

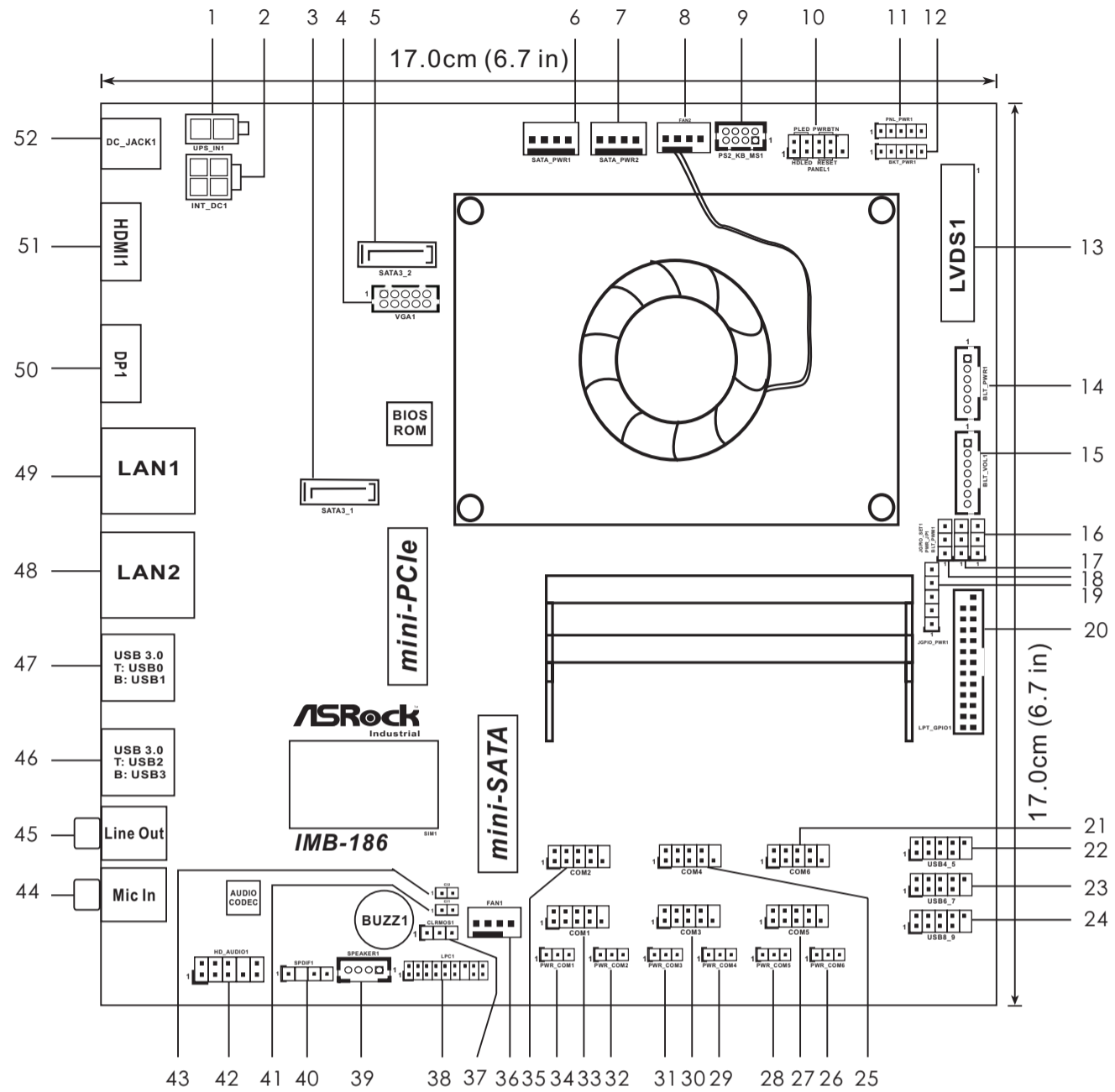


P/N: 15G06M01800AK V1.0

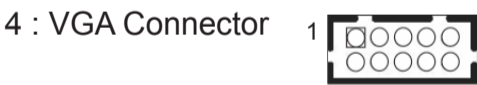
ASRock Jumpers and headers setting guide

IMB-186

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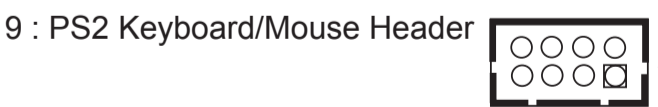
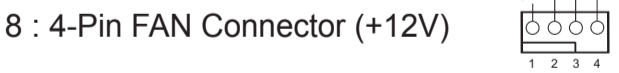


- 1 : 2-pin UPS Module Power Input Connector
- 2 : 4-pin ATX Power Input/Output Connector



