

- Capacitors are X7R, 6.3V, 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 LPF >1MHz per INX23RM 32.2.1.1
- Power Supply Designed to Freescale AppNote AN3883 recommendations

The LQH6PP meets the 2.5A inductor current limit of the LM2621. It also meets the typical (2.85A) internal current limit. However, it does not meet the maximum internal current limit of the LM2621 (4A) which can occur at high temperature during a short of USB-A VBUS+GND.

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

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

Default Boot is SD/MMC2, the captive microSD card. Jumpers can be mounted to alter the default setting.

Schottky Diode per IMX238M 2.4 Note 2

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

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