

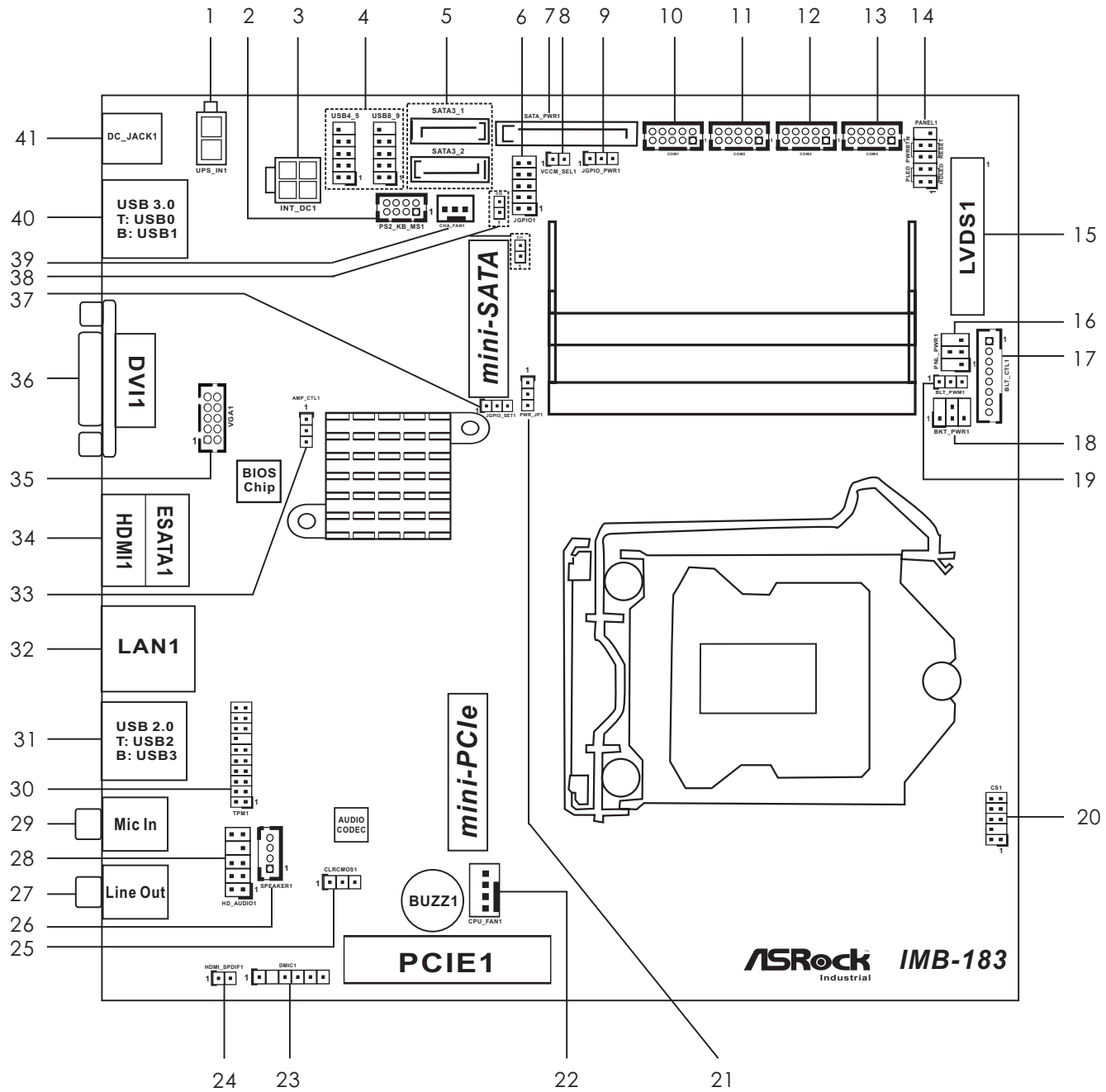


P/N: 15G06M008000AK V1.0

ASRock Jumpers and headers setting guide

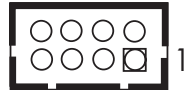
IMB-183

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 : 2-pin UPS Module Power Input Connector

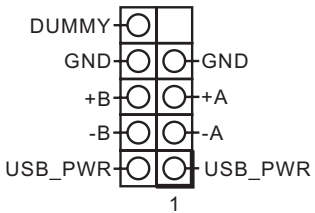
2 : PS2 Keyboard/Mouse Header



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

3 : 4-pin ATX Power Input/Output Connector

4 : USB2.0 Headers (USB4_5, USB8_9)

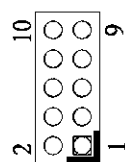


5 : SATA3 Connectors (SATA3_1, SATA3_2)



