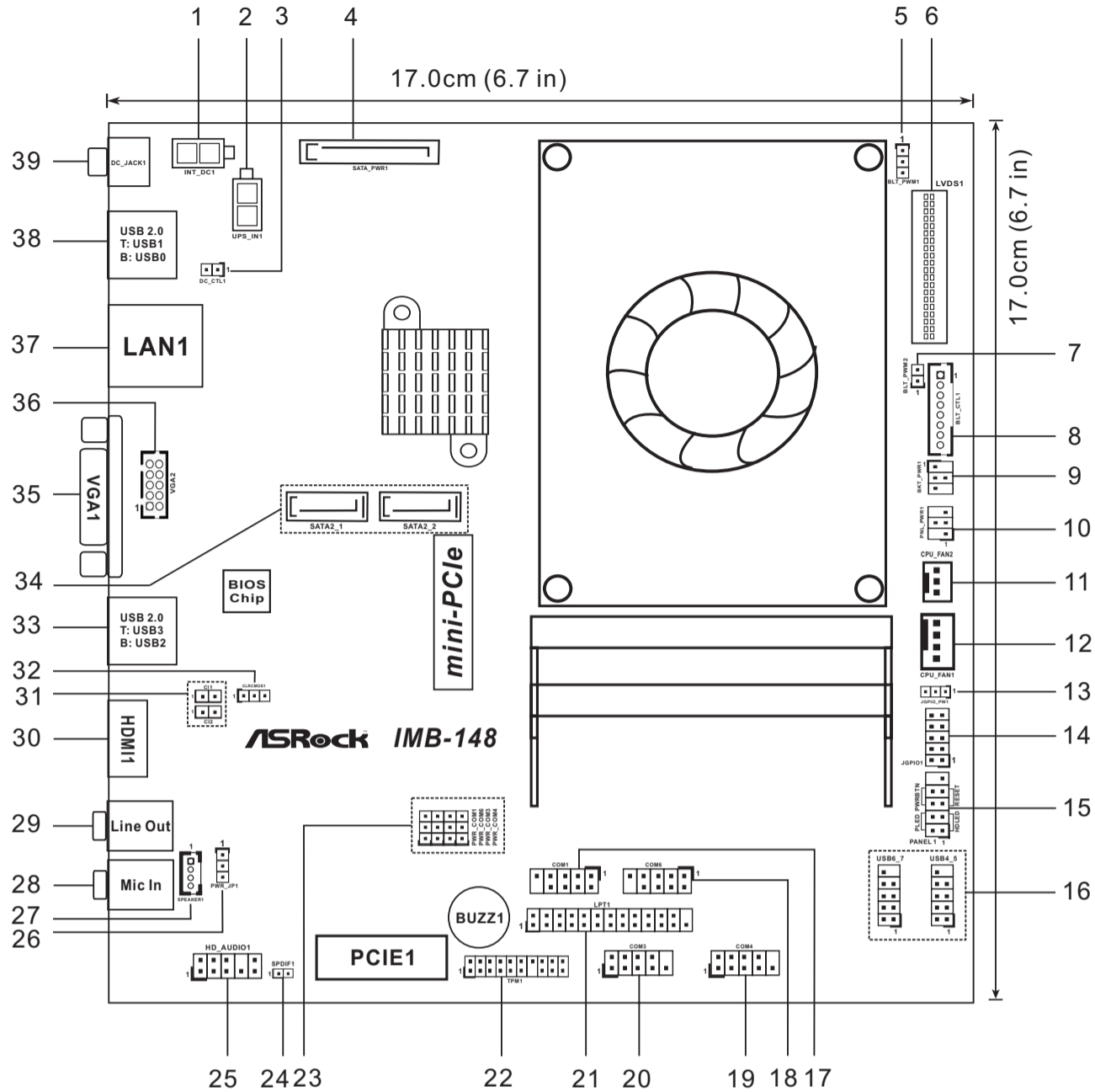




ASRock Jumpers and headers setting guide

IMB-148

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1 : 2-pin ATX Power Input/Output Connector

2 : 2-pin UPS Module Power Input Connector

3 : Input Power Setting (DC_CTL1) 1
Power Input Voltage > +12V: Short
Power Input Voltage ≤ +12V: Open

4 : SATA Power Output Connector

5 : Backlight Control Level (VBIOS) (BLT_PWM1) (CON_LBKLCT_CTL) 1 2 3
1-2: +3V
2-3: +5V

