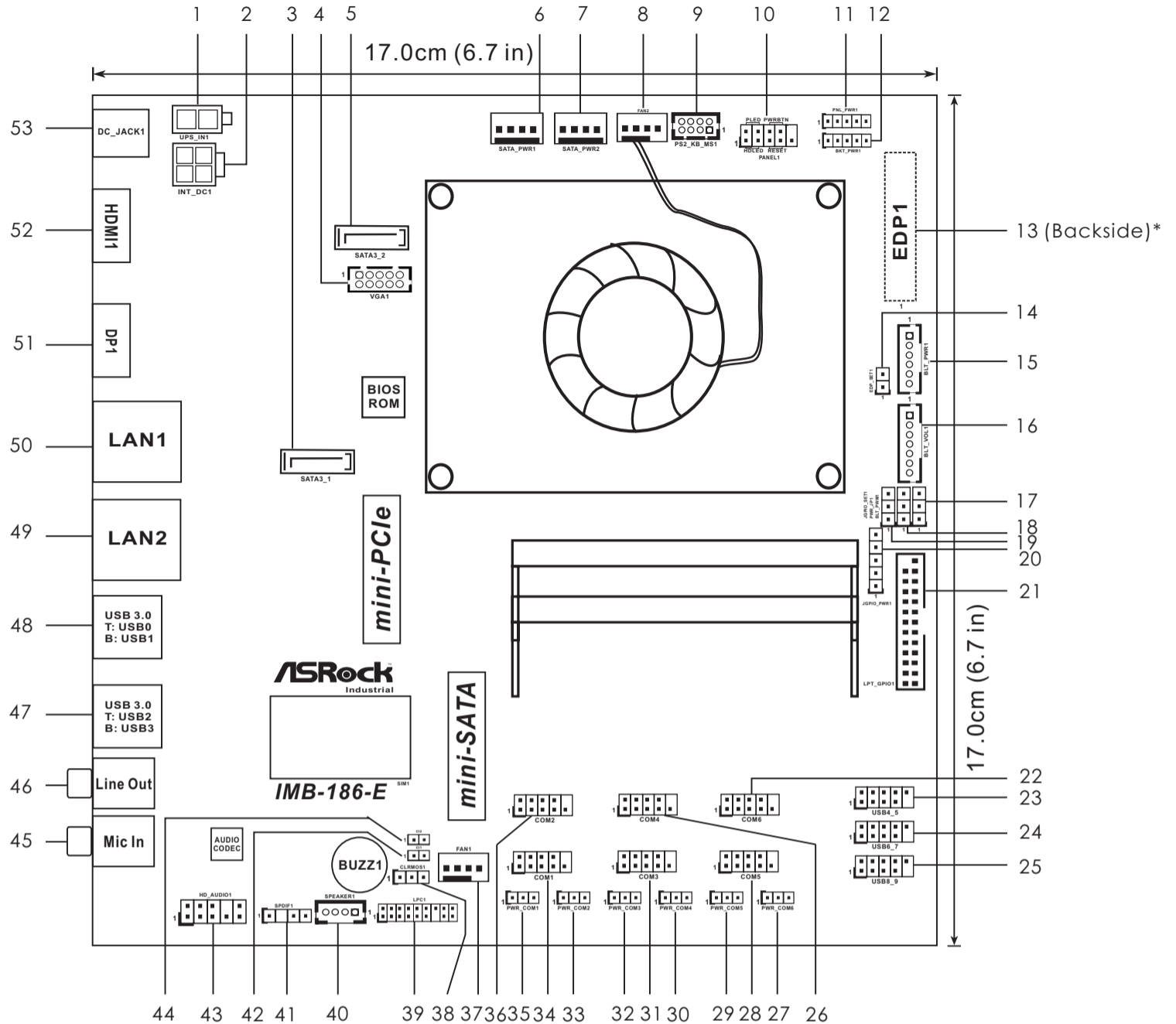


ASRock® Jumpers and headers setting guide

IMB-186-E



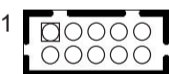
1 : 2-pin UPS Module Power Input Connector
 2 : 4-pin ATX Power Input/Output Connector

