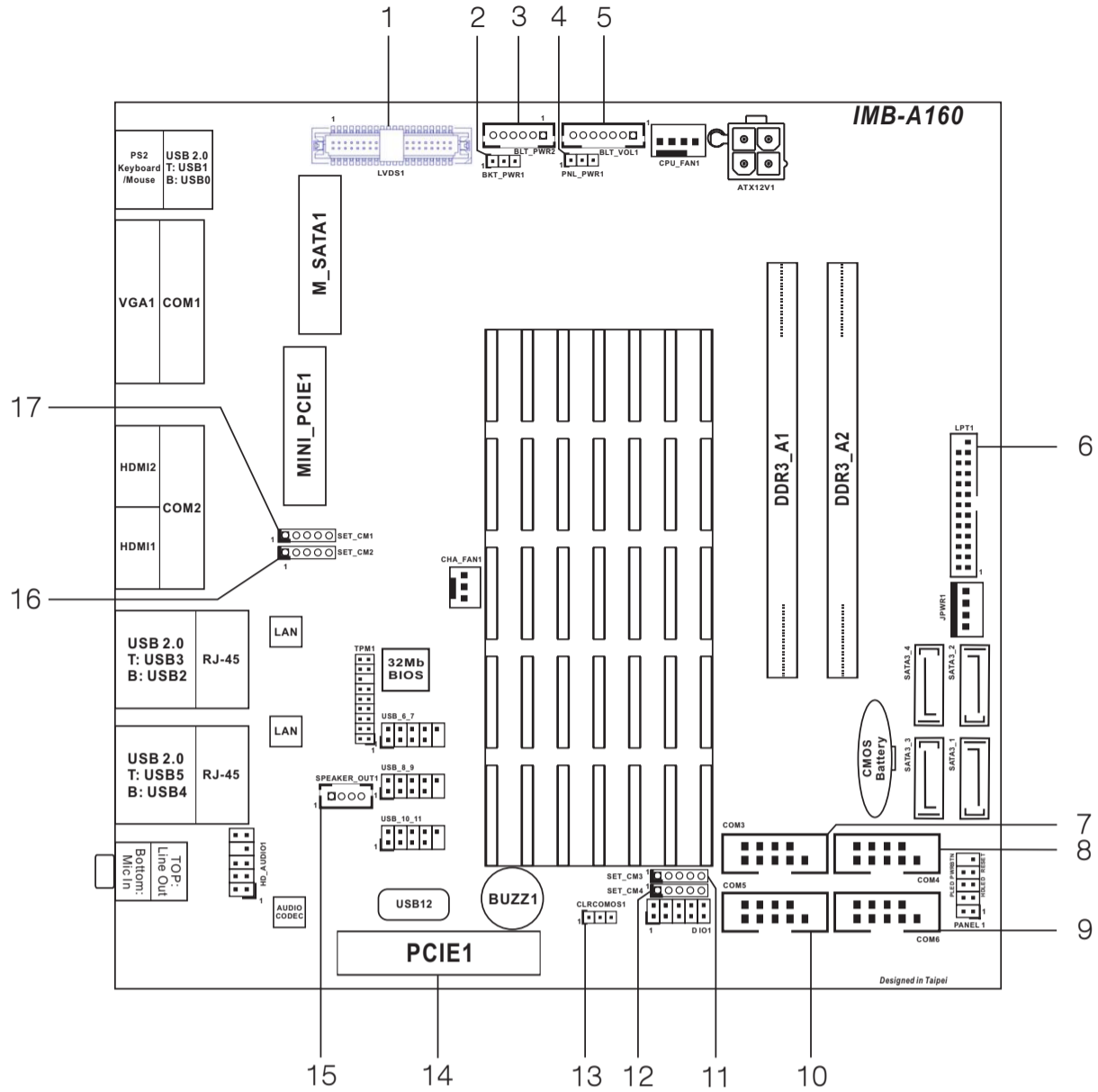




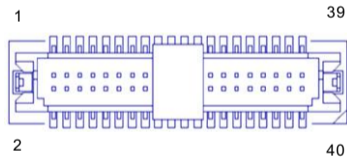
ASRock® Jumpers and headers setting guide

IMB-A160-H IMB-A160

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.