6 : Digital Input / Output Pin Header

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



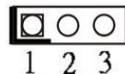
7 : SATA Power Output Connector

8 : VCCM Power Selection
Short: +1.36V
Open: Auto



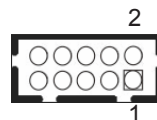
9 : Digital Input / Output Power Selection (JGPIO_PWR) (JGPIO_PWR1)

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



COM1, 2, 3, 4 Headers

10 : COM1
11 : COM2
12 : COM3
13 : COM4



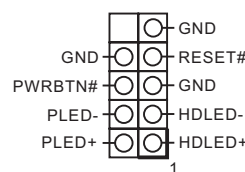
PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
10	+12V	8	CCTS#	6	DDSR#	4	DDTR#	2	RRXD
9	+5V	7	RRTS#	5	GND	3	TTXD	1	DDCD#

* 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 page 31 of our user manual for details.

COM1 Port Pin Definition

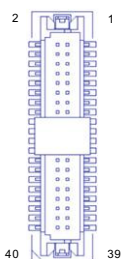
PIN	RS232	RS422	RS485
1	DCD	TX-	RTX-
2	RXD	RX+	N/A
3	TXD	TX+	RTX+
4	DTR	RX-	N/A
5	GND	GND	GND
6	DSR	N/A	N/A
7	RTS	N/A	N/A
8	CTS	N/A	N/A
9	+5V	+5V	+5V
10	+12V	+12V	+12V

14 : System Panel Header



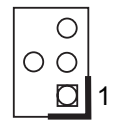
15 : LVDS Panel Connector

PIN	Signal Name	PIN	Signal Name
2	LCD_VCC	1	LCD_VCC
4	LDDC_CLK	3	+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_LBKL_EN	35	GND
38	LCD_BLT_VCC	37	CON_LBKL_CTL
40	LCD_BLT_VCC	39	LCD_BLT_VCC



16 : Panel Power Selection (PNL_PWR1)

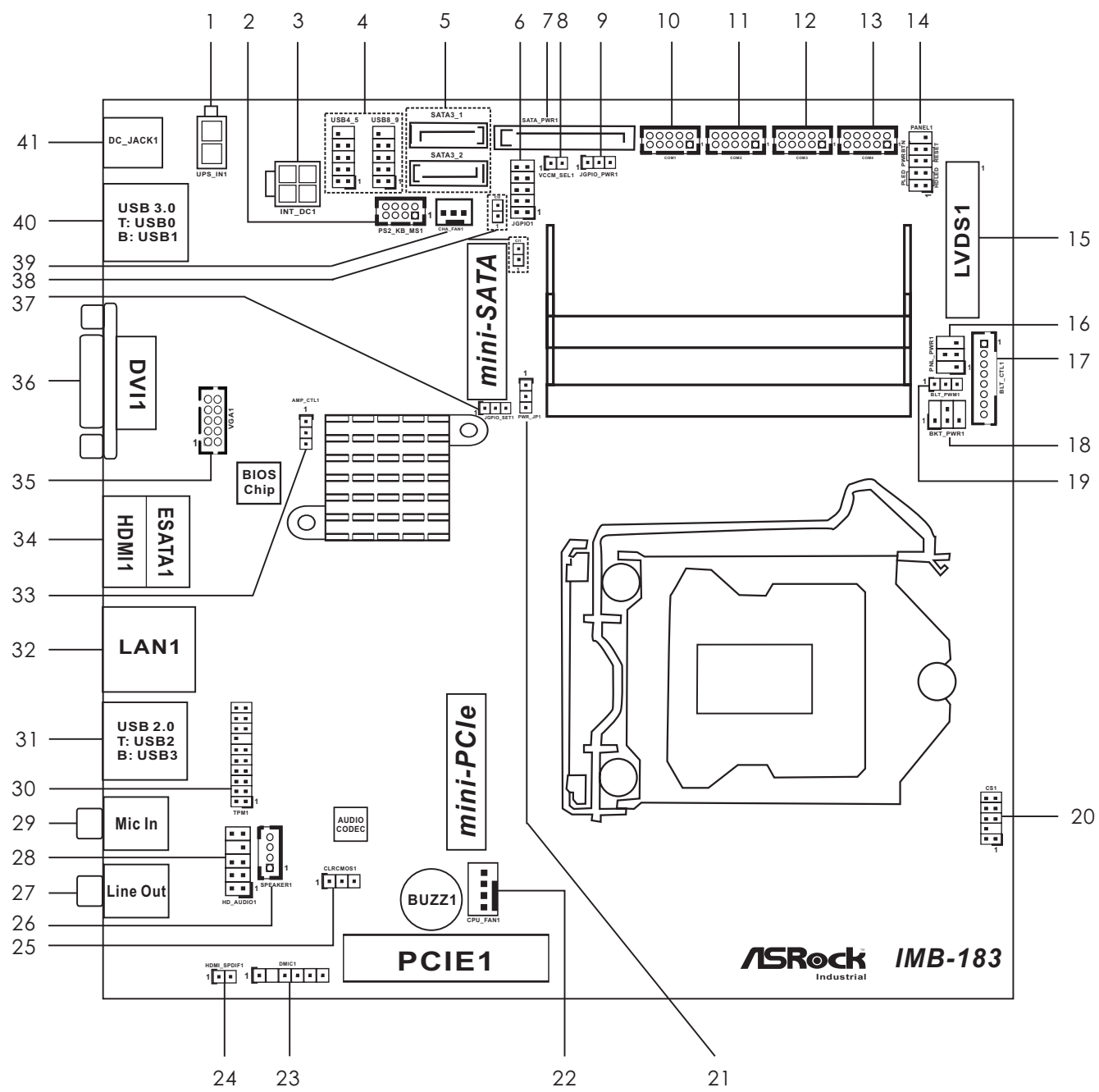
PIN	Signal Name	PIN	Signal Name
6	NC	5	+5V
4	+12V	3	LCD_VCC
2	NC	1	+3.3V



