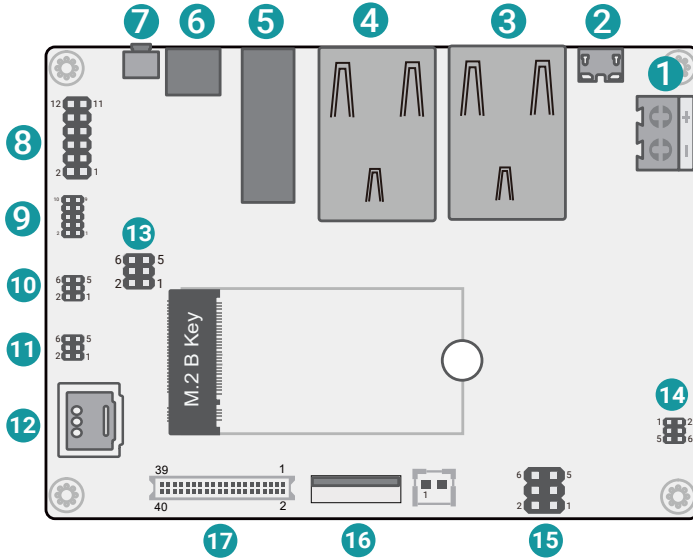


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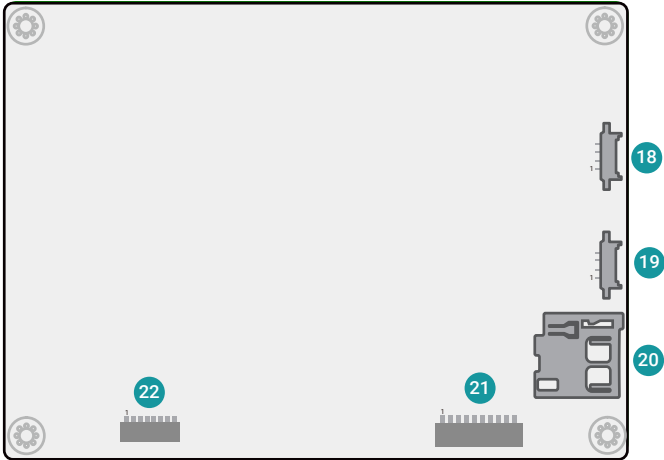
Board Layout

Top View



- | | |
|------------------------|---------------------------|
| 1 Power DC in | 9 USB2.0 |
| 2 Micro USB 2.0 (OTG) | 10 I2C Touch |
| 3 LAN (CN1, ETH1) | 11 Front Panel |
| 4 LAN (CN2, ETH0) | 12 Nano SIM Slot |
| 5 HDMI | 13 Boot Mode Select |
| 6 COM3 (RS-485) | 14 SPI |
| 7 Download Mode Switch | 15 Backlight Power Select |
| 8 COM5 & COM4 | 16 MIPI-CSI |
| | 17 LVDS |

Bottom View



- 18 CAN Bus
- 19 UART Debug
- 20 uSD Card
- 21 Digital I/O
- 22 LCD BackLight Power

Jumper Settings

13 Boot Mode Select	JP1
Serial Download	1-2 On
EMMC BOOT (Default)	3-4 On
SD BOOT	5-6 On

15 Backlight Power Select	BLJP1
3V3	1-2 On
5V (Default)	1-3 On
5V	4-6 On
12V (Default)	5-6 On

PIN Assignment

18 ▶ CAN Bus (CBCN1)

Pin	Assignment
1	5V
2	CAN1H
3	CAN1L
4	GND

22 ▶ LCD BackLight Power (BLJ1)

Pin	Assignment
1	DIMMING
2	GND
3	BLONOFF
4	GND
5	GND
6	12V/5V
7	12V/5V
8	12V/5V

4 ▶ I2C Touch (TPJP1)

Pin	Assignment	Pin	Assignment
1	3V3	2	GND
3	SCL	4	ALERT
5	SDA	6	RST

11 ▶ Front Panel (FPJP1)

Pin	Assignment	Pin	Assignment
1	ONOFF	2	3V3
3	GND	4	GPIO
5	SYS_nRST	6	SYS_ON#

21 ► DIO (TSJ1)

Pin	Assignment
1	DI00
2	DI01
3	DI02
4	DI03
5	DI04
6	DI05
7	DI06
8	DI07
9	5V
10	GND

14 ► SPI (SPJP1)

Pin	Assignment	Pin	Assignment
1	SPI_SCLK	2	3V3
3	SPI_MOSI <small>*MOSI is actually SOUT</small>	4	SPI_SS0
5	SPI_MISO <small>*MISO is actually SIN</small>	6	GND

8 ► COM5 & COM4 (TSJP1)

Pin	Assignment	Pin	Assignment
1	RS232_SINN	2	RS232_RTSN
3	RS232_SOUTN	4	RS232_CTSN
5	GND	6	GND
7	COMB_DCDN	8	COMB_SINN
9	COMB_RTSN	10	COMB_SOUTN
11	COMB_CTSN	12	COMB_DTRN

9 ► USB2.0 (UBJ2)

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

COM4 (RS-232)

Pin	Assignment	Pin	Assignment
1	RS232_SINN	2	RS232_RTSN
3	RS232_SOUTN	4	RS232_CTSN
5	GND	6	GND
7	NC	8	RX
9	RTS	10	TX
11	CTS	12	NC

COM4 (RS-422)

Pin	Assignment	Pin	Assignment
1	RS232_SINN	2	RS232_RTSN
3	RS232_SOUTN	4	RS232_CTSN
5	GND	6	GND
7	TX-	8	TX+
9	---	10	RX+
11	---	12	RX-

COM4 (RS-485)

Pin	Assignment	Pin	Assignment
1	RS232_SINN	2	RS232_RTSN
3	RS232_SOUTN	4	RS232_CTSN
5	GND	6	GND
7	DATA-	8	DATA+
9	---	10	---
11	---	12	---

17 ► LVDS (DPJ1)

Pin	Assignment	Pin	Assignment
1	GND	2	GND
3	LVDS_A0-	4	NC
5	LVDS_A0+	6	NC
7	GND	8	GND
9	LVDS_A1-	10	NC
11	LVDS_A1+	12	NC
13	GND	14	GND
15	LVDS_A2-	16	NC
17	LVDS_A2+	18	NC
19	GND	20	GND
21	LVDS_A3-	22	NC
23	LVDS_A3+	24	NC
25	GND	26	GND
27	LVDS_A_CLK-	28	NC
29	LVDS_A_CLK+	30	NC
31	GND	32	GND
33	GND	34	GND
35	3V3	36	5V
37	3V3	38	5V
39	3V3	40	5V



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.

