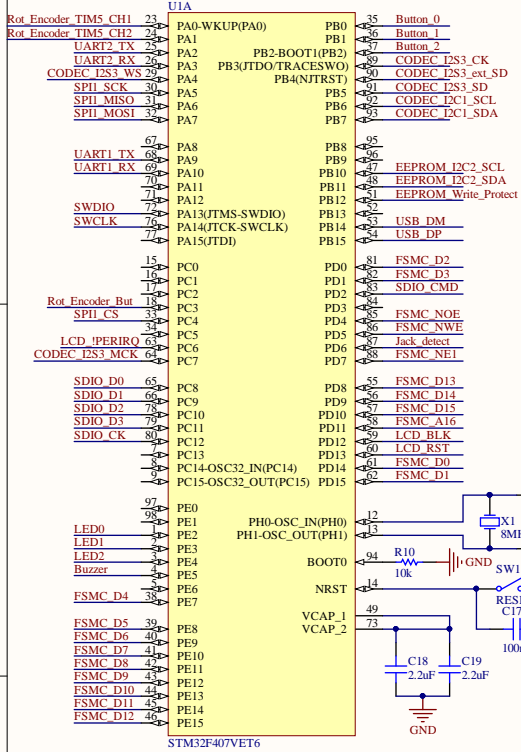
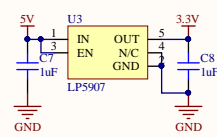


