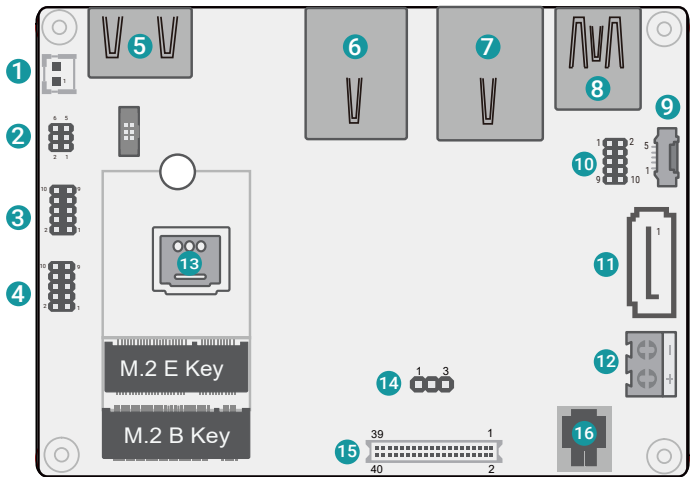


Board Layout

Top View



1 RTC Battery

2 Front Panel

3 COM1

4 COM2

5 HDMI

6 LAN2

7 LAN1

8 USB3_0/1

9 LVDS Backlight Power/SATA Power

10 USB2_4/5

11 SATA Connector

12 DC-IN

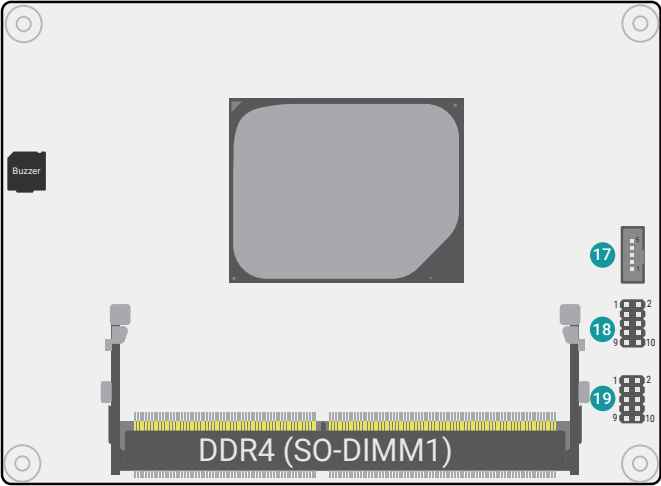
13 Nano SIM Slot (Opt.)

14 Panel Backlight Power Select

15 LVDS

16 SPI

Bottom View



- 17 SMBus/I2C (Opt.)
- 18 DIO
- 19 Front Audio



Jumper Settings

14 Panel Backlight Power Select	JP2
5V	1-2 On
3.3V (Default)	2-3 On



PIN Assignment

12 ► DC-IN (CN20)

Pin	Assignment
1	DCJACK_IN
2	GND

1 ► RTC Battery (J4)

Pin	Assignment
1	RTC Signal
2	GND

17 ► SMBus/I2C (Opt.) (J58)

Pin	Assignment	Pin	Assignment
1	3V3SB	2	GND
3	SMB_I2C_CLK	4	SMB_I2C_DATA
5	SMB_ALERT#		

9 ► LVDS Backlight Power/SATA Power (J44)

Pin	Assignment	Pin	Assignment
1	+12V (Default)	2	GND
3	BLONOFF	4	DIMMING
5	5V		

Note: Pin#5 share 5V with SATA power.

2 ► Front Panel (J59)

Pin	Assignment	Pin	Assignment
1	SIO_PWSIN#	2	3V3SB
3	GND	4	SUS_LED#
5	SYSRST#	6	HD_LED#

11 ► SATA Connector (J2)

Pin	Assignment	Pin	Assignment
1	GND	2	SATA1_TXP
3	SATA1_TXN	4	GND
5	SATA1_RXN	6	SATA1_RXP
7	GND		

18 ► DIO (J54)

Pin	Assignment	Pin	Assignment
1	DO_0	2	DI_0
3	DO_1	4	DI_1
5	DO_2	6	DI_2
7	DO_3	8	DI_3
9	5VSB	10	GND

3 ► COM1 (J51)

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

4 ► COM2 (J52)

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

10 ► USB2_4/5 (J53)

Pin	Assignment	Pin	Assignment
1	5V_USB45	2	5V_USB45
3	USB2_4_C_N	4	USB2_5_C_N
5	USB2_4_C_P	6	USB2_5_C_P
7	GND	8	GND
9	NC	10	NC

19 ► Front Audio (J55)

Pin	Assignment	Pin	Assignment
1	MIC2_L	2	AGND_AUDIO
3	MIC2_R	4	NC
5	LINE2_R	6	MIC2-JD
7	AGND_AUDIO	8	NC
9	LINE2_L	10	LINE2-JD

15 ► LVDS (DPCN601)

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



DFI reserves the right to change the specifications at any time prior to the product's release. This QR may be based on the product's revision. For more documentation and drivers, please visit the download page at www.dfi.com/downloadcenter, or via the QR codes to the right.

