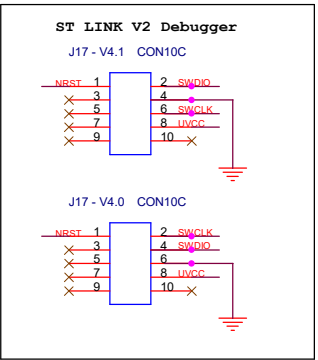
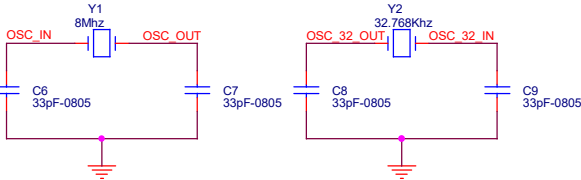
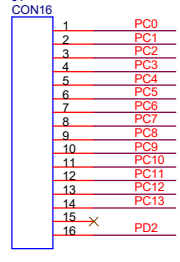
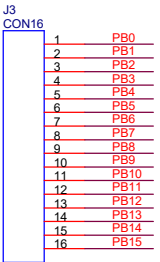
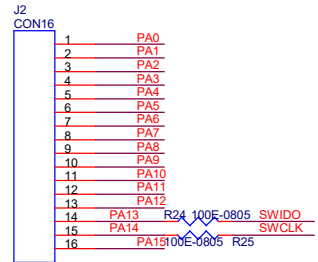
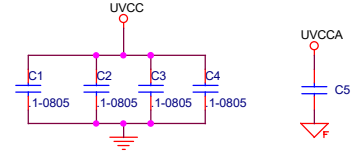
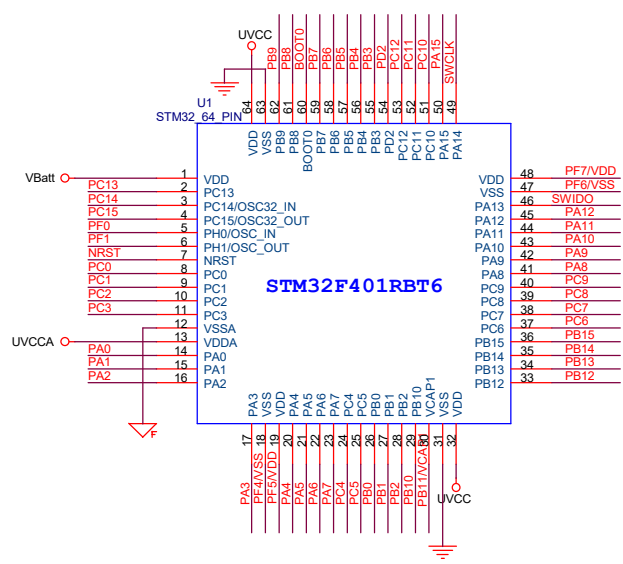


Raayan Mini 4.0/4.1 Schematic

STM32F401RBT6



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CONNECTIONS FOR KM DEVELOPMENT BOARD

