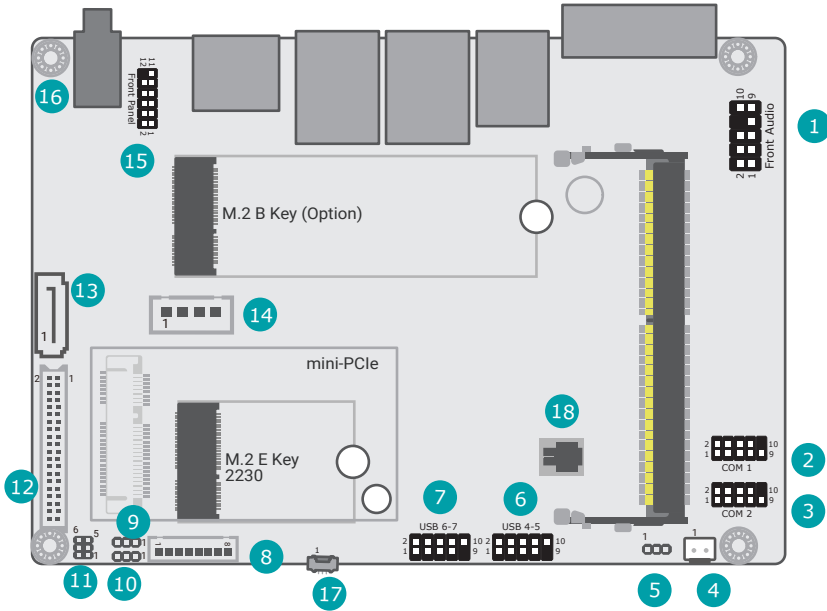


Board Layout



- 1 Front Audio
- 2 COM 1
- 3 COM 2 or 8bit GPIO
- 4 Battery
- 5 UART
- 6 USB2_4/5
- 7 USB2_6/7
- 8 Backlight Control
- 9 Panel Backlight
- 10 Panel Inverter Power
- 11 Panel Power
- 12 LVDS
- 13 SATA1
- 14 SATA Power
- 15 Front Panel
- 16 9~36VDC-In 2x2 Pin DC Input (Opt.)
- 17 System Fan
- 18 eSPI
- 19 eDP



Jumper Settings

9 Backlight Voltage	DPJP1
3V3 (default)	1-2 On

5V	2-3 On
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10 Panel Inverter Power	DPJP2
12V (default)	1-2 On

5V	2-3 On
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11 Panel Power	DPJP3
12V	1-2 On

5V	3-4 On
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3.3V (default)	5-6 On
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Pin Assignments

1 Front Audio

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

2 COM 1 (RS232/RS422/RS485)

Pin	Function	Pin	Function
1	MDCD1#	2	MSIN1
3	MSOUT1	4	MDTR1#
5	GND	6	MDSR1#
7	MRTS1#	8	MCTS1#
9	MRI1#	10	N.C.

3 COM 2 (RS232)

Pin	Function	Pin	Function
1	MDCD2-	2	MSIN2-
3	MSO2-	4	MDTR2-
5	GND	6	MDSR2-
7	MRTS2-	8	MCTS2-
9	MRI2-	10	N.C.

3 COM 2 (8bit GPIO Pin Out)

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

*Change COM2 to 8bit GPIO is available in different part number.

4 Battery

Pin	Function	Pin	Function
1	VCC	2	VCC
3	-Data	4	-Data
5	+Data	6	+Data
7	GND	8	GND
9	---	10	N.C.

5 UART

Pin	Function
1	UART_TX
2	GND
3	UART_RX

6 USB2_4/5

Pin	Function	Pin	Function
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	N.C	10	N.C

7 USB2_6/7

Pin	Function	Pin	Function
1	5V_USB67	2	5V_USB45
3	USB2_6_C_N	4	USB2_7_C_N
5	USB2_6_C_P	6	USB2_7_C_P
7	GND	8	GND
9	N.C	10	N.C

8 Backlight Control

Pin	Function
1	GND
2	GND
3	DIMMING
4	VCC_PANEL
5	LVDS_3V3
6	BLONOFF
7	INV_PWR
8	INV_PWR

12 DPCN4

Pin	Function	Pin	Function
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	27	LVDSB_CLK_P
29	LVDSA_CLK_N	30	LVDSB_CLK_N
31	GND	32	GND
33	LVDS_DDC_CLK	34	N.C
35	LVDS_DDC_DATA	36	LVDS_3V3
37	GND	38	GND
39	LVDS_PANEL_PWR	40	LVDS_PANEL_PWR



DFI reserves the right to change the specification at anytime prior to the product's release. For more information please contact your DFI sales representatives.

15 Front Panel

Pin	Function	Pin	Function
1	N.C	2	SUSLED_PWR
3	SATA LED	4	POWER LED
5		HD_PWR	
7	RESET SWITCH	8	POWER BUTTON
9		GND	
11	N.C	12	N.C

16 9~36VDC-In or 2x2 pin DC input (Opt.)

Pin	Function
1	GND-1
2	GND-2
3	12V-1
4	12V-2

9~36VDC-In :



2x2 Pin DC Input (Opt.) :



17 System FAN

Pin	Function
1	SYSFANIN
2	SYSFANOUT
3	GND

19 eDP

Pin	Function
1	--
2	INV_P WR
3	INV_P WR
4	INV_P WR
5	INV_P WR
6	--
7	--
8	DIMMING_1
9	BLONOFF_1
10	GND
11	GND
12	GND
13	GND
14	eDP_HPD_CN
15	GND
16	GND
17	LCD_BIST
18	LVDS_PANEL_PWR
19	LVDS_PANEL_PWR
20	GND
21	eDPB_AUXN
22	eDPB_AUXP
23	GND
24	eDPB_LANE0_C_P
25	eDPB_LANE0_C_N
26	GND
27	eDPB_LANE1_C_P
28	eDPB_LANE1_C_N
29	GND
30	LCD_CABC