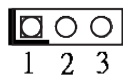
1 : LVDS Panel Connector



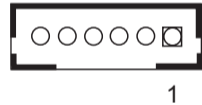
PIN	Signal Name	PIN	Signal Name
2	LVDS_PWR	1	LVDS_PWR
4	DDC CLK	3	+3V
6	LVDS1 D0(-)	5	DDC DATA
8	GND	7	LVDS1 D0(+)
10	LVDS1 D1(+)	9	LVDS1 D1(-)
12	LVDS1 D2(-)	11	GND
14	GND	13	LVDS1 D2(+)
16	LVDS1 D3(+)	15	LVDS1 D3(-)
18	LVDS1 CLK(-)	17	GND
20	GND	19	LVDS1 CLK(+)
22	LVDS2 D0(+)	21	LVDS2 D0(-)
24	LVDS2 D1(-)	23	GND
26	GND	25	LVDS2 D1(+)
28	LVDS2 D2(+)	27	LVDS2 D2(-)
30	LVDS2 D3(-)	29	LVDS PWR EN
32	GND	31	LVDS2 D3(+)
34	LVDS2 CLK(+)	33	LVDS2 CLK(-)
36	B/L ENABLE	35	GND
38	BLT_PWR	37	B/L ADJUST
40	BLT_PWR	39	BLT_PWR

* For IMB-A160 only

2 : Backlight Power Jumper
1-2 : +5V
2-3 : +12V

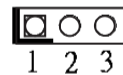


3 : Inverter Power Control Header



PIN	Signal Name
1	GND
2	GND
3	B/L ADJUST
4	B/L ENABLE
5	LCD BLT VCC
6	LCD BLT VCC

4 : Panel Power Jumper
1-2 : +3V
2-3 : +5V

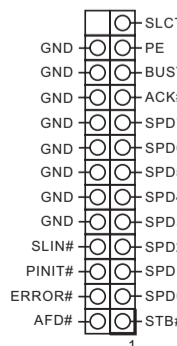


5 : Backlight & Amp Volume Control Header

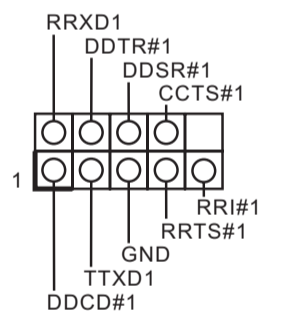


PIN	Signal Name
1	VOL_UP
2	VOL_DW
3	PWRDN
4	BKT_UP
5	BKT_DW
6	GND
7	GND

6 : Printer Port Header



7 : COM Port3
8 : COM Port4
9 : COM Port6
10 : COM Port5

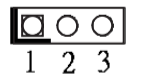


COM Port Signal/Power Setting Jumpers

11 : For COM3
12 : For COM4
16 : For COM2
17 : For COM1
1-2 : +12V
2-3 : +5V
4-5 : RRI#

