Title	MANUCA AIR - COMPUTE MODULE	
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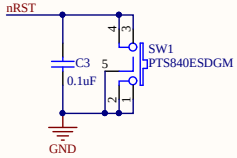
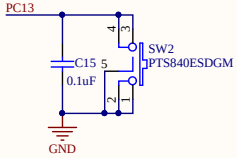
MCU

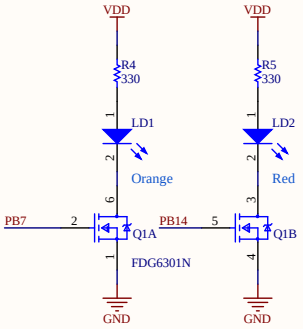
MCU Reset Button



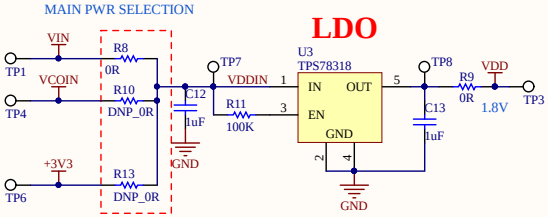
User Defined Button



LED Indicators

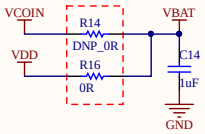


LDO

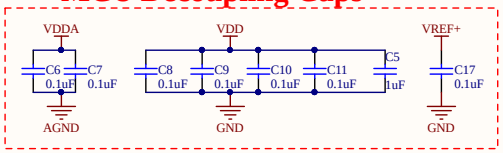


VDD: 1.8V (regulated DC, main power to MCU)
VDDCore: 1.2V (internally regulated from VDD)
VBPACK: 3.2V - 4.2V (Li-Po battery pack)
VCOIN: 2.4V - 3V (Li Coin-cell battery)
U5V: 5V (USB VBUS)
VIN: Combine power source output of U5V & VBPACK
VBAT: Backup power for MCU RTC