SATA3 Connectors

3 : SATA3_1
 5 : SATA3_2



4 : VGA Connector

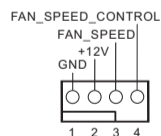


PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
1	RED	3	GREEN	5	BLUE	7	HSYNC	9	DDC_CLK
2	GND	4	GND	6	GND	8	VSYS	10	DDC_DATA

SATA Power Output Connectors

6 : SATA_PWR1
 7 : SATA_PWR2

8 : 4-Pin FAN Connector (+12V)

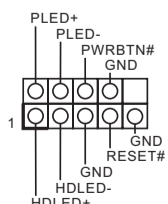


9 : PS2 Keyboard/Mouse Header



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* : eDP Connector
 (on the Backside of PCB)

PIN	Signal Name
40	NA
39	LCD_BLT_VCC
38	LCD_BLT_VCC
37	LCD_BLT_VCC
36	LCD_BLT_VCC
35	NA
34	NA
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



14 : EDP_SET1 Selection
 Short : 2 LANE
 Open : 4 LANE



15 : 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



16 : Backlight Volume Control (BLT_VOL1)

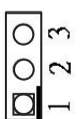
PIN	Signal Name
1	GPIO_VOL_UP
2	GPIO_VOL_DW
3	PWRDN
4	BLT_UP
5	BLT_DW
6	GND
7	GND



