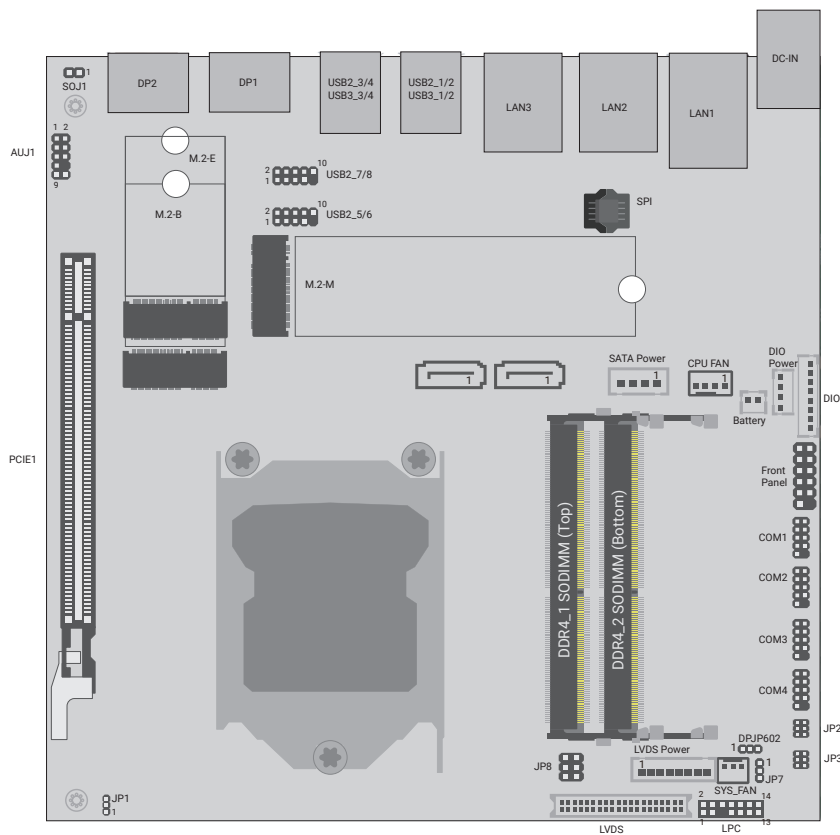


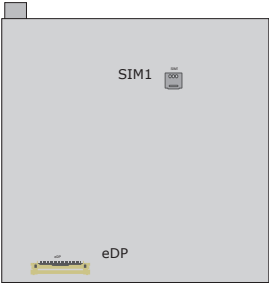
Board Layout



Clear CMOS	JP1	LCD/Inverter Power Select	DPJP602
Normal (default)	1-2 On	+12V (default)	1-2 On
Clear CMOS	2-3 On	+5V	2-3 On

Power Selection COM 1	JP2	Backlight Voltage Select	JP7
RS232 Standard (default)	1-3 / 2-4	3V3	1-2 On
RS232 with Power	3-5 / 4-6	5V	2-3 On

Power Selection COM 2	JP3	Panel Power Select	JP8
RS232 Standard (default)	1-3 / 2-4	12V	1-2 On
RS232 with Power	3-5 / 4-6	5V	3-4 On
		3.3V (default)	5-6 On



Pin Assignment

Front Panel

	Pin	Assignment		Pin	Assignment
HD-LED	1	NC	PWR-LED	2	LED Power
	3	HDD Power		4	LED Power
	5	Signal		6	Signal
RESET	7	GND	ATX-SW	8	GND
	9	Signal		10	Signal
	11	NC		12	---

COM 1/2 Headers: RS232/422/485

COM 3/4 Headers: RS232

Pin	RS232	RS422 Full Duplex	RS485
1	DCD-	TX-	DATA-
2	RD	TX+	DATA+
3	TD	RX+	NC
4	DTR-	RX-	NC
5	GND	GND	GND
6	DSR-	NC	NC
7	RTS-	NC	NC
8	CTS-	NC	NC
9	RI-	NC	NC