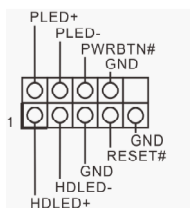
PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
1	RED	3	GREEN	5	BLUE	7	HSYNC	9	DDC_CLK
2	GND	4	GND	6	GND	8	VSYSNC	10	DDC_DATA

- SATA Power Output Connectors
- 6 : SATA_PWR1
 - 7 : SATA_PWR2



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

- 10 : System Panel Header



- 11 : Panel Power Selection (LCD_VCC) (PNL_PWR1)
- 1-2: LCD_VCC : +3V
2-3: LCD_VCC : +5V
4-5: LCD_VCC : +12V
-

- 12 : Backlight Power Selection 1 (LCD_BLT_VCC) (BKT_PWR1)
- 1-2: LCD_BLT_VCC : +5V
2-3: LCD_BLT_VCC : +12V
4-5: LCD_BLT_VCC : DC_IN
-

- 13 : 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_LBKLT_EN	35	GND
38	LCD_BLT_VCC	37	CON_LBKLT_CTL
40	LCD_BLT_VCC	39	LCD_BLT_VCC

- 14 : Backlight Power Connector (BLT_PWR1)

PIN	Signal Name
1	GND
2	GND
3	CON_LBKLT_CTL
4	CON_LBKLT_EN
5	LCD_BLT_VCC
6	LCD_BLT_VCC

- 15 : Backlight Volume Control (BLT_VOL1)

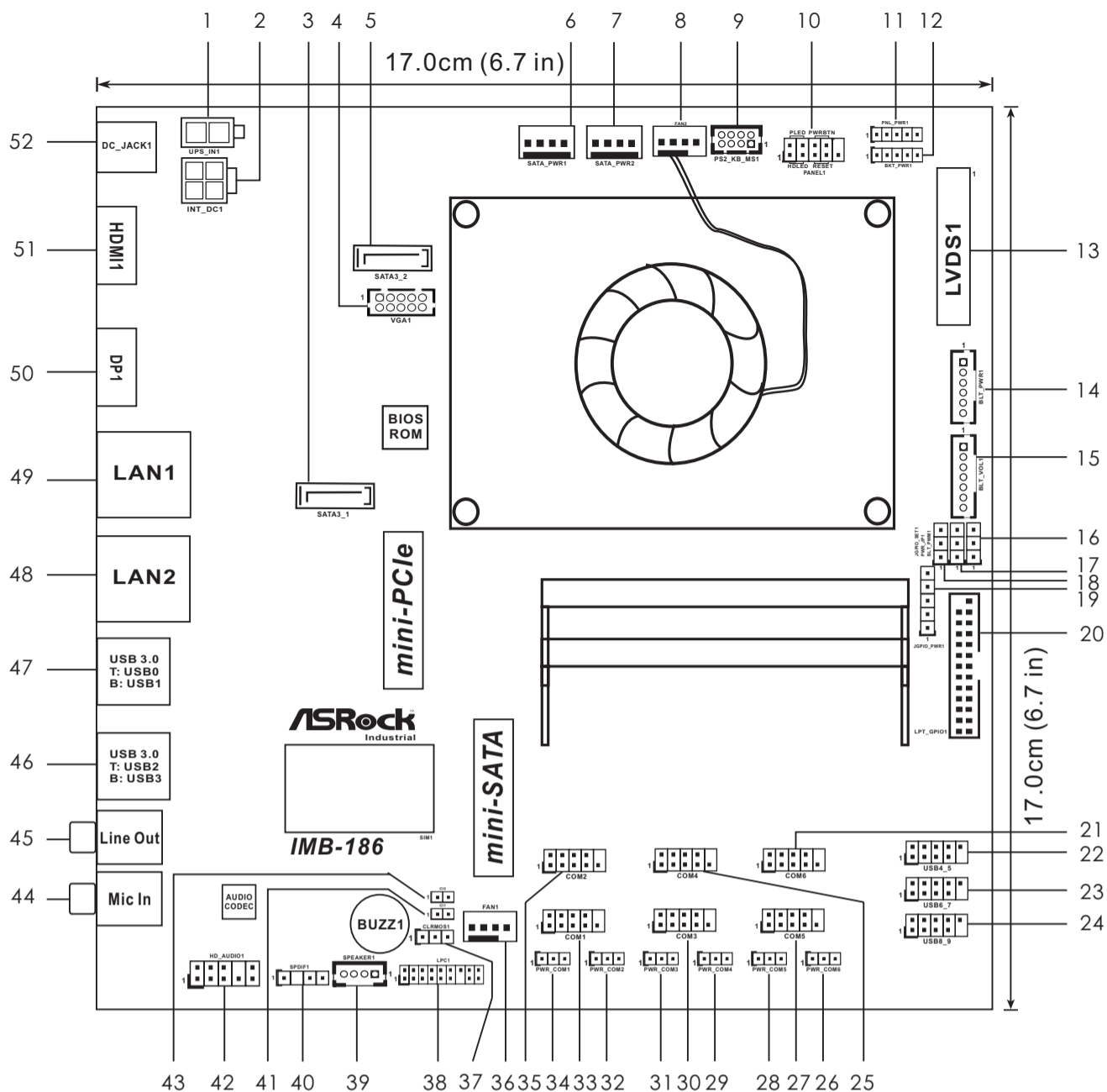
PIN	Signal Name
1	GPIO_VOL_UP
2	GPIO_VOL_DW
3	PWRDN
4	BLT_UP
5	BLT_DW
6	GND
7	GND

