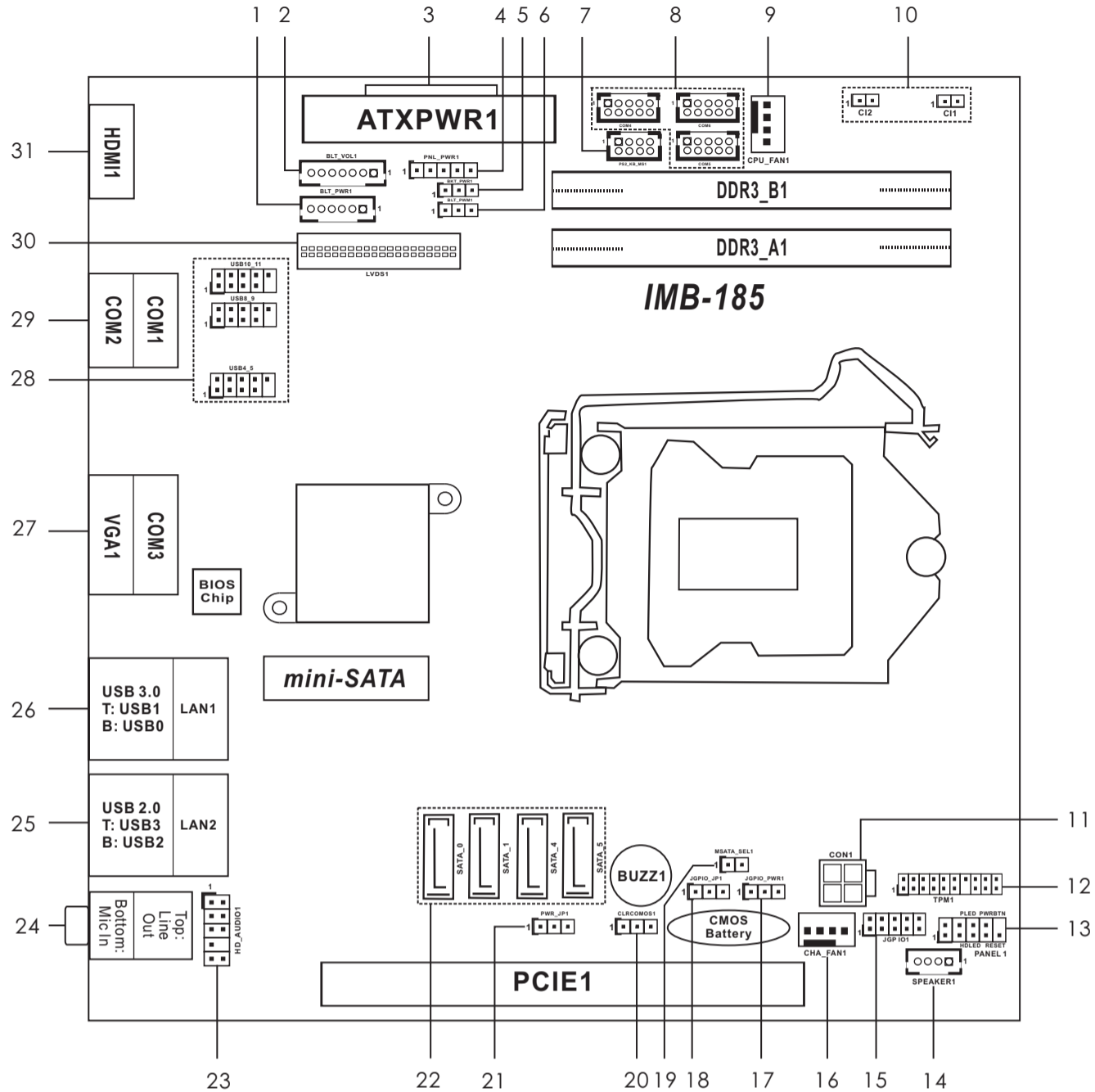




IMB-185

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1 : Backlight Power Connector

PIN	Signal Name
1	GND
2	GND
3	BL CTL
4	BL EN
5	LCD_BLT_VCC
6	LCD_BLT_VCC



2 : Backlight Volume Control

PIN	Signal Name
1	GPIO_VOL_UP
2	GPIO_VOL_DW
3	PWRDN
4	LVDS1 BLUP
5	LVDS1 BLDW
6	GND
7	GND

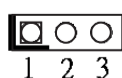


3 : 24-pin ATX Power Input Connector

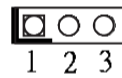
4 : PNL_PWR1
 1-2: LVDD: +3V
 2-3: LVDD: +5V
 4-5: LVDD: +12V