SATA 3.0 0(R2)/1(R3)

Pin	Assignment
1	GND
2	TX+
3	TX-
4	GND
5	RX-
6	RX+
7	GND

SATA Power

Pin	Assignment
1	+12V
2	GND
3	GND
4	5V

4-pin Vertical Type (optional)

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

eDP (optional)

Pin	Assignment	Pin	Assignment
1	NC	21	eDP Panel PWR
2	GND	22	NC
3	eDP_Lane 3-	23	GND
4	eDP_Lane 3+	24	GND
5	GND	25	GND
6	eDP_Lane 2-	26	GND
7	eDP_Lane 2+	27	Hot Plug
8	GND	28	eDP_GND
9	eDP_Lane 1-	29	eDP_GND
10	eDP_Lane 1+	30	eDP_GND
11	GND	31	eDP_GND
12	eDP_Lane 0-	32	Panel Backlight On/Off Control
13	eDP_Lane 0+	33	Panel Inverter Brightness Voltage Control
14	GND	34	NC
15	eDP_AUX+	35	NC
16	eDP_AUX-	36	Inverter PWR
17	GND	37	Inverter PWR
18	eDP Panel PWR	38	Inverter PWR
19	eDP Panel PWR	39	Inverter PWR
20	eDP Panel PWR	40	NC

LVDS LCD Panel

Pin	Assignment	Pin	Assignment
1	GND	2	GND
3	LVDSA_3+	4	LVDSB_3+
5	LVDSA_3-	6	LVDSB_3-
7	GND	8	GND
9	LVDSA_2+	10	LVDSB_2+
11	LVDSA_2-	12	LVDSB_2-
13	GND	14	GND
15	LVDSA_1+	16	LVDSB_1+
17	LVDSA_1-	18	LVDSB_1-
19	GND	20	GND
21	LVDSA_0+	22	LVDSB_0+
23	LVDSA_0-	24	LVDSB_0-
25	GND	26	GND
27	LVDSA_CLK+	28	LVDSB_CLK+
29	LVDSA_CLK-	30	LVDSB_CLK-
31	GND	32	GND
33	DDC_CLK	34	NC
35	DDC_DATA	36	+3.3V
37	Panel Power	38	Panel Power
39	Panel Power	40	Panel Power

SMBus

Pin	Assignment	Pin	Assignment
1	3V3SB	2	GND
3	SMB_CLK	4	SMB_DATA
5	SMB_ALERT	6	---

LCD/Inverter Power

Pin	Assignment
1	GND
2	GND
3	Panel Inverter Brightness Voltage Control
4	Panel Power
5	+3.3V
6	Panel Backlight On/Off Control
7	LCD/Inverter Power
8	LCD/Inverter Power

Digital I/O

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

Digital I/O Power

Pin	Assignment
1	+12V
2	GND
3	5VSB
4	+5V

Battery

Pin	Assignment
1	+3.3V
2	GND

LPC

Pin	Assignment	Pin	Assignment
1	CLK	2	LAD1
3	RST#	4	LAD0
5	FRAME#	6	3V3
7	LAD3	8	GND
9	LAD2	10	---
11	SERIRQ	12	GND
13	5VSB	14	5V

Front Audio

Pin	Assignment	Pin	Assignment
1	Mic2-L	2	GND
3	Mic2-R	4	NC
5	Line2-R	6	Mic2-JD
7	GND	8	---
9	Line2-L	10	Line2-JD

USB 2.0 5-6/7-8 Headers

Pin	Assignment	Pin	Assignment
1	PWR	2	PWR
3	DATA-	4	DATA-
5	DATA+	6	DATA+
7	GND	8	GND
9	---	10	NC

Chassis Intrusion (SOJ1)

Pin	Assignment
1	Signal
2	GND

CPU Fan

Pin	Assignment
1	GND
2	12V
3	Sense
4	Speed Control



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.

