









Consider driving 'MicroSD_A_Pwr' from the I/O Expansion Module ... thus freeing up a MCU pin that could be used for USB +5V detection.

An additional pull-up may be appropriate in that case.

Alternate 1: We could use PA.11 or PA.12 for USB power sense; for this case I'd add a two-pin header so it could be disconnected for testing USB.

Alternate 2: We could move ST7789_Reset to be driven from I/O Expansion Module (which is a very low bandwidth from a signal change perspective).

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