

The diagram shows the internal components of the laptop. At the top is the Intel BGA 1528 processor, a square chip with a central square and the Intel logo. Below it are two DDR4 SODIMM memory modules, which are long, thin sticks with gold contacts. A small black component, likely the Wi-Fi card, is shown to the left of the memory modules. Numbered callouts 1, 2, and 3 point to the memory modules, the Wi-Fi card, and the processor respectively.

- 1 SMBus
- 2 Front Audio
- 3 Buzzer
- 4 JP1
- 5 Battery
- 6 USB 6/7 (USB 2.0)
- 7 DIO
- 8 M.2 B Key 3042
- 9 12VDC-In
- 10 eDP
- 11 SPI Flash BIOS
- 12 M.2 B Key 3042
- 13 M.2 E Key 2230
- 14 COM1
- 15 Front Panel
- 16 DP/DP++/HDMI
- 17 LAN1
- 18 LAN2
- 19 2 x USB 3.1 Gen2

Jumper Settings

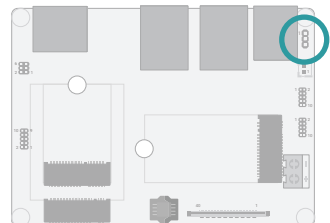
- #### ④ Clear CMOS (JP1)



1-2 On: Normal (default)



2-3 On: Clear CMOS



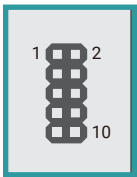
Pin Assignments

1 SMBus



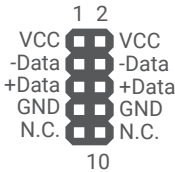
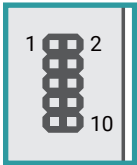
Pin	Assignment	Pin	Assignment
1	3V3SB	2	GND
3	SMBus_Clock	4	SMBus_SDA
5	SMBus_Alert	6	N.C.

2 Front Audio

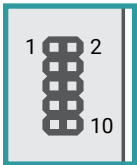


Pin	Assignment	Pin	Assignment
1	MIC2-L	2	GND
3	MIC2-R	4	N.C.
5	LINE2-R	6	MIC2-JD
7	GND	8	N.C.
9	LINE2-L	10	LINE2-JD

6 USB 6/7 (USB 2.0)

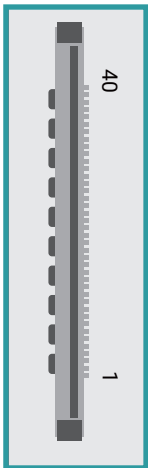


7 DIO



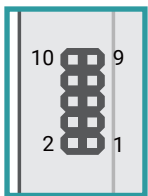
Pin	Assignment	Pin	Assignment
1	DIO_7	2	DIO_6
3	DIO_5	4	DIO_4
5	DIO_3	6	DIO_2
7	DIO_1	8	DIO_0
9	5V	10	GND

10 eDP



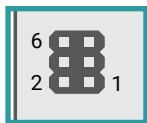
Pin	Function	Pin	Function
1	N.C.	21	Panel Power
2	GND	22	N.C.
3	eDP_TX3-	23	GND
4	eDP_TX3+	24	GND
5	GND	25	GND
6	eDP_TX2-	26	GND
7	eDP_TX2+	27	eDP_HPD
8	GND	28	GND
9	eDP_TX1-	29	GND
10	eDP_TX1+	30	GND
11	GND	31	GND
12	eDP_TX0-	32	Backlight On/Off
13	eDP_TX0+	33	Dimming
14	GND	34	N.C.
15	eDP_AUX+	35	N.C.
16	eDP_AUX-	36	Inverter Power
17	GND	37	Inverter Power
18	Panel Power	38	Inverter Power
19	Panel Power	39	Inverter Power
20	Panel Power	40	N.C.

14 COM1



Pin	RS232	RS422	RS485
1	DCD-	TXD-	Data-
2	SIN	TXD+	Data+
3	SOUT	RXD+	N.C.
4	DTR-	RXD-	N.C.
5	GND	GND	GND
6	DSR-	N.C.	N.C.
7	RTS-	N.C.	N.C.
8	CTS-	N.C.	N.C.
9	RI-	N.C.	N.C.
10	GND	GND	GND

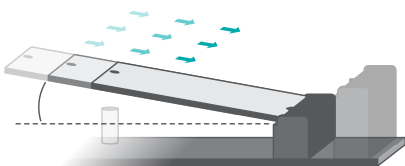
15 Front Panel



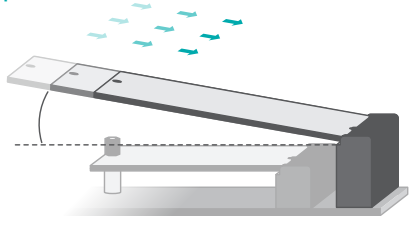
Pin	Assignment	Pin	Assignment
1	PWSIN	2	3V3SB
3	GND	4	SUS_LED
5	RESET	6	HD_LED

M.2 Stack Installation

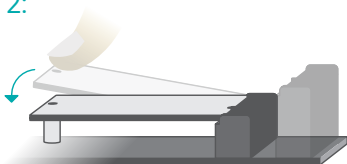
Step 1:



Step 4:



Step 2:



Step 5:



Step 3:



Step 6:



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