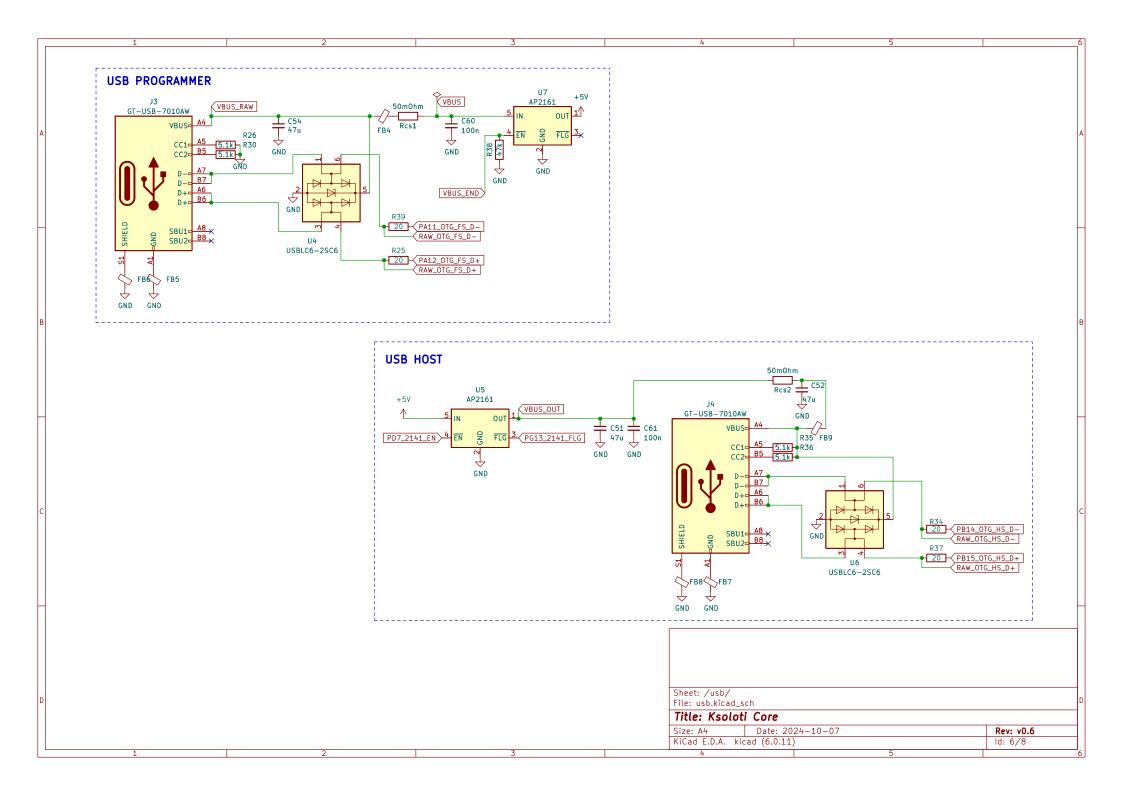
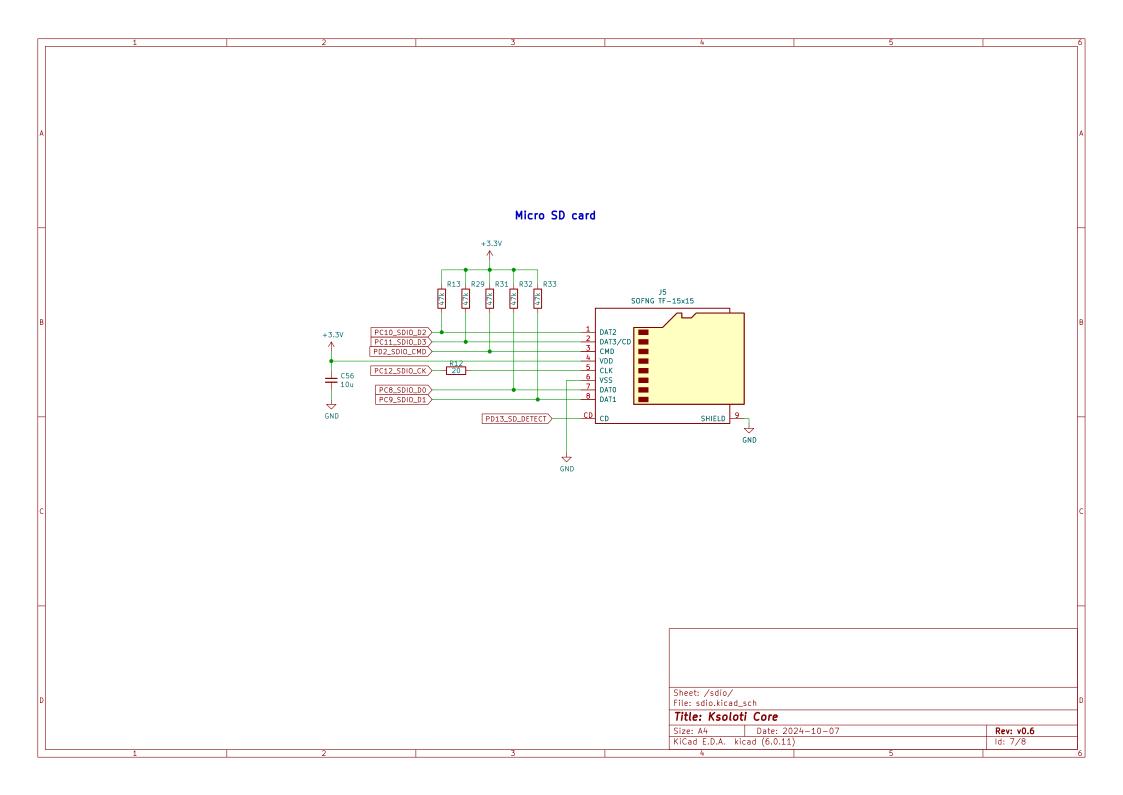


Sheet: /power_midi/ File: power.kicad_sch		
Title: Ksol	oti Core	
Size: A4	Date: 2024-10-07	Rev: v0.6
KiCad E.D.A. kicad (6.0.11)		ld: 5/8





v0.5 done - production - 2023/09/22 Changes in v0.5: - Remove PDM mic, add optional gyroscope/acceleroscope via I2C2. - Rename MIDI pins to MIx, MOx. - Fix swapped labeling of LED1 and LED2 to conform with Axo tradition. Rename LED pins to L1G and L2R to indicate color. - Add 47uF caps C38, C40 to 3.3V rail for more stability when USB or external power is (accidentally) unplugged v0.6 done - production - 2024/03/06 Changes in v0.6: - In USB host port, use AP2161 instead of AP2141 to allow for up to 1A of current. - MT48LC16M16A2P (SDRAM) part shortage. Use AS4C16M16SA-6TIN (W9825G6KH-6I; IS42S16160J-6TLI?) - SRV05-4 price fluctuation. Use USBLC6-2SC6. - Add jumper to disable VBUS power (useful if synced via spilink) - Remove gyroscope (feature creep) - Change layer sequence - SDRAM lines now run on inner layer. - Realign R42, R43 (MIDI out circuit) - Improve MI4, MI5, optional MIDI in circuit labeling - Adjust USB Type-C connector footprint - Use TLP2362 as optional optocoupler (smaller footprint) - Adjust termination resistors from 33 to 20 ohm - Add ferrites to USB GND Sheet: /changelog/ File: changelog.kicad_sch Title: Ksoloti Core Size: A4 Date: 2024-10-07 Rev: v0.6 KiCad E.D.A. kicad (6.0.11) ld: 8/8