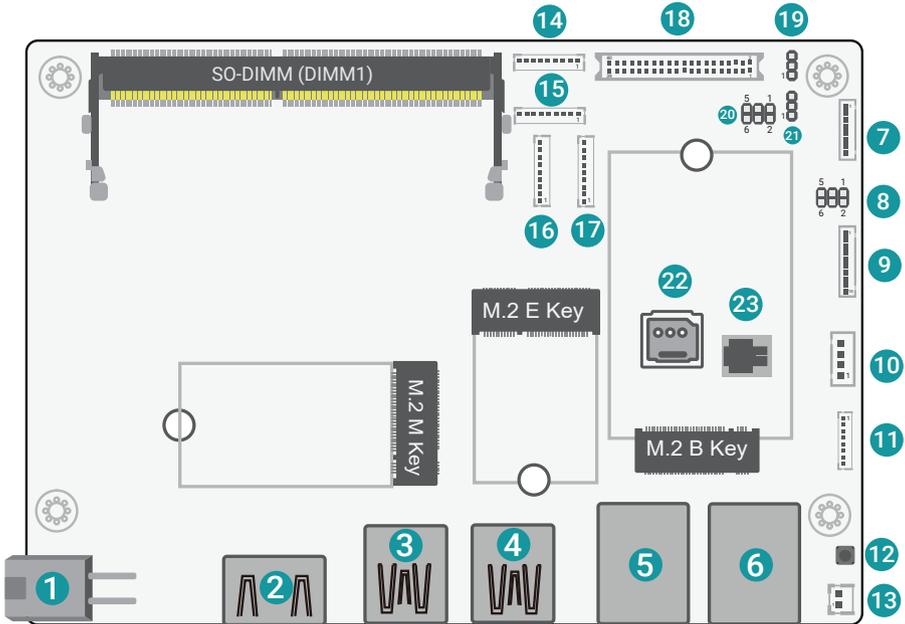
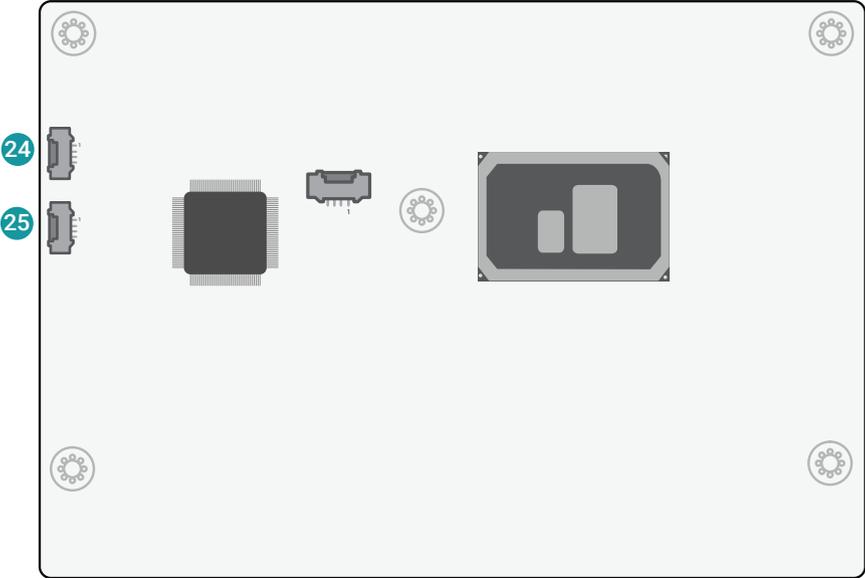


## Board Layout

### Top View



Bottom View



1 DC IN

2 HDMI

3 2x USB3.2

4 2x USB3.2

5 LAN2

6 LAN1

7 USB2.0 Connector

8 Front Panel

9 DIO

10 Audio Speaker Out

11 Front Audio

12 Clear Cmos

13 RTC Battery

14 COM1

15 COM2

16 COM4

17 COM3

18 LVDS

19 Panel Inverter Power Selection

20 Panel Power Jumper

21 Panel Backlight Selection

22 SIM Card Slot

23 SPI

24 CPU FAN (Opt.)

25 I2C/SMBus (Opt.)



## Jumper Settings

<b>21 Panel Backlight Selection</b>	<b>DPJP1</b>
3V3 (default)	1-2 ON
5V	2-3 ON

<b>19 Panel Inverter Power Selection</b>	<b>DPJP2</b>
12V	1-2 ON
5V (default)	2-3 ON