16x2 Monochrome LCD

PA0 <-> LCD_D4
PA1 <-> LCD_D5
PA4 <-> BOO1/LCD_D6
PA5 <-> LCD_D7
PA7 <-> LCD_RS
PB8 <-> LCD_RW
PB8 <-> LCD_EN

TFT LCD

PA0 <-> TFT_A0
PA1 <-> TFT_RESET
PA4 <-> TFT_SPI1_CS
PA5 <-> TFT_SPI1_SCK
PA7 <-> TFT_SPI1_MOSI

ADC Zone

PC0 <-> ADC1_10
PC1 <-> ADC1_11

UART Zone

PA9 <-> USART1_TX
PA10 <-> USART1_RX
PA2 <-> USART2_TX
PA3 <-> USART2_RX
PC6 <-> USART6_TX
PC7 <-> USART6_RX

I2C Zone

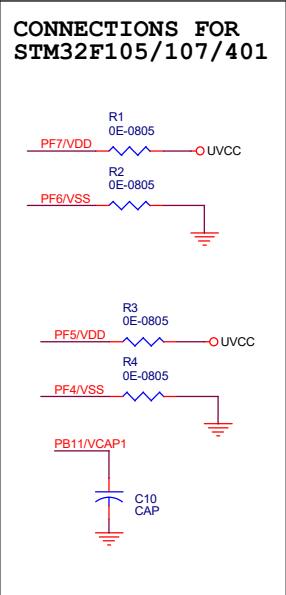
PB6 <-> I2C1_CLK
PB7 <-> I2C1_SDA

GPIO Zone

PB14 <-> GREEN_LED_PB14
PB13 <-> RED_LED_PB13
PC10 <-> SW_ENT
PC8 <-> SW_UP
PC9 <-> SW_DN
PB12 <-> BUZ

CAN & SPI2 Zone

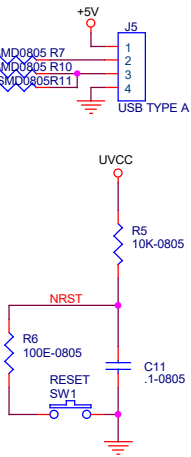
PC2 <-> CAN_SPI2_MISO
PC3 <-> CAN_SPI2_MOSI
PC4 <-> CAN_SPI2_CS
PB10 <-> CAN_SPI2_SCK
PC14 <-> OSC_32_IN
PC15 <-> OSC_32_OUT
PF0 <-> OSC_IN
PF1 <-> OSC_OUT



PROGRAM MODE SELCTION

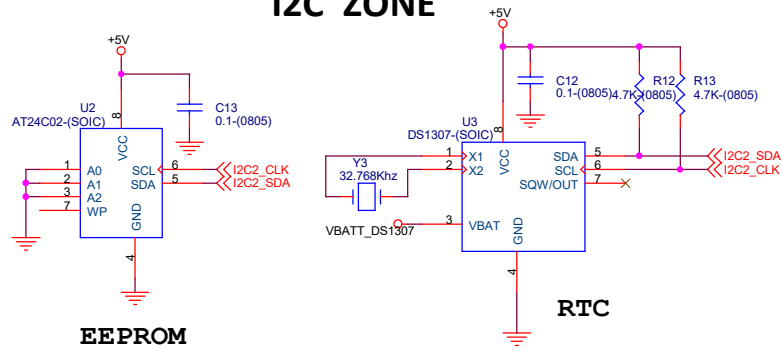
UVCC
R8 10K-0805
R9 10K-0805
BOOT0
BOOT1/LCD_D6

BOOT0	BOOT1	Boot mode
GND	NO CARE	Main Flash memory
VCC	GND	System memory
VCC	VCC	Embedded SRAM

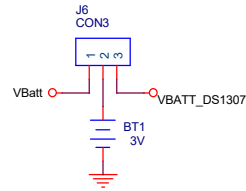


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I2C ZONE

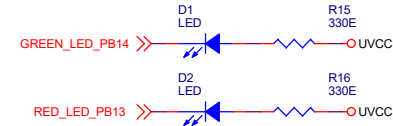


BATTERY

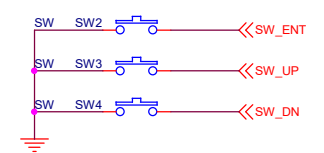


GPIO ZONE

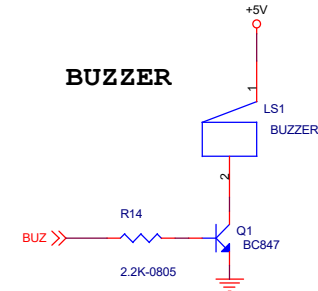
USER LEDS



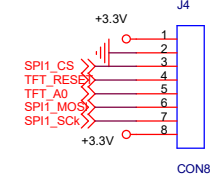
USER SWITCHES



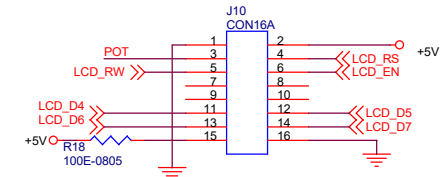
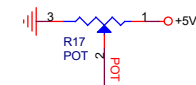
BUZZER



