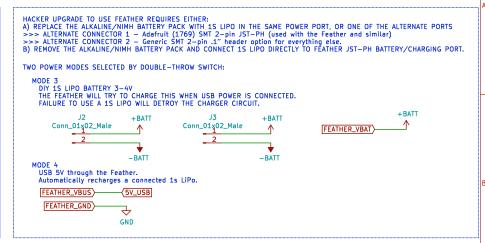
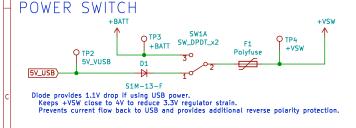
TEENSY LC OR 3.2 AND ALKALINE/NIMH BATTERY PACK *** MUST CUT VIN-VUSB TRACE *** THIS IS THE STANDARD MANUFACTURED KIT CONFIGURATION

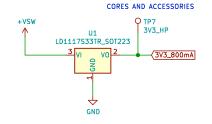
TWO POWER MODES SELECTED BY DOUBLE-THROW SWITCH: BUILT-IN BATTERY PACK (Keystone 2482CN) WITH 4X "AAA" ALKALINE OR NIMH CELLS ...or 3-4 "AA" alkaline/NiMh, or 15 LIPo, but the logic board does not recharge these batteries automatically from USB power. CONNECTED TO 3 PIN input for Battery Pack On PCB: SMT CONN, 3 TERM, HORZ, 2mm spacing, detent lock Such as: Keystone 976, JST PA BM03B-PASS-1-TFT(LF)(SN), Adafruit 4391 (JST PH 3-pin aka STEMMA) from KAWEEI Technology CW2001-03T-H01-BD-A, +BATT Conn_01x03_Male BOTH MODES REQUIRE: VIN must be supplied TO the Teensy and the Core 64 Logic Board provides it here. -BATT +VSW USB 5V through Teensy LC or 3.2 VUSB is 5V from USB cable. VIN must be supplied TO the Teensy and Core 64 Logic Board provides it. TEENSY_VUSB 5V_USB TEENSY_GND GND

HACKER POWER OPTION: ADAFRUIT FEATHER WITH REQUIRED LIPO *** MUST REMOVE ALKALINE/NIMH BATTERY PACK *** USER MODIFICATION REQUIRED









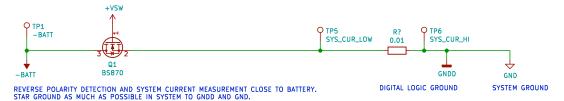
3.3V LOW POWER SUPPLY

TEENSY OR FEATHER 3.3V REGULATOR USED BY: Analog reference, Core Sense Op-Amps, Magnetic Hall switches.



REVERSE POLARITY PROTECTION

SYSTEM CURRENT MEASUREMENT



Andy Geppert - Machine Ideas, LLC

Sheet: /

File: Interactive Core Memory Badge (Logic) Power v0.3.sch

 Title: Core 64 - Power Schematic

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