<b>20 Panel Power Jumper</b>	<b>DPJP3</b>
12V	1-2 ON
5V	3-4 ON
3V3 (default)	5-6 ON

# PIN Assignment

## 13 ▶ RTC Battery (J1)

Pin	Assignment
1	RTC power
2	GND

## 24 ▶ CPU Fan (Opt.) (J3)

Pin	Assignment
1	GND
2	12V
3	RPM
4	CTRL

## 1 ▶ DC IN (CN8000)

Pin	Assignment
1	GND
2	GND
3	DC_IN
4	DC_IN

## 10 ▶ Audio Speaker Out (AUCN1)

Pin	Assignment
1	SPKOUT_L+
2	SPKOUT_L-
3	SPKOUT_R+
4	SPKOUT_R-

## 25 ▶ I2C/SMBus (Opt.) (J2)

Pin	Assignment
1	3V3SB
2	GND
3	I2C_SMB_CLK
4	I2C_SMB_DATA
5	I2C_INT_SMB_ALERT#

## 8 ▶ Front Panel (JP1)

Pin	Assignment
1	Front_BTN
2	V_SUS_LED
3	GND
4	V_SUS_LED
5	SYS_RST
6	HDD_LED

## 7 ▶ USB2.0 Connector (UBJ1)

Pin	Assignment
1	USB power
2	DATA-
3	DATA+
4	GND
5	USB power
6	DATA-
7	DATA+
8	GND

## 9 ▶ DIO (CN1)

Pin	Assignment
1	DIO7
2	DIO6
3	DIO5
4	DIO4
5	DIO3
6	DIO2
7	DIO1
8	DIO0
9	5V
10	GND

## 11 ▶ Front Audio (AUJ1)

Pin	Assignment
1	MIC_L
2	A_GND
3	MIC_R
4	LINE_R
5	MIC_JD
6	A_GND
7	LINE_L
8	LINE_JD

### 14 ► COM1 (TSJ1)

Pin	RS232	RS422	RS485
1	MDCD-	TX-	Data-
2	MSIN-	TX+	Data+
3	MSO-	RX+	N.C
4	MDTR-	RX-	N.C
5	GND	N.C	N.C
6	MDSR-	N.C	N.C
7	MRTS-	N.C	N.C
8	MCTS-	N.C	N.C
9	MRI-	N.C	N.C

### 15 ► COM2 (TSJ2)

Pin	RS232	RS422	RS485
1	MDCD-	TX-	Data-
2	MSIN-	TX+	Data+
3	MSO-	RX+	N.C
4	MDTR-	RX-	N.C
5	GND	N.C	N.C
6	MDSR-	N.C	N.C
7	MRTS-	N.C	N.C
8	MCTS-	N.C	N.C
9	MRI-	N.C	N.C

### 17 ► COM3 (TSJ3)

Pin	Assignment	Pin	Assignment
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-		

### 16 ► COM4 (TSJ4)

Pin	Assignment	Pin	Assignment
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-		

Pin	Assignment	Pin	Assignment
1	INV_PWR	2	INV_PWR
3	INV_PWR	4	INV_PWR
5	INV_PWR	6	GND
7	3V3	8	GND
9	VCC_PANEL_PWR	10	VCC_PANEL_PWR
11	LVDS_DDC_CLK	12	LVDS_DDC_DATA
13	DIMMING	14	PVCEN
15	BLONOFF	16	GND
17	LVDSA_LANE0_N	18	LVDSA_LANE0_P
19	LVDSA_LANE1_N	20	LVDSA_LANE1_P
21	LVDSA_LANE2_N	22	LVDSA_LANE2_P
23	LVDSA_CLK_N	24	LVDSA_CLK_P
25	LVDSA_LANE3_N	26	LVDSA_LANE3_P
27	GND	28	GND
29	LVDSB_LANE0_N	30	LVDSB_LANE0_P
31	LVDSB_LANE1_N	32	LVDSB_LANE1_P
33	LVDSB_LANE2_N	34	LVDSB_LANE2_P
35	LVDSB_CLK_N	36	LVDSB_CLK_P
37	LVDSB_LANE3_N	38	LVDSB_LANE3_P
39	GND	40	GND



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