A
3	TXD	TX+	RTX+
4	DTR	RX-	N/A
5	GND	GND	GND
6	DSR	N/A	N/A
7	RTS	N/A	N/A
8	CTS	N/A	N/A
9	+5V	+5V	+5V
10	N/A	N/A	N/A

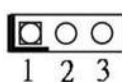
12 : System Panel Header



13 : Digital Input / Output Power Select (JGPIO_PWR1)
1-2: +12V
2-3: +5V



14 : Digital Input / Output Default Value Setting (JGPIO_SET1)
1-2: Pull-High (+3V)
2-3: Pull-Low

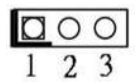


15 : eDP Connector



PIN	Signal Name
40	NA
39	LCD_BLT_VCC
38	LCD_BLT_VCC
37	LCD_BLT_VCC
36	LCD_BLT_VCC
35	SMB_CLK
34	SMB_DATA
33	CON_LBKLT_CTL
32	CON_LBKLT_EN
31	GND
30	GND
29	GND
28	GND
27	eDP_HPDCON
26	GND
25	GND
24	GND
23	GND
22	NA
21	LCD_VCC
20	LCD_VCC
19	LCD_VCC
18	LCD_VCC
17	GND
16	eDP_AUX#_CON
15	eDP_AUX_CON
14	GND
13	eDP_TX0_CON
12	eDP_TX#0_CON
11	GND
10	eDP_TX1_CON
9	eDP_TX#1_CON
8	GND
7	eDP_TX2_CON
6	eDP_TX#2_CON
5	GND
4	eDP_TX3_CON
3	eDP_TX#3_CON
2	GND
1	NA

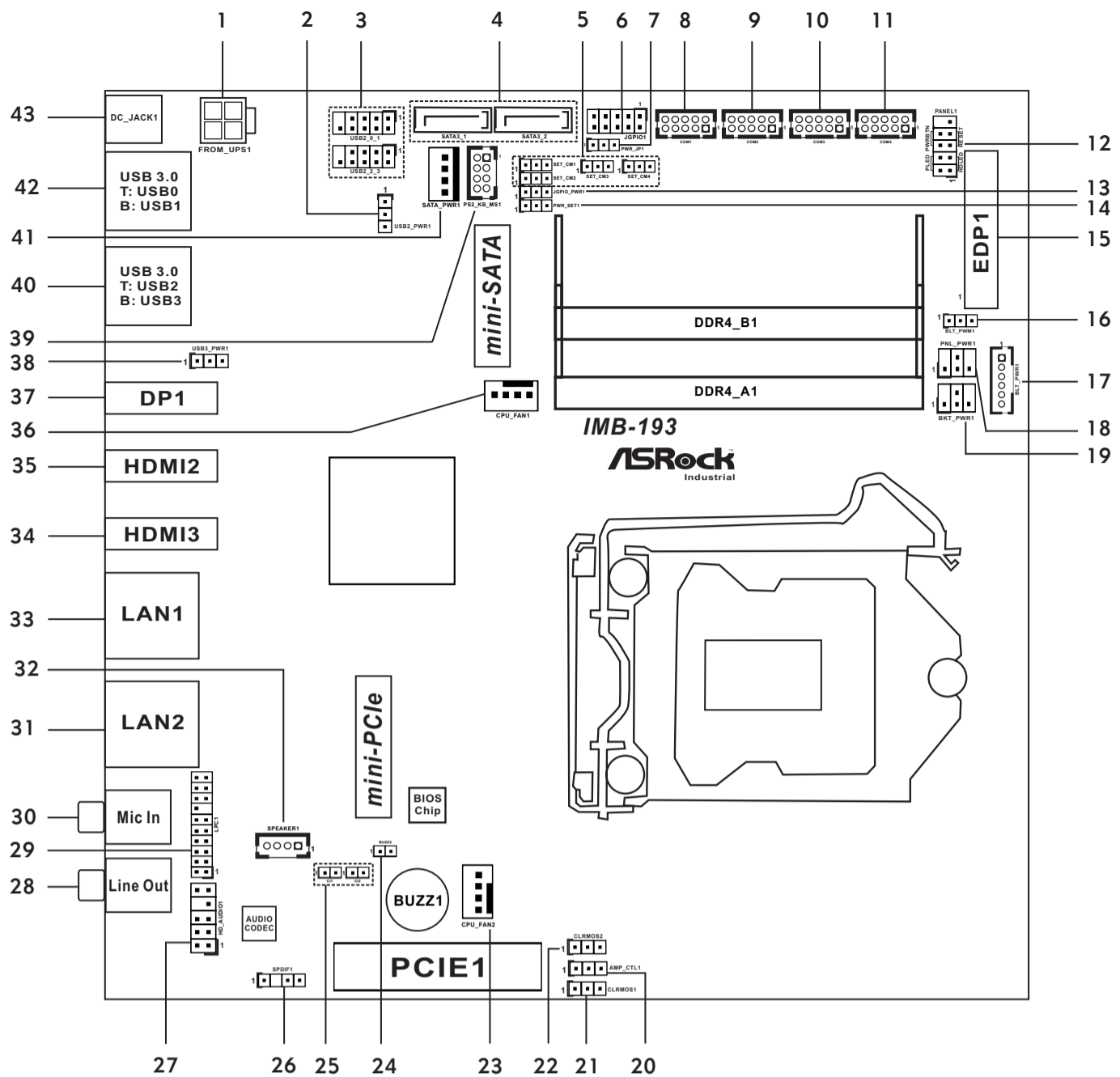
16 : Backlight Control Level (BLT_PWM1) (CON_LBKLT_CTL)
1-2: +3.3V
2-3: +5V