6 : LVDS Panel Connector

PIN	Signal Name	PIN	Signal Name
2	LCD_VCC	1	LCD_VCC
4	LDDC_CLK	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_LBKLCT_EN	35	GND
38	LCD_BLT_VCC	37	CON_LBKLCT_CTL
40	LCD_BLT_VCC	39	LCD_BLT_VCC

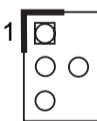
7 : Backlight Control (PWM) (BLT_PWM2) 1-2: PWM Control (in BIOS)

8 : Panel Brightness Control (BLT_CTL1)



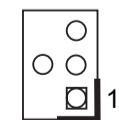
PIN	Signal Name
1	CON_LBKLCT_EN
2	CON_LBKLCT_CTL
3	LCD_BLT_VCC
4	LCD_BLT_VCC
5	GND
6	GND
7	GPIO_BLT_UP
8	GPIO_BLT_DW

9 : Backlight Power Selection (BKT_PWR1)



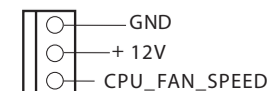
PIN	Signal Name
1	+5V
2	NC
3	LCD_BLT_VCC
4	+Vin
5	+12V
6	NC

10 : Panel Power Selection (PNL_PWR1)



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

11 : 3-Pin CPU FAN Connector (+12V)



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

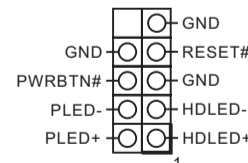


13 : Digital Input / Output Power Selection 1-2: +12V
2-3: +5V

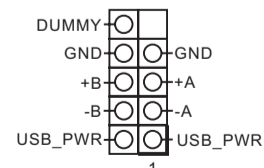
14 : Digital Input / Output Pin Header

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

15 : System Panel Header

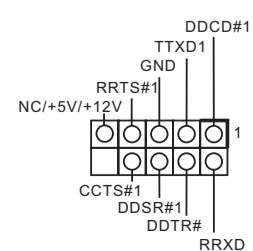


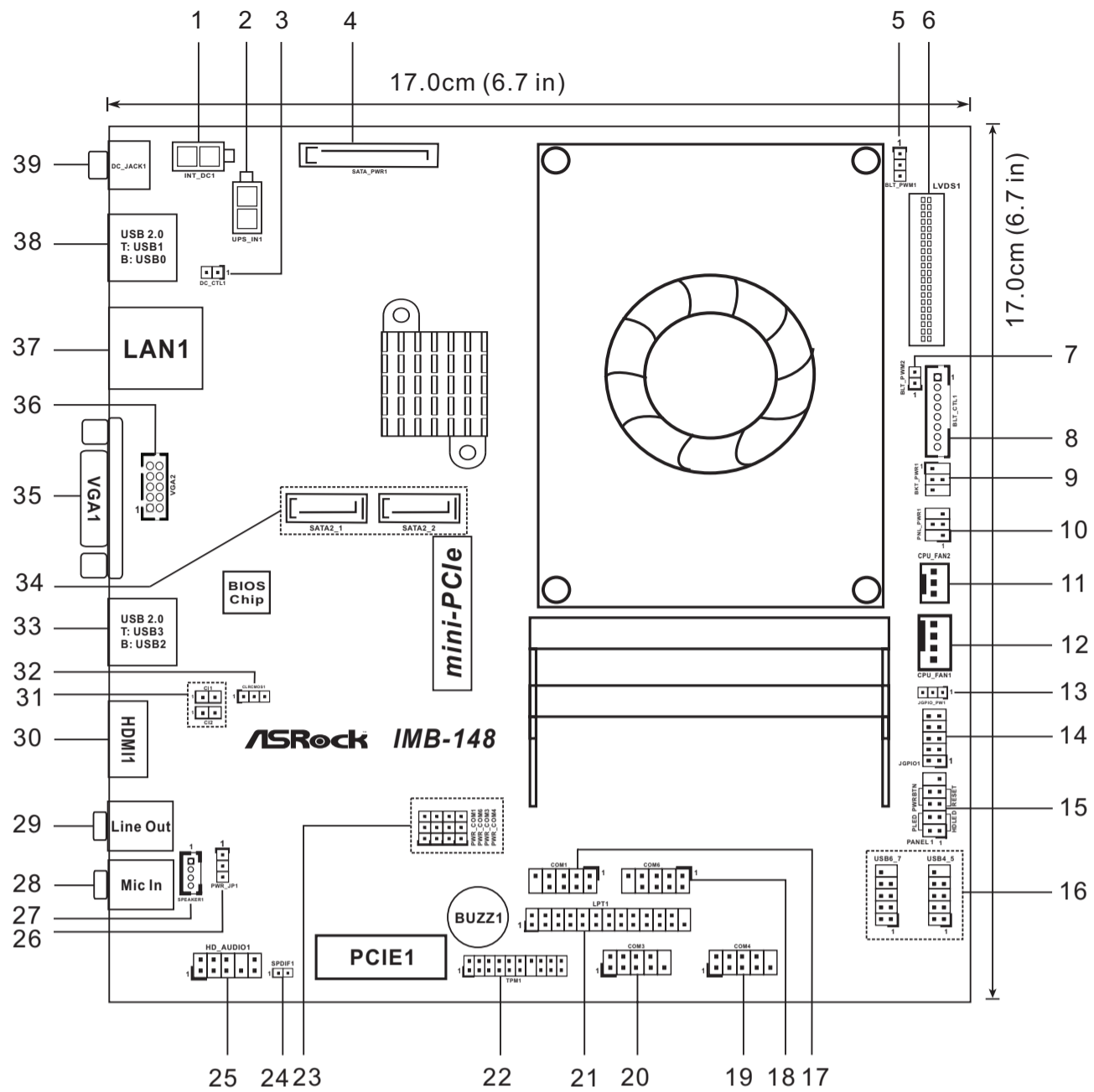
16 : USB2.0 Headers (USB4_5, USB6_7)



