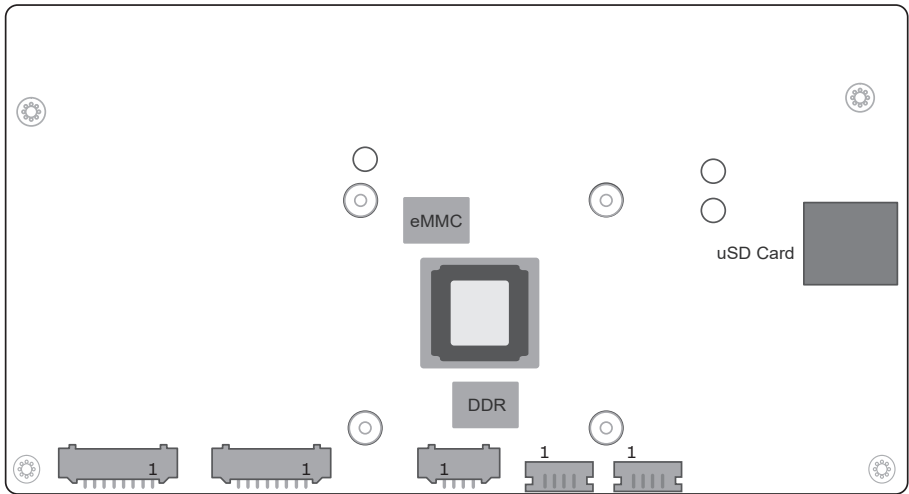
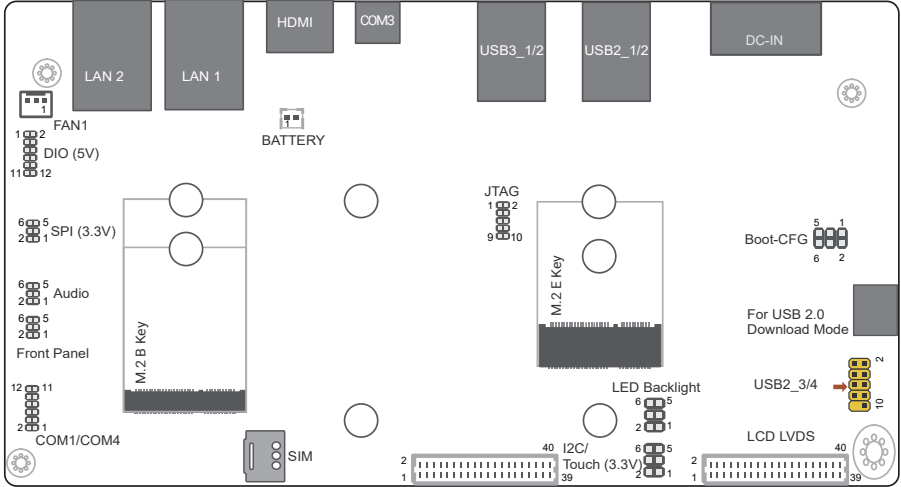


Board Layout



Jumper Settings

LED Backlight	BLJP1
5V (default)	1-3 On
3.3V	1-2 On
Backlight Power 12V (default)	5-6 On
Backlight Power 5V	4-6 On

Boot-CFG	JP1
Internal Boot (default)	1-2 Off
Serial Downloader	1-2 On
NC	3-4
EMMC@eSDHC (default)	5-6 Off
uSD@eSDHC2	5-6 On

Pin Assignments for I/O Connectors

TPJP1 I2C/Touch (3.3V)

Pin	Function
1	+3.3V_TP
2	GND
3	TP_SCL
4	TP_ALT#
5	TP_SDA
6	TP_RST#

AUJP1 AUDIO

Pin	Function
1	MIC_IN
2	GND
3	GND
4	R-CH
5	GND
6	L-CH

IOJP1 DIO(5V)

Pin	Function
1	GND
2	PWM
3	GND
4	+5V_DIO
5	DIO0
6	DIO1
7	DIO2
8	DIO3
9	DIO4
10	DIO5
11	DIO6
12	DIO7

FPJP1 Front Panel (3.3V)

Pin	Function
1	ONOFF_BTN#
2	FP_LED
3	GND
4	FP_PWM
5	RST#
6	RSV_BTN#

UBJ1 USB 2.0 Headers (3/4)

Pin	Assignment	Pin	Assignment
1	+5VUSBHDR	2	+5VUSBHDR
3	USBH_DN_HDR1	4	USBH_DN_HDR2
5	USBH_DP_HDR1	6	USBH_DP_HDR2
7	GND	8	GND
9	---	10	---

J1 JTAG

Pin	Assignment	Pin	Assignment
1	MVDD_3V3	2	JTAG_TMS
3	GND	4	JTAG_TCK
5	GND	6	JTAG_TDO
7	GND	8	JTAG_TDI
9	GND	10	JTAG_RST#

J10 Debug(COM2)

Pin	Assignment
1	+3.3V
2	UART2_RX
3	UART2_TX
4	GND

BLJ1 LCD Backlight

Pin	Function
1	VLED_12V / 5V
2	VLED_12V / 5V
3	VLED_12V / 5V
4	GND
5	GND
6	Backlight On / Off
7	GND
8	Backlight Dimming

TPJ1 I2C/Touch (3.3V)

Pin	Function
1	NC
2	NC
3	TP_RST#
4	TP_ALT#
5	+VTP_3V3
6	TP_SCL
7	TP_SDA
8	GND

SFJ1 FAN (5V/12V)

Pin	Assignment
1	GND
2	PWM_FAN
3	TACH_FAN

CBCN1 CAN1 (5V)

Pin	Assignment
1	+5V
2	CAN1H
3	CAN1L
4	GND

CBCN2 CAN2 (5V)

Pin	Assignment
1	+5V
2	CAN2H
3	CAN2L
4	GND

DPJ1 LCD Panel

Pin	Assignment	Pin	Assignment
1	GND	2	GND
3	LVDS_A2-	4	LVDS_B3+
5	LVDS_A2+	6	LVDS_B3-
7	GND	8	GND
9	LVDS_A3-	10	LVDS_B2+
11	LVDS_A3+	12	LVDS_B2-
13	GND	14	GND
15	LVDS_A0-	16	LVDS_B1+
17	LVDS_A0+	18	LVDS_B1-
19	GND	20	GND
21	LVDS_A1-	22	LVDS_B0+
23	LVDS_A1+	24	LVDS_B0-
25	GND	26	GND
27	LVDS_A_CLK-	28	LVDS_B_CLK-
29	LVDS_A_CLK+	30	LVDS_B_CLK+
31	GND	32	GND
33	GND	34	GND
35	+VDD_3.3V	36	+VDD_5V
37	+VDD_3.3V	38	+VDD_5V
39	+VDD_3.3V	40	+VDD_5V

TSJP1 COM1/COM4

Pin	Function
1	SINN1
2	RTSN1
3	SOUTN1
4	CTSN1
5	GND
6	GND
7	DCDN4
8	SINN4
9	RTSN4
10	SOUTN4
11	CTSN4
12	DTRN4

SPJP1 SPI (3.3V)

Pin	Function
1	SPI_CLK
2	+3.3V
3	SPI_MISO
4	SPI_SS0
5	SPI_MOSI
6	GND



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.