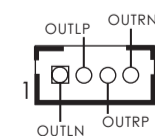


13 : Clear CMOS Header
1-2: Normal
2-3: Clear CMOS

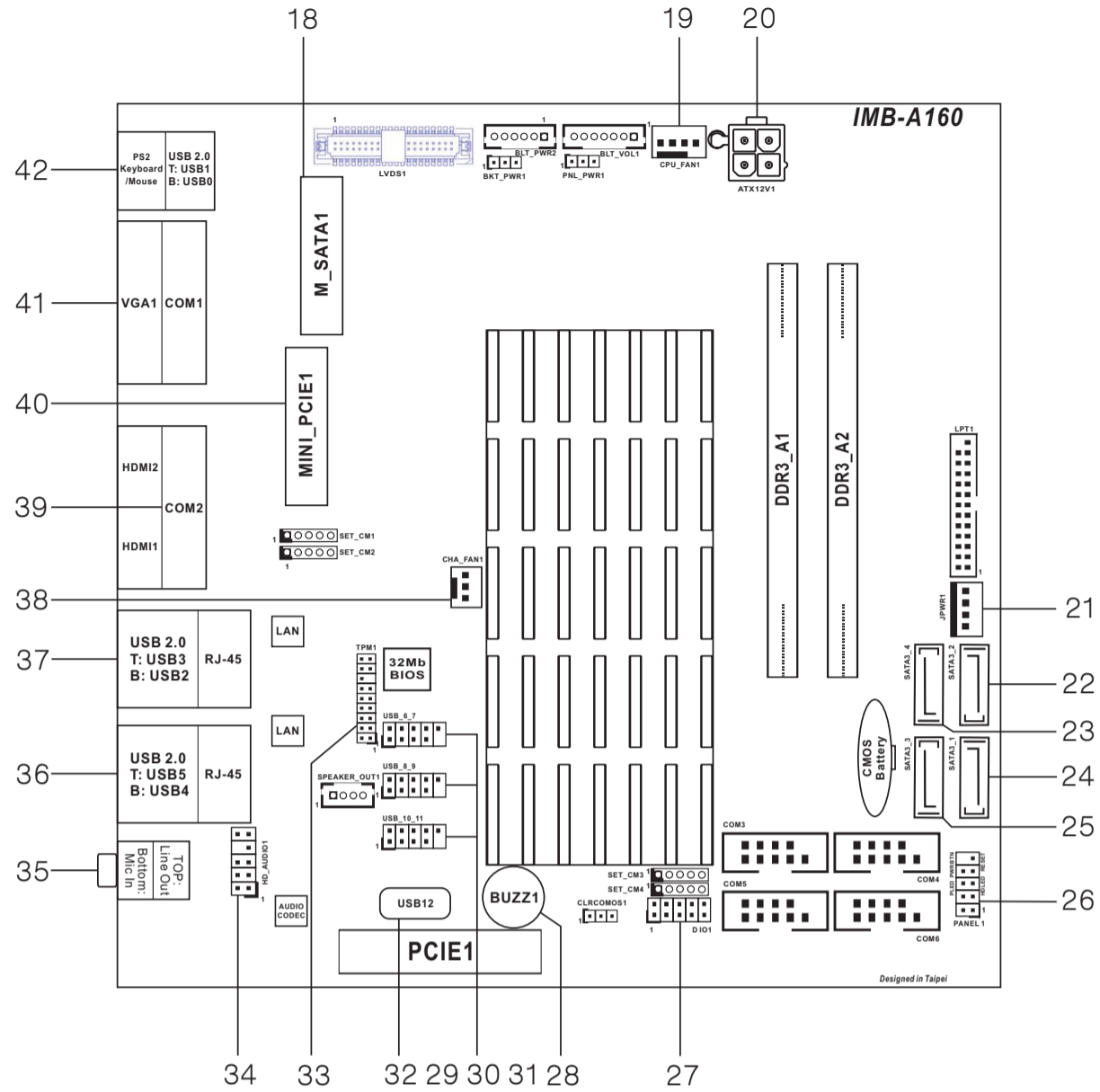


14 : PCIE1 x4 Slot

15 : Audio AMP Output Wafer Header



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



18 : mini SATA Slot

19 : 4-Pin CPU FAN Connector (+12V)

20 : ATX 12V Power Connector



21 : SATA Power Connector



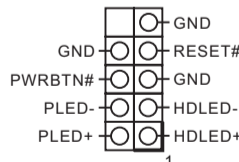
22 : SATA3_2 Connector

23 : SATA3_4 Connector

24 : SATA3_1 Connector

25 : SATA3_3 Connector

26 : System Panel Header

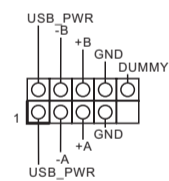


28 : Buzzer

29 : USB2.0 Header (USB_6_7)

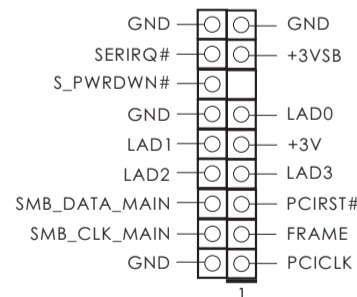
30 : USB2.0 Header (USB_8_9)

31 : USB2.0 Header (USB_10_11)

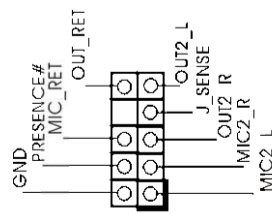


32 : USB2.0 Connector (USB12)

33 : TPM Header

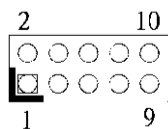


34 : Front Panel Audio Header



27 : Digital Input / Output Pin Header

PIN	Signal Name	PIN	Signal Name
1	SIO_GP04	2	SIO_GP00
3	SIO_GP05	4	SIO_GP01
5	SIO_GP06	6	SIO_GP02
7	SIO_GP07	8	SIO_GP03
9	+5V	10	GND



35 : Audio Jacks

Green - Line Out
Pink - Mic In

36 : Top : RJ45 LAN Port

Bottom : USB2.0 (USB45)

37 : Top : RJ45 LAN Port

Bottom : USB2.0 (USB23)

38 : 3-Pin Chassis FAN Connector (+12V)

39 : Top : COM2*

Bottom left: HDMI2**

Bottom right: HDMI1

* This motherboard supports RS232/422/485 on COM1, 2 ports. Please refer to below table for the pin definition. In addition, COM1, 2 ports (RS232/422/485) can be adjusted in BIOS setup utility > Advanced Screen > Super IO Configuration. You may refer to page 42 of our user manual for details.

COM1, 2 Port Pin Definition

PIN	RS232	RS422	RS485
1	DCD, Data Carrier Detect	TX-	RTX-
2	RXD, Receive Data	RX+	N/A
3	TXD, Transmit Data	TX+	RTX+
4	DTR, Data Terminal Ready	RX-	N/A
5	GND	GND	GND
6	DSR, Data Set Ready	N/A	N/A
7	RTS, Request To Send	N/A	N/A
8	CTS, Clear To Send	N/A	N/A
9	No Power/5V/12V	N/A	N/A

** HDMI2 is for IMB-A160-H only

40 : mini-PCIE Slot

41 : Top : COM1*

Bottom : VGA1

42 : Top : USB2.0 (USB01)

Bottom : PS/2 Keyboard/Mouse