17 : BLT_CTL1

PIN	Signal Name
1	CON_LBKL_EN
2	CON_LBKL_CTL
3	LCD_BLT_VCC
4	LCD_BLT_VCC
5	GND
6	GND
7	GPIO_BLT_UP
8	GPIO_BLT_DW





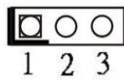
18 : Backlight Power Selection (BKT_PWR1)



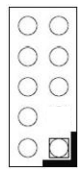
PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
2	NC	4	+VIN	6	NC
1	+5V	3	LCD_BLT_VCC	5	+12V

19 : Backlight Control Level (BLT_PWM1) (CON_LBKLT_CTL)

1-2: +3.3V
2-3: +5V



20 : Customer Solution Header (CS1)



PIN	Signal Name	PIN	Signal Name
10	GND	9	+5V STANDBY
8	CIRRX	7	PWRBT#
6	SMB_DATA_RESUME	5	+3.3V STANDBY
4	SMB_CLK_RESUME	3	NC
2	GND	1	WATCH DOG TIMER

21 : ATX/AT Mode Selection

1-2: AT mode
2-3: ATX mode



22 : 4-Pin CPU FAN Connector (+12V)



23 : DMIC Header



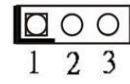
PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
1	+5V	2	NC	3	DMIC_CLK	4	GND	5	DMIC_DATA	6	+3.3V

24 : HDMI_SPDIF Header



25 : Clear CMOS Header

1-2: Normal
2-3: Clear CMOS



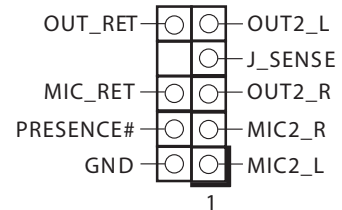
26 : 3W Audio AMP Output Wafer

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



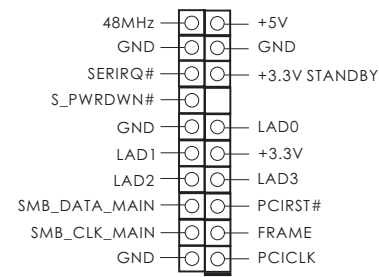
27 : Audio Jack
Green - Line Out

28 : Front Panel Audio Header



29 : Audio Jack
Pink - Mic In

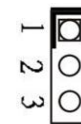
30 : TPM Header



31 : USB2.0 Ports (USB23)

32 : RJ45 LAN Port 1

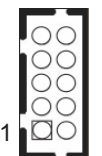
33 : Speaker Control



PIN	Signal Name
1	GPIO_VOL_DW
2	GND
3	GPIO_VOL_UP

34 : Top : eSATA Port (ESATA1)
Bottom : HDMI Port (HDMI1)

35 : VGA1

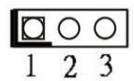


PIN	Signal Name	PIN	Signal Name
9	DDC_CLK	10	DDC_DATA
7	HSYNC	8	VSYNC
5	BLUE	6	GND
3	GREEN	4	GND
1	RED	2	GND

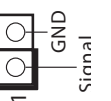
36 : DVI Port (DVI1)

37 : Digital Input / Output Default Value Setting (JGPIO_SET1)

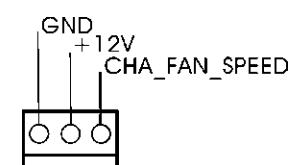
1-2 : Pull-High (+3V)
2-3 : Pull-Low



38 : Chassis Intrusion Headers (CI1, CI2)



39 : 3-Pin Chassis FAN Connector (+12V)



40 : USB3.0 Ports (USB01)

41 : DC Jack1