| | ۷ |]r v[| |
|--|-------------------------|------------------------------------|------------------|
| click on mouse pointer arrow on top of right toolbar and double—click on sheet to open | Sheet: blinkey | File: blinkey.sch Sheet: analog | File: analog.sch |
| | Sheet: usb | File: usb.sch Sheet: gpdi | File: gpdi.sch |
| click on mouse pand double-click | Sheet: power Sheet: usb | File: power.sch Sheet: gpio | File: gpio.sch |
| | | | |
| | | | |
| | | | |

File: sdcard.sch Sheet: flash

File: ram.sch Sheet: wifi

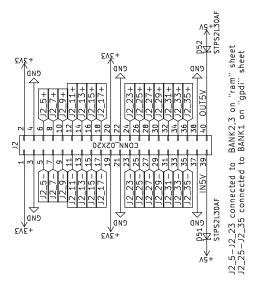
Sheet: sdcard

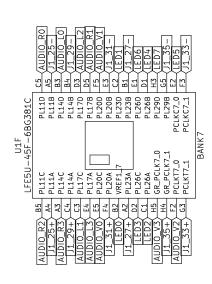
Sheet: ram

File: flash.sch

File: wifi.sch

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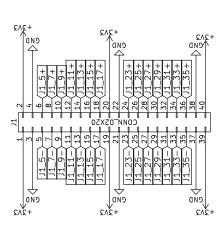


| 11.5+ B11 PCLKTO-| 17.7+ A40 PCLKTO-| 19.9+ A9 GR-PCLK | 11.13+ D9 PT20A | | 11.13+ A7 PT18A | | 11.13+ C8 PT13A | | 11.13+ C6 PT13A | | 11.17+ C7 PT13A | | 11.17

