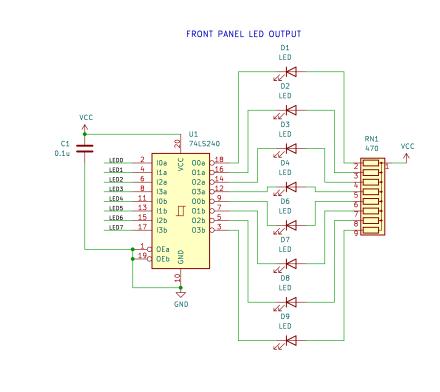
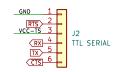
FRONT PANEL SWITCH INPUT

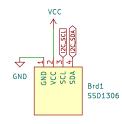


SW9 FP-D0 SW_Push SW_SPDT EXT_RES W10 SW1 SW_SPDT M2-EN ≥ 2° FP-D1 SW_SPDT O 3 IM2-EN-OE SW2 SW_SPDT FP-D2 INTO-EN 2 SW_SPDT 0 3 INTO SW12 SW3 SW_SPDT FP-D3 [∠] o3× SW_SPDT O 3 WAIT SW13 SW4 SW_SPDT FP-D4 2 o vcc-TS SW_SPDT SW5 FP-D5 NOTE: USE MTS-102 SPDT SWITCHES SW_SPDT SW6 FP-D6 [∠] 03× SW_SPDT SW7 FP-D7 2 SW_SPDT SW8

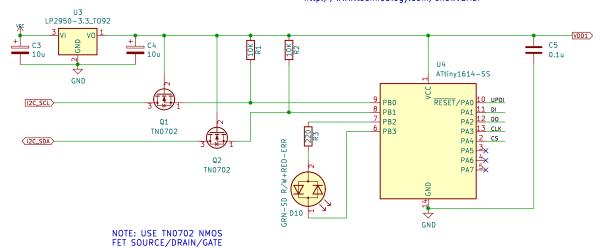
TTL SERIAL TO USB CONNECTOR

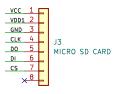


SSD1306 OLED 128x64 DISPLAY

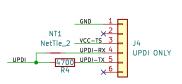


NOTE: I2C TO SD CARD CIRCUIT BASED ON http://www.technoblogy.com/show?3XEP



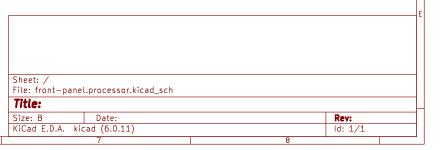


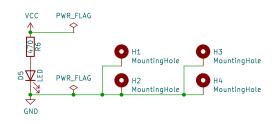
NOTE: ADAFRUIT MICRO SD CARD BREAKOUT BOARD



USB TO UPDI

NOTE: ONLY ATTEMPT UPDI PROGRAMMING WITH FRONT PANEL DISCONNECTED FROM Z80 PROCESSOR BOARD. SW13 CONTROLS VCC POWER SUPPLIED TO ATTINY 1614 VIA THE USB TO UPDI INTERFACE. REMOVE UNNECESSARY COMPONENTS TO MINIMIZE USB CURRENT DRAW. (SD CARD ADAPTER, SSD1306 DISPLAY, AND 74LS240)





2 GND 4 VCC 6 FP-D0 8 FP-D1 10 FP-D2 12 FP-D3

14 FP-D4 16 FP-D5

18 FP-D6

20 FP-D7 22 GND

24 EXT_RES

40 GND

PINS 5, 7, 9, 11, 13, 15, 17, 19 ARE FOR LED STATUS FOR ROMWBW FRONT PANEL INDICATOR

PINS 21, 23 ARE FOR I2C CONNECTION (SDA & SCL)

PINS 29, 37 ARE FOR SERIAL VCC POWER ENABLE PINS 22, 24 ARE FOR EXTERNAL RESET SWITCH

PINS 34, 36 ARE FOR WAIT STATE CIRCUIT ENABLE

PINS 25, 27, 29, 31, 33, AND 35 ARE FOR TTL SERIAL CONNECTOR TO UART

PINS 26, 28 ARE FOR IM2 CIRCUIT ENABLE

PINS 30, 32 ARE FOR INTERRUPT 0 ENABLE

26 | IM2-EN | 28 | IM2-EN-OE | 30 | INTO-EN | 33 | INTO-EN | 33 | INTO-EN | 34 | IM2-EN-OE | 35 | IM2-EN-OE | 36 | IM2-EN-OE | 37 | IM2-EN-OE | 37 | IM2-EN-OE | 37 | IM2-EN-OE | 37 | IM2-EN-OE | 38 | IM2-EN-OE | 39 | IM2-EN-OE

GND 1 VCC 3

LEDO 5

LED1 7 LED2 9

LED3 11

LED4 13 LED5 15

LED6 17

LED7 19

TX 33 (TX) 35 (CTS) 35 (CCC) 37

GND

(I2C_SDA) 21