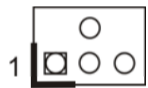
17 : Backlight Power Connector (BLT_PWR1)



PIN	Signal Name
1	GND
2	GND
3	BL CTL
4	BL EN
5	LCD_BLT_VCC
6	LCD_BLT_VCC

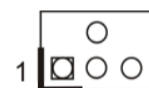


18 : Panel Power Select (PNL_PWR1)



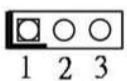
PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
2	NC	4	+12V	6	NC
1	+3.3V	3	LCD_VCC	5	+5V

19 : Backlight Power Select (BKT_PWR1)



PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
2	NC	4	+VIN	6	NC
1	+5V	3	LCD_BLT_VCC	5	+12V

20 : Speaker Control



PIN	Signal Name
1	GPIO_VOL_DW
2	GND
3	GPIO_VOL_UP

Clear CMOS Headers

21 : CLRMOS1

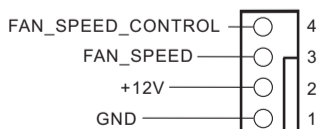
1-2: Normal
2-3: Clear CMOS

22 : CLRMOS2

1-2: Normal
2-3: Clear CMOS

* If you short pin2 and pin3 on CLRMOS2 and power off the DC +19V power supply, you will clear the CMOS.

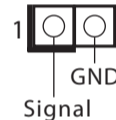
23 : 4-Pin CPU FAN Connector (+12V)



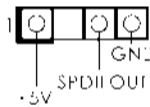
24 : Buzzer



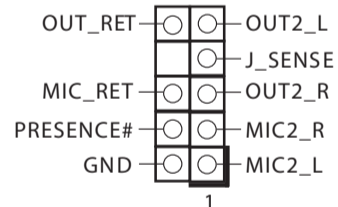
25 : Chassis Intrusion Headers (C11, C12)
Close: Active Case Open
Open: Normal



26 : HDMI_SPDIF Header



27 : Front Panel Audio Header

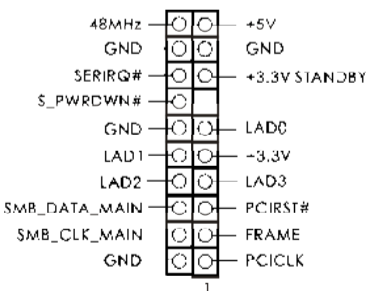


Audio Jacks

28 : Green - Line Out

30 : Pink - Mic In

29 : LPC Header



RJ45 LAN Ports

31 : LAN2

33 : LAN1

32 : 3W Audio AMP Output Wafer



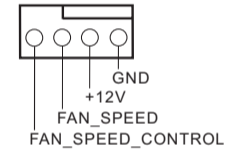
PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
4	SPK R-	3	SPK R+	2	SPK L+	1	SPK L-

HDMI Ports

34 : HDMI3

35 : HDMI2

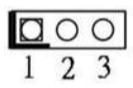
36 : 4-Pin CPU FAN Connector (+12V)



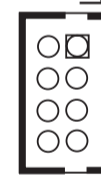
37 : DisplayPort (DP1)

38 : USB3.0 Switch Header

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



39 : PS2_KB_MS1



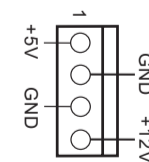
PIN	Signal Name
1	KBCLK
2	+5V
3	KBDATA
4	+5V
5	MSDATA
6	GND
7	MSCLK
8	GND

USB3.0 Ports

40 : USB3_2_3

42 : USB3_0_1

41 : SATA Power Output Connector



43 : DC Jack (+19V only)