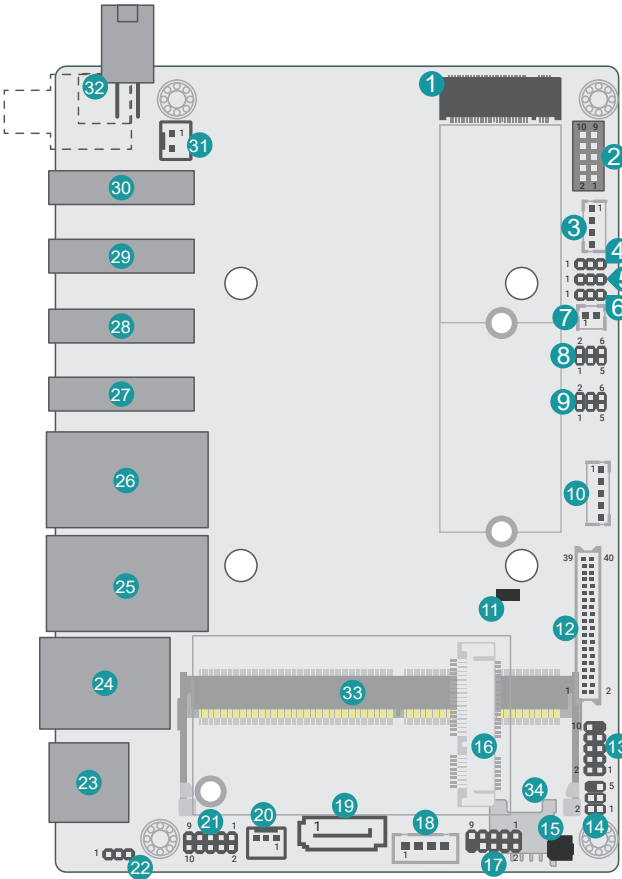


Board Layout



- 1 M.2 M Key
- 2 Front Audio
- 3 Speaker
- 4 JP9000
- 5 JP6
- 6 JP1
- 7 Battery
- 8 JP5
- 9 JP4
- 10 LVDS Backlight
- 11 LED1
- 12 LVDS
- 13 USB 0/3 (USB 2.0)
- 14 SMBus
- 15 Buzzer
- 16 Mini PCIe
- 17 COM1
- 18 SATA Power
- 19 SATA
- 20 CPU Fan
- 21 DIO
- 22 JP2
- 23 USB 5 (USB 2.0)
- 24 LAN3
- 25 LAN2, USB 3.0

- 31 Heater
- 32 12V DC-In
- 33 DDR4 (Bottom)
- 34 Nano SIM (Bottom)
- 26 LAN1, USB 3.0
- 27 DP4
- 28 DP3
- 29 DP2
- 30 DP1

Jumper Settings

8. Front Panel (JP5)

Pin	Assignment	Pin	Assignment
1	Power Button	2	Power LED VCC
3	GND	4	Power LED
5	System Reset	6	HDD LED

4. APU Power (JP9000)

Pin	Assignment
1	APU_VRM1_SCLCK
2	APU_VRM1_SDATA
3	GND

22. Backlight Power Select (JP2)



1-2 On:
+3V3 (default)



2-3 On: +5V

5. AT/ATX Select (JP6)



1-2 On:
AT Mode (default)



2-3 On:
ATX Mode

9. Panel Power Select (JP4)



1-2 On: +12V



3-4 On: +5V



5-6 On: +3.3V (default)

6. Clear CMOS (JP1)



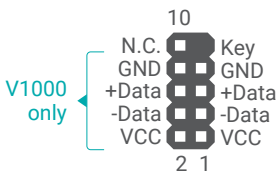
1-2 On: Normal (default)



2-3 On: Clear CMOS

Pin Assignments

13. USB 2.0 Ports

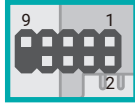


32. 12V DC-In



Pin	Assignment
1	GND
2	GND
3	+12V
4	+12V

17. COM1



Pin	RS232	RS422	RS485
1	DCD-	TXD-	Data-
2	RD	TXD+	Data+
3	TD	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.

3. Speaker

Pin	Assignment
1	SPK_Out_L+
2	SPK_Out_L-
3	SPK_Out_R-
4	SPK_Out_R+



20. CPU Fan

Pin	Assignment
1	Ground
2	Power
3	Sense



31. Heater

Pin	Assignment
1	12V
2	12VSB_PG_SW

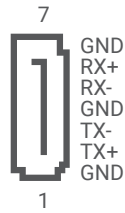


2. Front Audio



Pin	Assignment	Pin	Assignment
1	Mic-L	2	GND
3	Mic-R	4	N.C.
5	Line-Out-R	6	Mic-JD (sense)
7	GND	8	N.C.
9	Line-Out-L	10	Line-JD (sense)

18. SATA

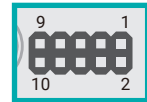


19. SATA Power



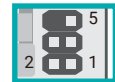
21. DIO

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

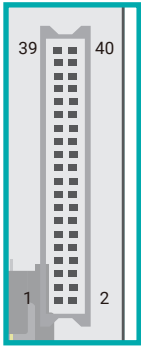


14. SMBus

Pin	Assignment	Pin	Assignment
1	3V3SB	2	GND
3	SMBus_Clock	4	SMBus_DATA
5	SMBus_Alert	6	---



12. LVDS



Pin	Assignment	Pin	Assignment
1	GND	2	GND
3	LVDSA_Out3+	4	LVDSB_Out3+
5	LVDSA_Out3-	6	LVDSB_Out3-
7	GND	8	GND
9	LVDSA_Out2+	10	LVDSB_Out2+
11	LVDSA_Out2-	12	LVDSB_Out2-
13	GND	14	GND
15	LVDSA_Out1+	16	LVDSB_Out1+
17	LVDSA_Out1-	18	LVDSB_Out1-
19	GND	20	GND
21	LVDSA_Out0+	22	LVDSB_Out0+
23	LVDSA_Out0-	24	LVDSB_Out0-
25	GND	26	GND
27	LVDSA_CLK1+	28	LVDSB_CLK1+
29	LVDSA_CLK1-	30	LVDSB_CLK1-
31	GND	32	GND
33	LVDS_DDC_CLK	34	NC
35	LVDS_DDC_DATA	36	+3.3V
37	Panel Power	38	GND
39	Panel Power	40	Panel Power

10. LVDS Backlight



Pin	Assignment	Pin	Assignment
1	+12V	4	PWM Brightness Control
2	GND	5	5V
3	Backlight On/Off		



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