FRONT PANEL SWITCH INPUT

TTL SERIAL TO
USB CONNECTOR

FRONT PANEL LED OUTPUT

J1 NOTE:

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

PINS 6, 8, 10, 12, 14, 16, 18, 20 ARE FOR SWITCH
INPUTS FOR ROMWBW FRONT PANEL

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

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

PINS 29, 37 ARE FOR SERIAL VCC POWER ENABLE

PINS 22, 24 ARE FOR EXTERNAL RESET SWITCH

PINS 26, 28 ARE FOR IM2 CIRCUIT ENABLE

PINS 30, 32 ARE FOR INTERRUPT 0 ENABLE

PINS 34, 36 ARE FOR WAIT STATE CIRCUIT ENABLE
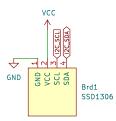
U1 74LS240

RN1 470

NOTE: USE MTS-102
SPDT SWITCHES

SSD1306 OLED
128x64 DISPLAY

Brd1 SSD1306

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

U3 LP2950-3.3_TO92

U4 ATtiny1614-SS

NT1 NetTie_2

J3 MICRO SD CARD

NOTE: ADAFRUIT
MICRO SD CARD
BREAKOUT BOARD

USB TO UPDI
INTERFACE

J4 UPDI ONLY

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)

NOTE: USE TN0702 NMOS
FET SOURCE/DRAIN/GATE

Q1 TN0702
Q2 TN0702

BI-COLOR LED D10

H1 MountingHole
H2 MountingHole
H3 MountingHole
H4 MountingHole