TFT LCD

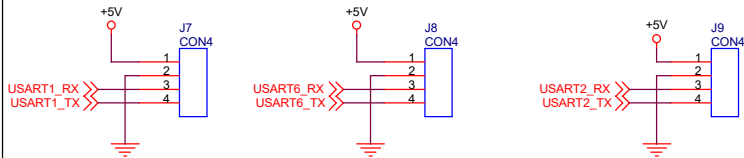


16x2 LCD

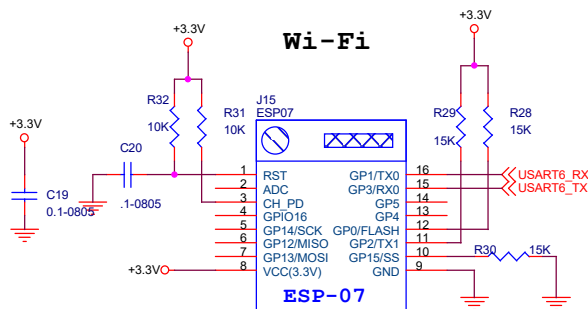


USART ZONE

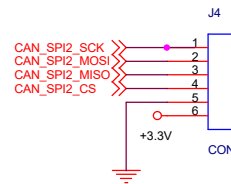
USART OUPUTS



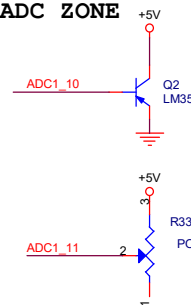
Wi-Fi



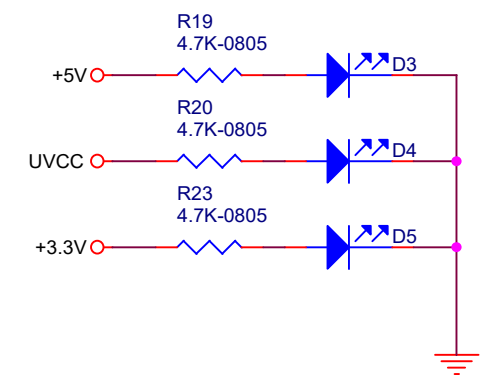
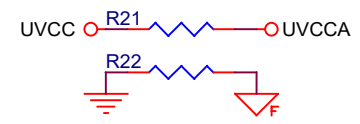
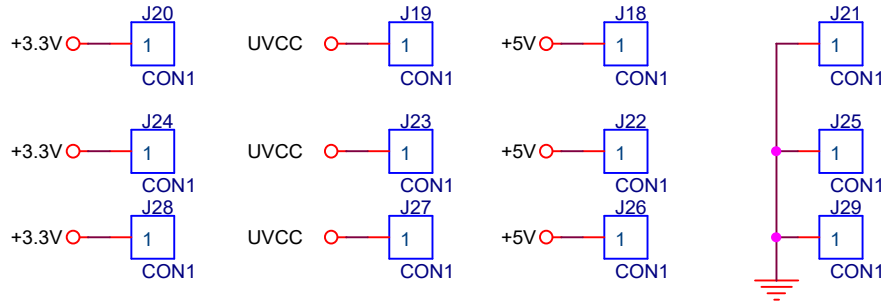
CAN & SPI ZONE



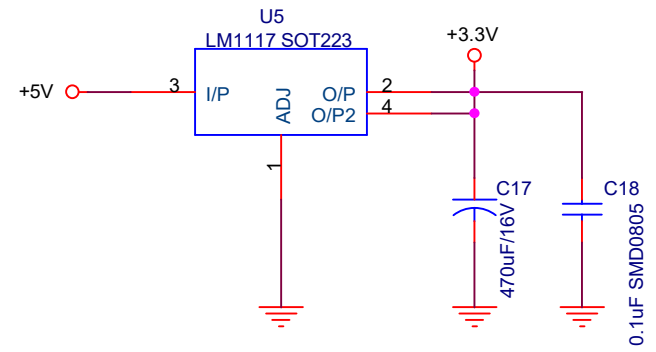
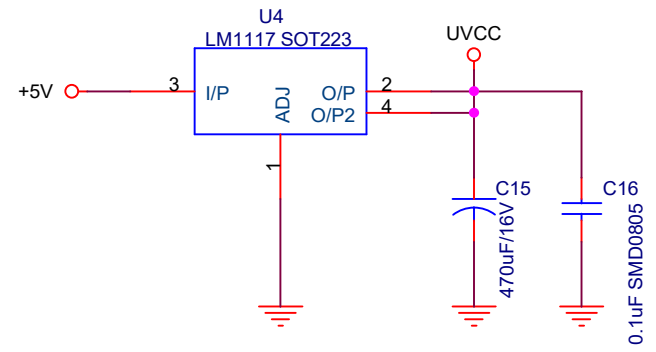
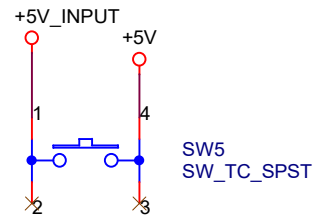
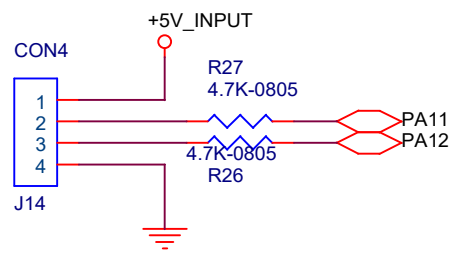
ADC ZONE



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POWER SUPPLY



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