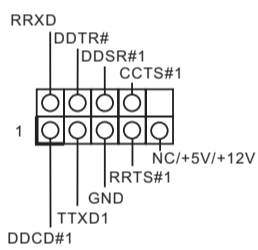
RS-232 Port 4 Pin Headers

17 : COM1
18 : COM6

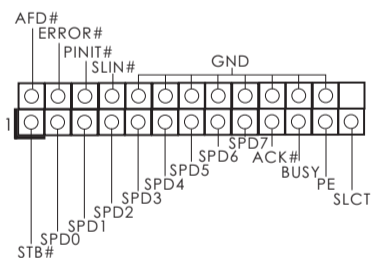




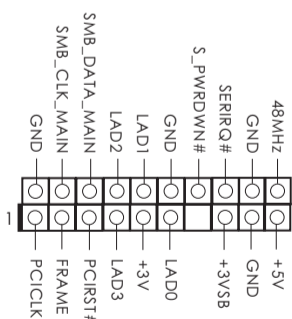
19 : COM4
20 : COM3



21 : Printer Port Header

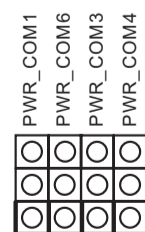


22 : TPM Header



23 : COM Port Power Control
1-2: +5V
2-3: +12V

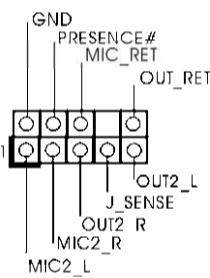
PWR_COM1 (For COM1)
PWR_COM6 (For COM6)
PWR_COM3 (For COM3)
PWR_COM4 (For COM4)



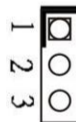
24 : SPDIF Header



25 : Front Panel Audio Header



26 : ATX/AT Mode Selection
1-2: AT mode
2-3: ATX mode



27 : 3W Audio AMP Output Wafer



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

28 : Audio Jack
Pink - Mic In

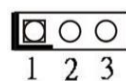
29 : Audio Jack
Green - Line Out

30 : HDMI Port

31 : Chassis Intrusion Headers (C11, C12)

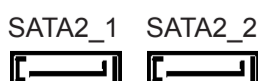


32 : Clear CMOS Header
1-2: Normal
2-3: Clear CMOS



33 : USB2.0 Ports (USB2_3)

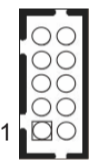
34 : SATA2 Connectors (SATA2_1, SATA2_2)



35 : VGA Port

36 : VGA Connector

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



37 : RJ45 LAN Port 1

38 : USB2.0 Ports (USB0_1)

39 : DC Jack Port