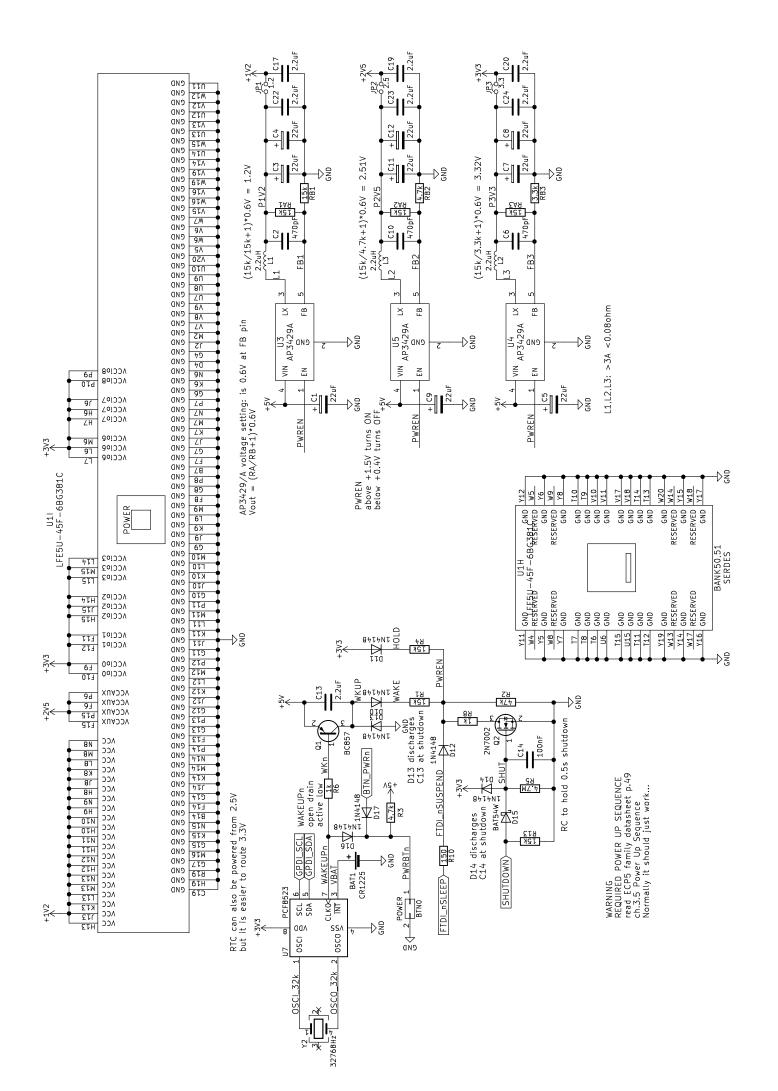
U1A LFE5U-45F-6BG381C

GR_PCLK0_1

PCLKT0_0 PCLKT0_1

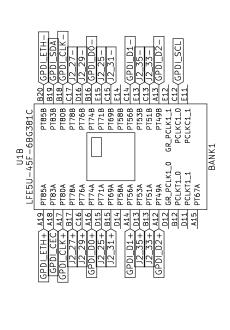


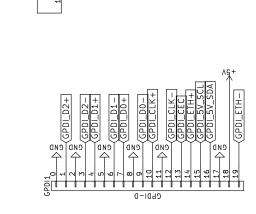
GPIO route only A/B pairs as those are differential bidirectional don't route C/D pairs to GPIO as those can be differential input only

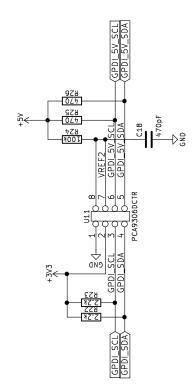


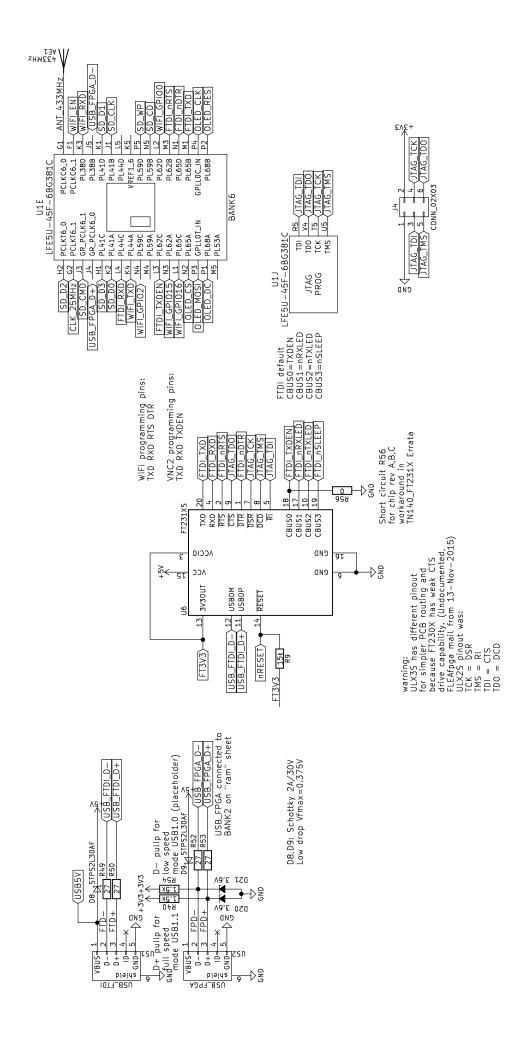
(OLED_CLK) **
(OLED_MOS)
(OLED_RES to global onboard reset?
(OLED_CS)
(OLED_CS) 1330 LED PWREN 1018 R36 KGREEN SSD1306 B/W or SSD1331 COLOR compatible OLED 0.96" or 1.3" PCB 14x14 units 1 unit = 2.54 mm | LEDs to 2.5V bank | direct wiring, no resistors | Direct wiring, (20 D) R45 (ED4) (ED4) (ED4) (ED5) (ED7) (LEDs connected to BANK7 on "gpio" sheet еир 1 A 2 ALED3 OLED1 OLED1 OLED1 OLED1 OLED1 OLED1 OLED1 ₽₽ RED __ FT3V3 RED RED RED RED RED RED RED Buttons connected to BANK8 on "flash" sheet (BTN_F2 (BTN_F1 BTN_D BTN_R (BTN_U (BTN_L BINS 2 BI FIRE1 DOWN FIREZ RIGHT LEFT Ы R39 BTNPUR + R7 BTNPUL +

