

- Capacitors are X7R, 3.3V, 20% or better unless otherwise noted
- Tantalum capacitors should have ESR < 300mOhm but to reduce costs, only use them on the noisiest rails
- VDDIO, VDDP, VDDA should have 33uF of decoupling and LFE >1mHz per IMX23RM 32.2.1.1
- Power Supply Designed to Freescale AN3883 recommendations

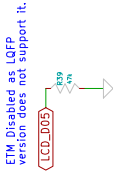
FSUSB20_S, which is connected to PWM2-GPMI_RDY3, controls the USB connector signal switch in the Connectors/JAG sheet.

Debug/Host Mode Enabled LED



PWM2-GPM1_RDY3 also controls USB Host enable to reduce the number of signals stuck on the board.

Boot Mode	LCD_Data			
	3	2	1	0
USB	0	0	0	0
I2C Master (AUART)	0	0	0	1
SPI SSP1 Flash	0	0	1	0
SPI SSP2 Flash	0	0	1	1
GPIM1 (NAND)	0	1	0	0
DEBUG (JTAG_WAIT)	0	1	0	0
SPI SSP2 EEPROM	1	0	0	0
SD/MMC 1	1	0	0	1
SD/MMC 2 (Default)	1	0	1	0



Only need to mount jumpers to invert signals and select boot modes other than SD/MMC2



USB-miniB VBUS supplies power for Li-Ion Battery charging as well as board power.

Schottky Diode per IMX238M 2.1 Notes