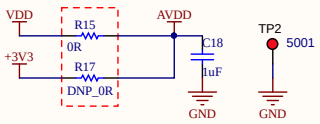
MCU BACKUP PWR SELECTION



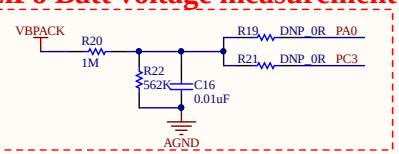
MCU Decoupling Caps



MCU ANALOG PWR SELECTION

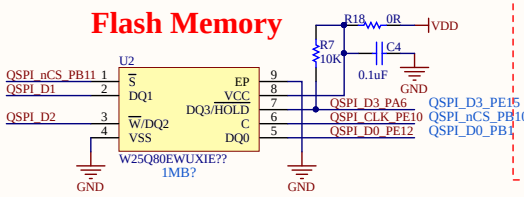


LiPo Batt voltage measurement

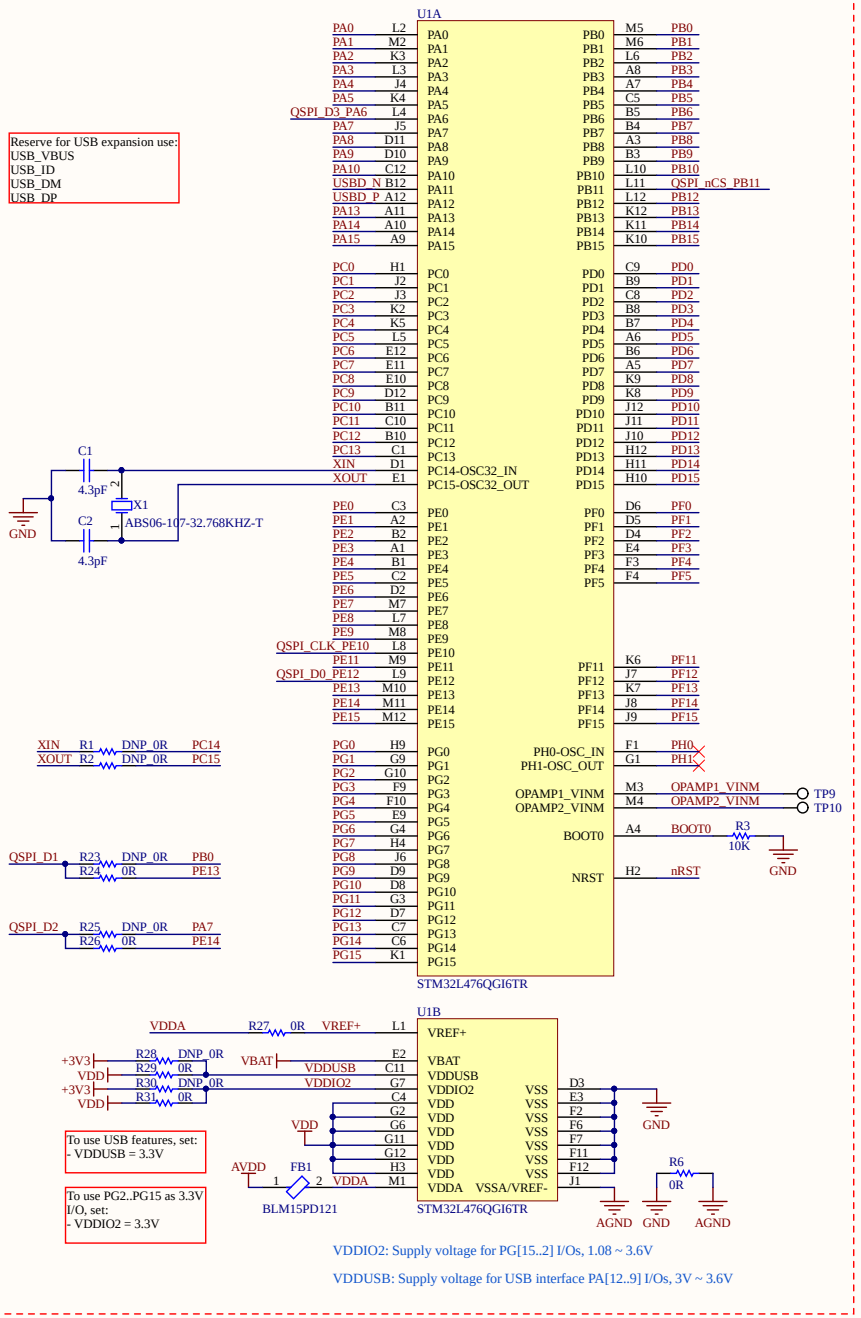


QSPI_nCS_PE11

Flash Memory



Reserve for USB expansion use:
USB_VBUS
USB_ID
USB_DM
USB_DP



VDDIO2: Supply voltage for PG[15..2] I/Os, 1.08 ~ 3.6V

VDDUSB: Supply voltage for USB interface PA[12..9] I/Os, 3V ~ 3.6V

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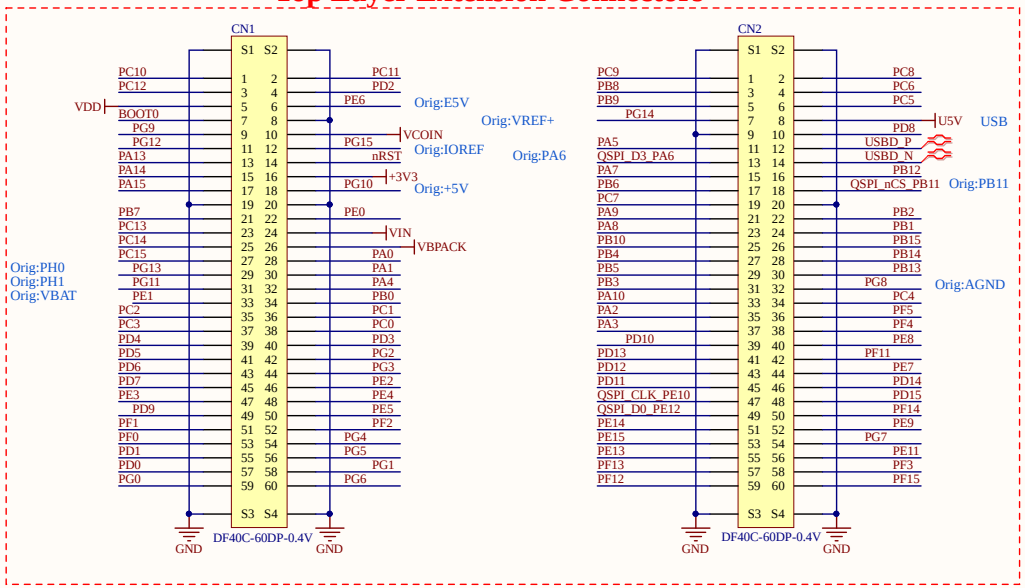
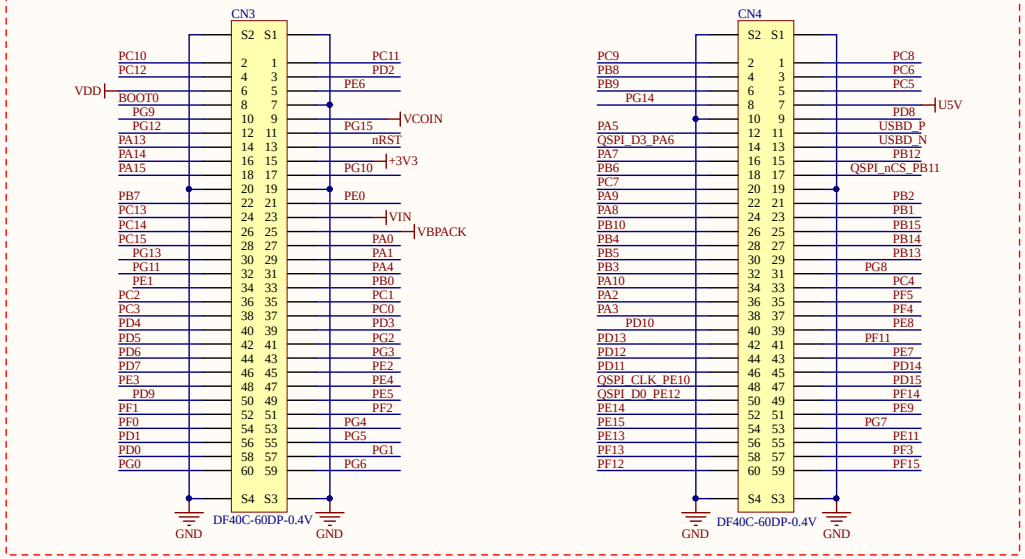
Top Layer Extension Connectors



Bottom Layer Extension Connectors



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