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

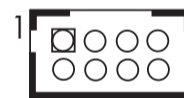


6 : BLT_PWM1
 1-2: +3V Level
 2-3: +5V Level



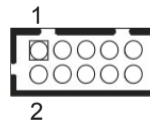
7 : PS2_KB_MS1

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

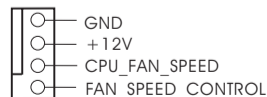


8 : COM4, 5, 6 Headers (RS232)

PIN	Signal Name	PIN	Signal Name
1	DCD	6	DSR
2	RXD	7	RTS
3	TXD	8	CTS
4	DTR	9	No Power/+5V/+12V
5	GND	10	NC



9 : 4-Pin Chassis FAN Connector (+12V)

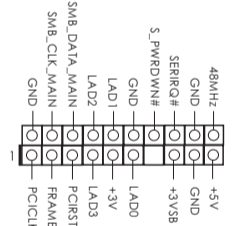


10 : Chassis Intrusion Headers
 CI1:
 Close: Active case open
 Open: Normal
 CI2:
 Close: Normal
 Open: Active case open

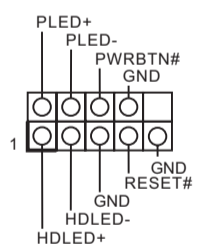


11 : 4-pin ATX Power Input Connector

12 : TPM Header



13 : System Panel Header



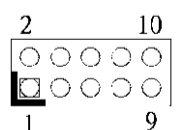
14 : 3W Audio AMP Output Wafer

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

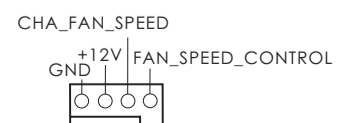


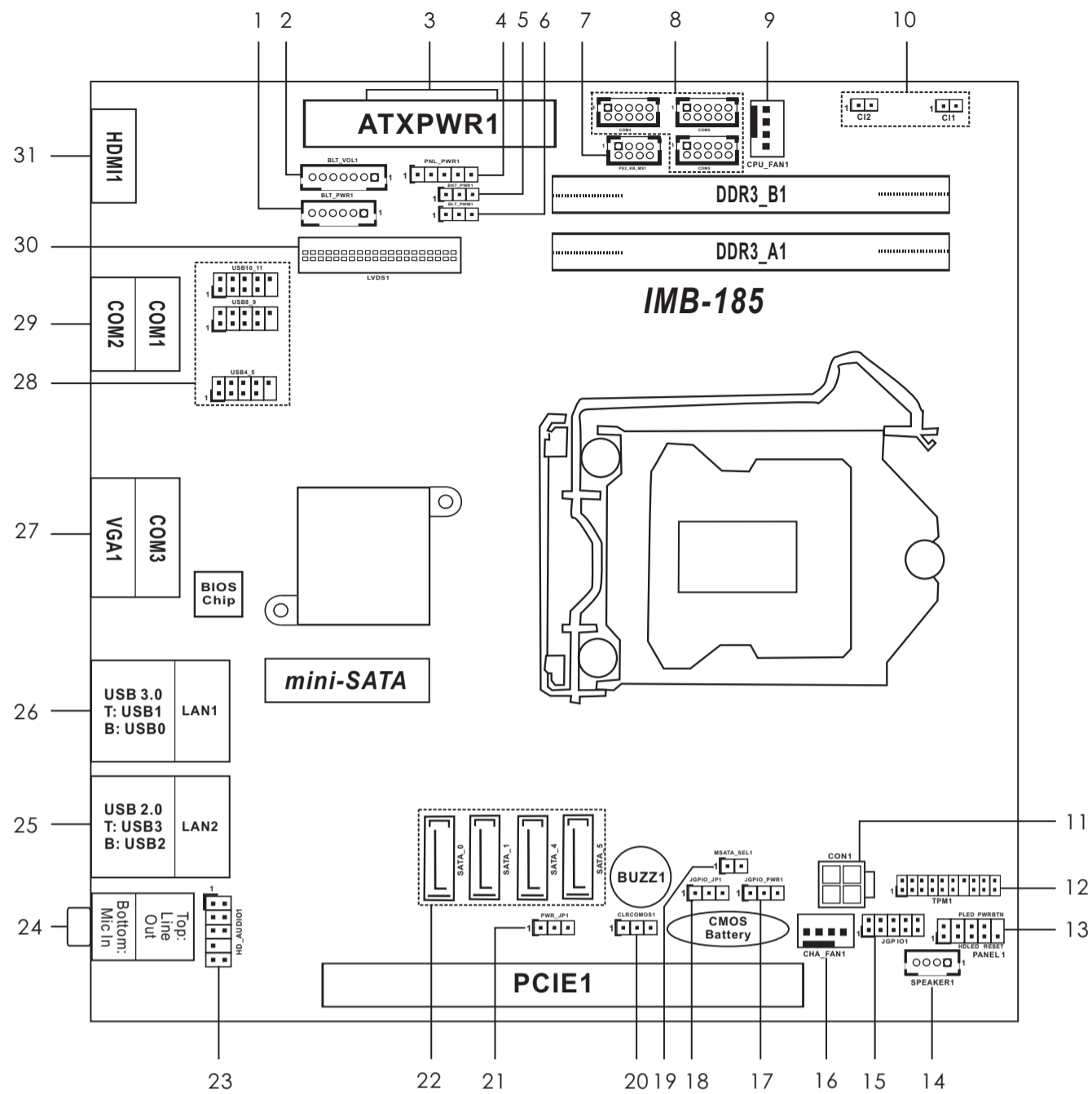
15 : Digital Input / Output Pin Header

PIN	Signal Name	PIN	Signal Name
1	SIO_GP24	2	SIO_GP20
3	SIO_GP25	4	SIO_GP21
5	SIO_GP26	6	SIO_GP22
7	SIO_GP27	8	SIO_GP23
9	JGPIO_PWR1	10	GND



16 : 4-Pin Chassis FAN Connector (+12V)





17 : Digital Input / Output Power Select
 1-2: +12V
 2-3: +5V

18 : GPIO Default Setting
 1-2: +5V
 2-3: GND

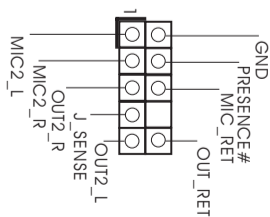
19 : mSATA Select
 Open: Use SATA_5
 Close: Use mSATA