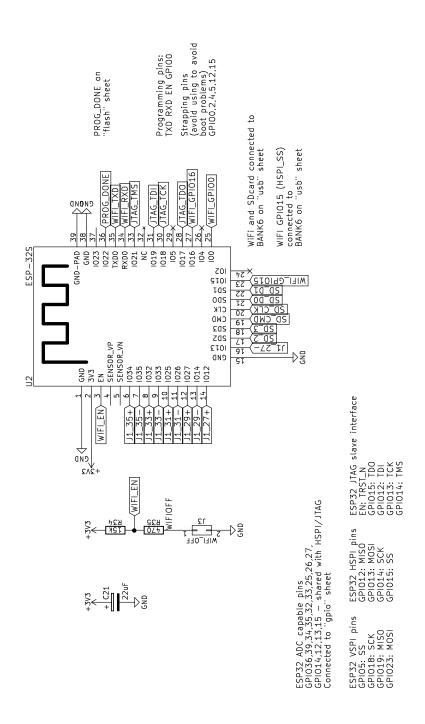
To fix issues with FT231XS rev A.B.C Short-circuit D18 LED but then board cannot keep awake by USB. chip rev D works properly See TN140_FT231X Errata

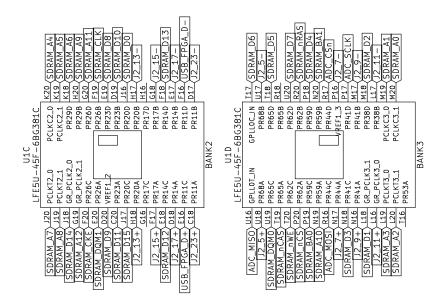


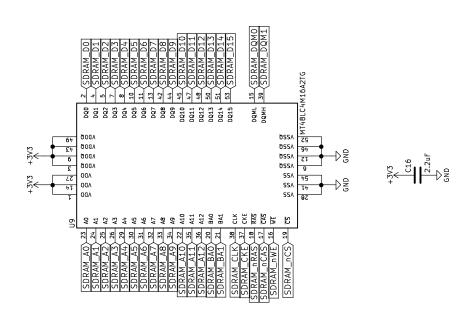


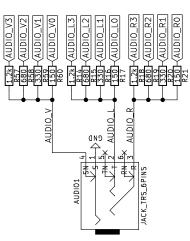






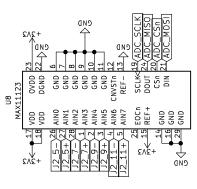




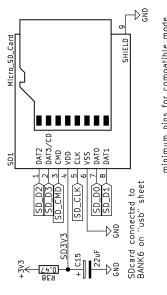


JACK pinout for SJ-43516-SMT-TR http://www.cui.com/product/resource/sj-4351x-smt-series.pdf pin 1 steeve (GND) pin 2 ting1 (feft channel) pin 3 - ring1 (right channel) pin 4 - ring2 (video) pin 5 - ting1 (syltch pin 5 - ting1 vitch pin 6 - ring1 switch pin 6 - ring1 switch

Audio connected to
BANK7 on "gpio" sheet



ADC SPI connected to BANK3 of "ram" sheet



minimum pins for compatible mode SD_CLK, SD_CMD, SD_D0, SD_D3