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

- 17 : ATX/AT Mode Selection (PWR_JP1)
- 1-2 : AT Mode
2-3 : ATX Mode
-

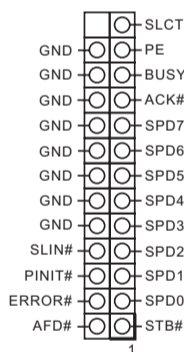
- 18 : Digital Input / Output Default Value Setting (JGPIO_SET1)
- 1-2 : Pull-High
2-3 : Pull-Low
-

- 19 : Digital Input / Output Power Select (JGPIO_PWR) (JGPIO_PWR1)
- 1-2 : +12V
2-3 : +5V
3-4 : +5V
4-5 : GND
-



20 : Printer Port / GPIO Header (LPT_GPIO1)

Printer Port:



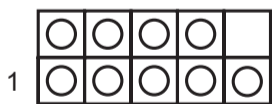
GPIO:

PIN	Signal Name	PIN	Signal Name
26	NC	25	NA
24	GND	23	SIO_GP30
22	GND	21	SIO_GP31
20	GND	19	SIO_GP32
18	GND	17	SIO_GP33
16	GND	15	SIO_GP34
14	GND	13	SIO_GP35
12	JGPIOPWR	11	SIO_GP36
10	JGPIOPWR	9	SIO_GP37
8	SIO_GP43	7	SIO_GP40
6	SIO_GP44	5	SIO_GP41
4	SIO_GP45	3	SIO_GP42
2	SIO_GP46	1	SIO_GP47

* If you want to use the printer port function, please short pin4 and pin5 on Digital Input / Output Power Select (JGPIO_PWR1).

COM1, 2, 3, 4, 5, 6 Headers

- 21 : COM6
- 25 : COM4
- 27 : COM5
- 30 : COM3
- 33 : COM1
- 35 : COM2



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

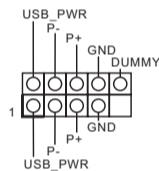
* This motherboard supports RS232/422/485 on COM1, 2 ports. Please refer to below table for the pin definition. In addition, COM1, 2 port (RS232/422/485) can be adjusted in BIOS setup utility > Advanced Screen > Super IO Configuration. You may refer to page 32 of our user manual for details.

COM1, 2 Ports 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	PWR	PWR	PWR

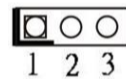
USB2.0 Headers

- 22 : USB4_5
- 23 : USB6_7
- 24 : USB8_9



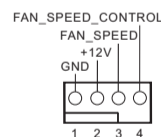
COM Port Pin9 PWR Setting Jumpers

- 26 : PWR_COM6 (For COM Port6)
- 28 : PWR_COM5 (For COM Port5)
- 29 : PWR_COM4 (For COM Port4)
- 31 : PWR_COM3 (For COM Port3)
- 32 : PWR_COM2 (For COM Port2)
- 34 : PWR_COM1 (For COM Port1)



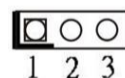
- 1-2 : +5V
- 2-3 : +12V

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

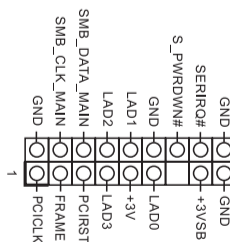


37 : Clear CMOS Header

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



38 : LPC Header

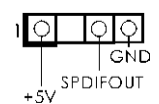


39 : 3W Audio AMP Output Wafer



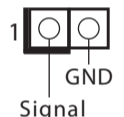
PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
4	SPK R-	3	SPK R+	2	SPK L+	1	SPK L-

40 : SPDIF Header



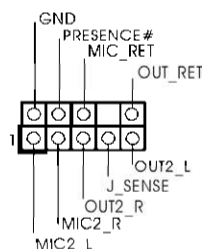
Chassis Intrusion Headers

- 41 : CI1
Close : Active case open
Open : Normal
- 43 : CI2
Close : Normal
Open : Active case open



42 : Front Panel Audio Header

- 44 : Pink - Mic In
- 45 : Green - Line Out



USB3.0 Ports

- 46 : USB23
- 47 : USB01

RJ45 LAN Ports

- 48 : LAN2 (Realtek RTL8111G)
- 49 : LAN1 (Intel® I218V / I218LM)

- 50 : DisplayPort
- 51 : HDMI Port

- 52 : DC Jack