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

21 : ATX/AT Mode Jumper
 1-2: AT Mode
 2-3: ATX Mode

22 : SATA3 Connectors (SATA_0, SATA_1)
 SATA2 Connectors (SATA_4, SATA_5)

23 : Front Panel Audio Header



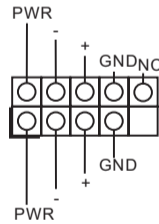
24 : Audio Jacks
 Green - Line Out
 Pink - Mic In

25 : Top: RJ45 LAN Port2
 Bottom: USB2.0 (USB_2_3)

26 : Top: RJ45 LAN Port1
 Bottom: USB3.0 (USB_0_1)

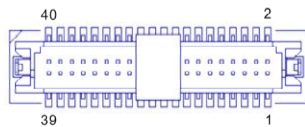
27 : Top: COM3 (RS232/422/485)*
 Bottom: VGA1

28 : USB2.0 Connectors
 (USB4_5, USB8_9, USB10_11)



29 : Top: COM1 (RS232/422/485)*
 Bottom: COM2 (RS232/422/485)*

30 : LVDS Panel Connector



PIN	Signal Name	PIN	Signal Name
1	LVDD	2	LVDD
3	+3V	4	N/A
5	N/A	6	LVDS_A_DATA0#
7	LVDS_A_DATA0	8	GND1
9	LVDS_A_DATA1#	10	LVDS_A_DATA1
11	GND6	12	LVDS_A_DATA2#
13	LVDS_A_DATA2	14	GND2
15	LVDS_A_DATA3#	16	LVDS_A_DATA3
17	GND7	18	LVDS_A_CLK#
19	LVDS_A_CLK	20	GND3
21	LVDS_B_DATA0#	22	LVDS_B_DATA0
23	GND8	24	LVDS_B_DATA1#
25	LVDS_B_DATA1	26	GND4
27	LVDS_B_DATA2#	28	LVDS_B_DATA2
29	DPLVDD_EN	30	LVDS_B_DATA3#
31	LVDS_B_DATA3	32	GND5
33	LVDS_B_CLK#	34	LVDS_B_CLK
35	GND9	36	CON_LBKLT_EN
37	CON_LBKLT_CTR	38	LCD_BLT_VCC
39	LCD_BLT_VCC	40	LCD_BLT_VCC

31 : HDMI1

* This motherboard supports RS232/422/485 on COM1~3 ports. Please refer to below table for the pin definition. In addition, COM1~3 ports (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.

COM1~3 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