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

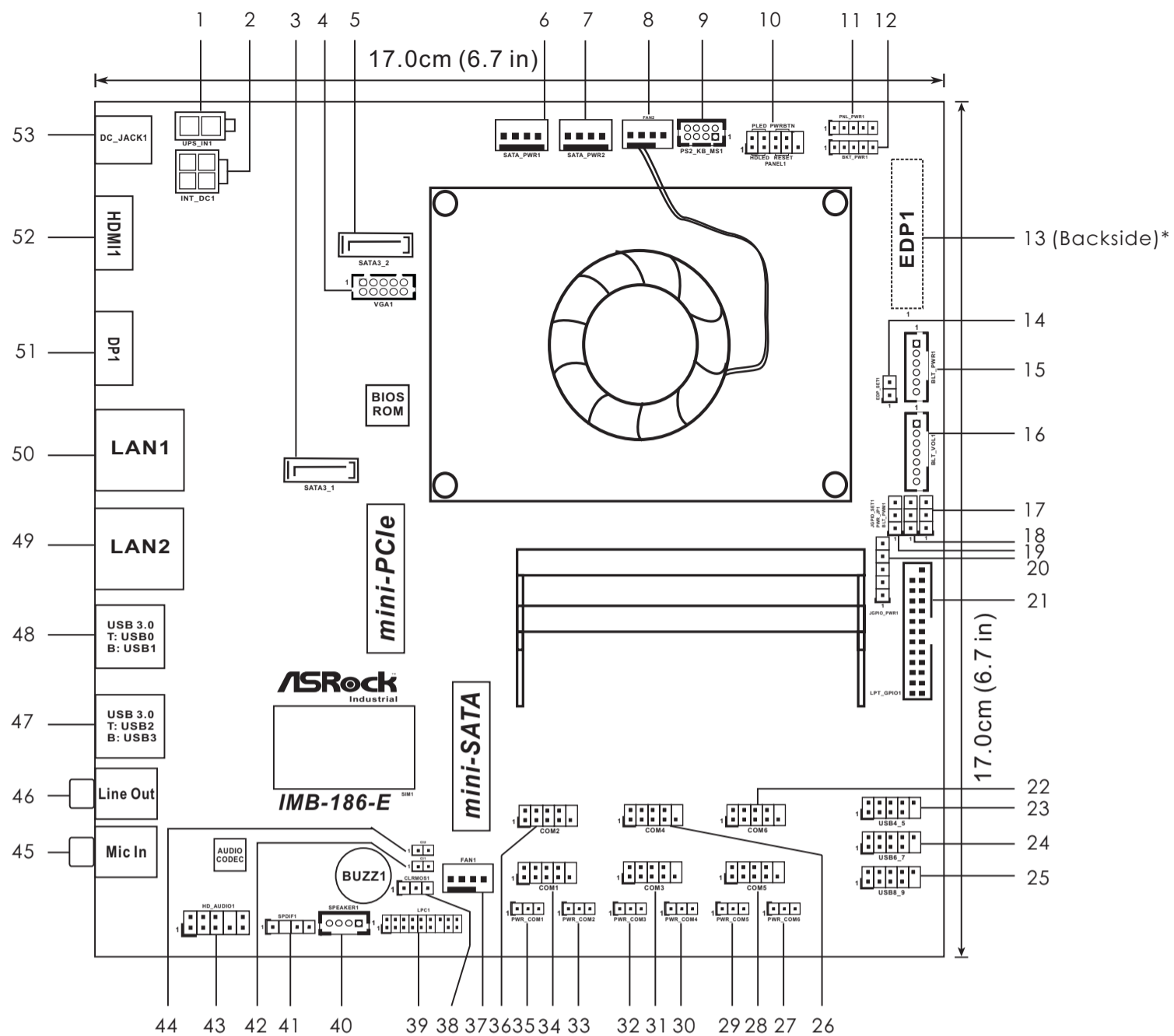


18 : ATX/AT Mode Selection (PWR_JP1)
 1-2 : AT Mode
 2-3 : ATX Mode



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





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



* 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

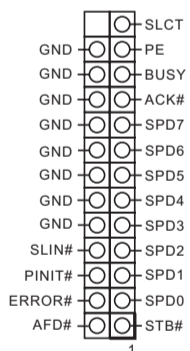
40 : 3W Audio AMP Output Wafer



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

21 : Printer Port / GPIO Header (LPT_GPIO1)

Printer Port:



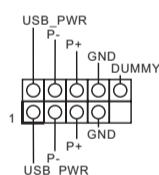
GPIO:

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	JGPIO_PWR	11	SIO_GP36
10	JGPIO_PWR	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).

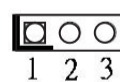
USB2.0 Headers

23 : USB4_5
 24 : USB6_7
 25 : USB8_9

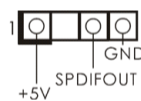


COM Port Pin9 PWR Setting Jumpers

27 : PWR_COM6 (For COM Port6)
 29 : PWR_COM5 (For COM Port5)
 30 : PWR_COM4 (For COM Port4)
 32 : PWR_COM3 (For COM Port3)
 33 : PWR_COM2 (For COM Port2)
 35 : PWR_COM1 (For COM Port1)

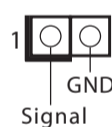


41 : SPDIF Header



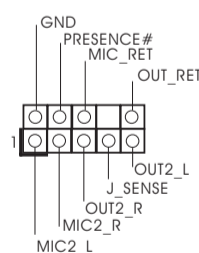
Chassis Intrusion Headers

42 : CI1
 Close : Active case open
 Open : Normal
 44 : CI2
 Close : Normal
 Open : Active case open



43 : Front Panel Audio Header

Audio Jacks
 45 : Pink - Mic In
 46 : Green - Line Out



USB3.0 Ports

47 : USB23
 48 : USB01

RJ45 LAN Ports

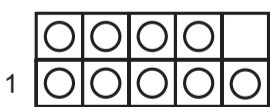
49 : LAN2 (Realtek RTL8111G)
 50 : LAN1 (Intel® I218V / I218LM)

51 : DisplayPort
 52 : HDMI Port

53 : DC Jack

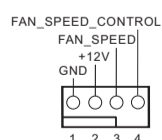
COM1, 2, 3, 4, 5, 6 Headers

22 : COM6
 26 : COM4
 28 : COM5
 31 : COM3
 34 : COM1
 36 : COM2



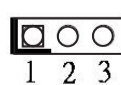
1-2 : +5V
 2-3 : +12V

37 : 4-Pin FAN Connector (+12V)



38 : Clear CMOS Header

1-2 : Normal
 2-3 : Clear CMOS



39 : LPC Header