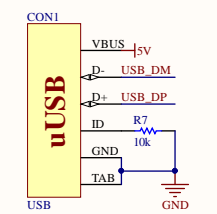
MCU



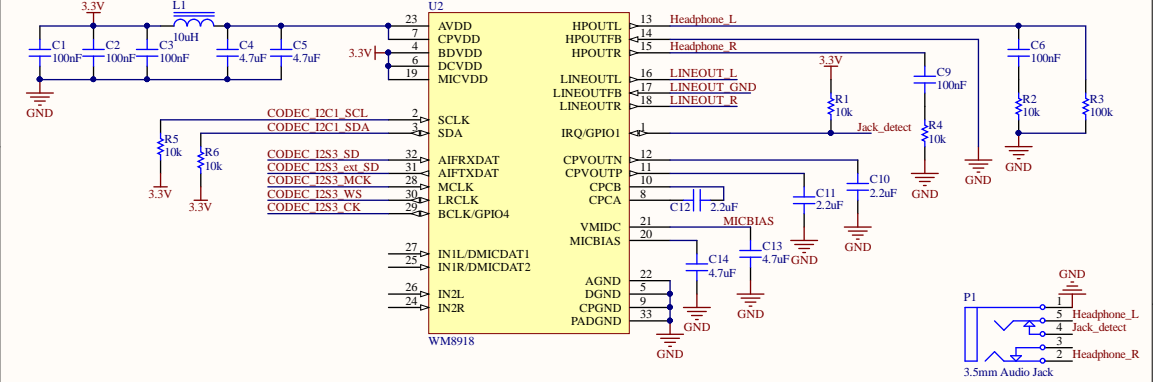
5V to 3.3V



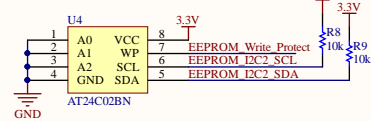
USB



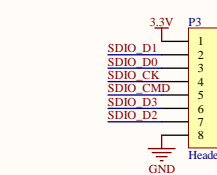
CODEC



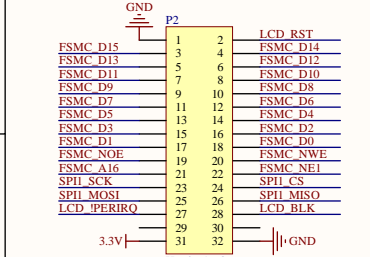
EEPROM



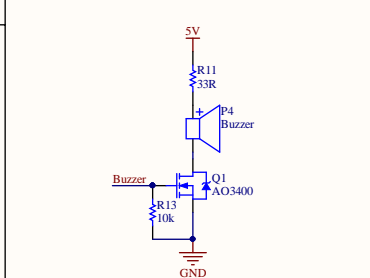
SD Card Moudle



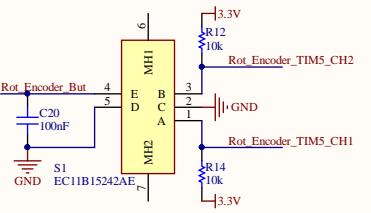
LCD TFT



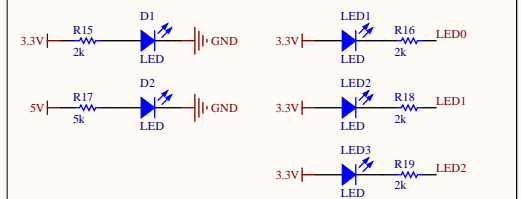
Buzzer



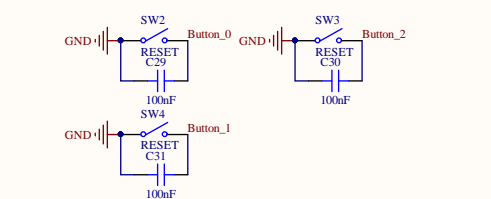
Rotary Encoder



LED

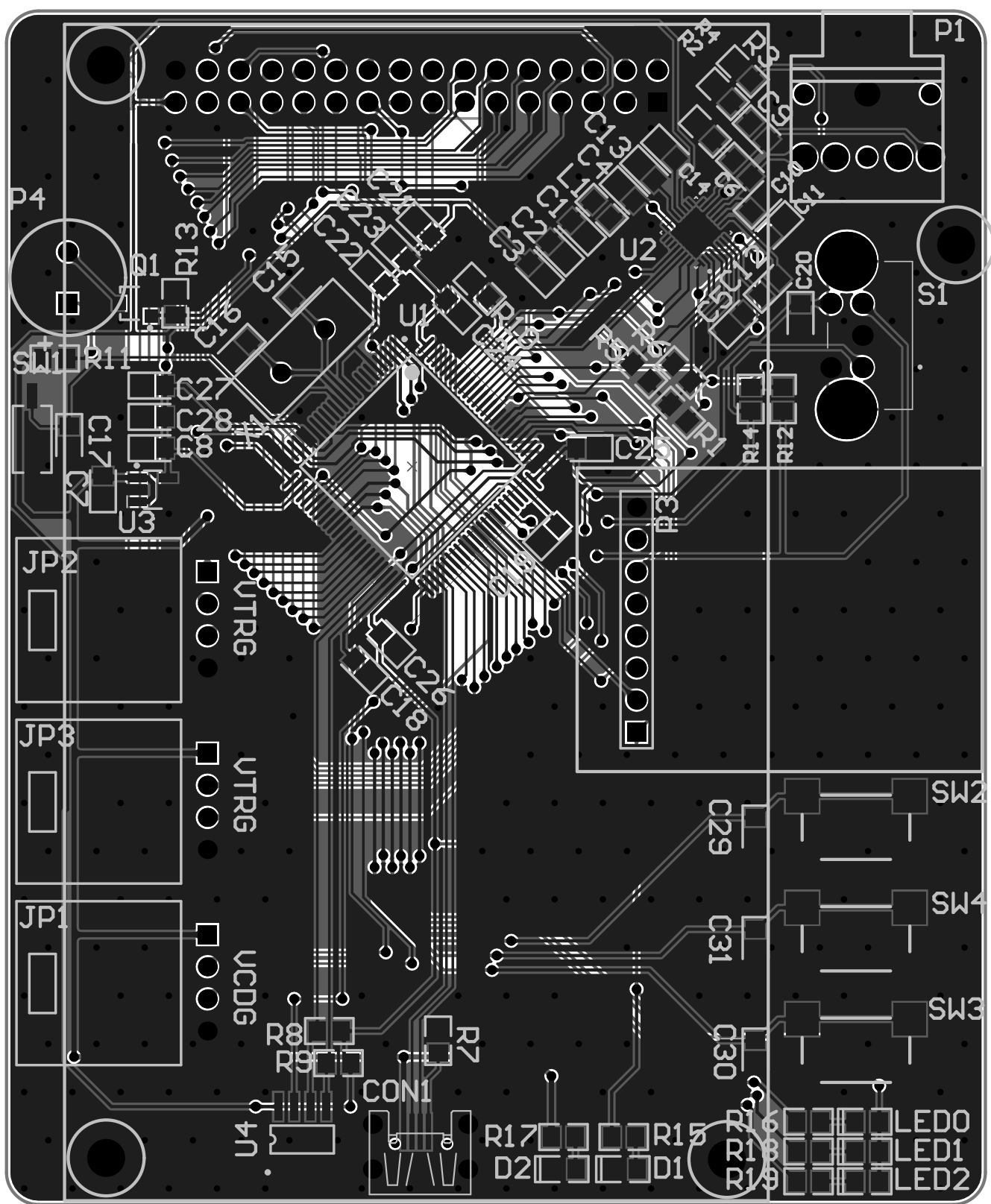


Button



Not in CubeMx/MCU yet
EEPROM_WP (GPIO_Output)
Jack_detect (GPIO_Input)
Rot_encoder_but (GPIO_Input)
LCD_BLK (GPIO_Output)
LCD_RST (GPIO_Output)
LCD_PREIRQ (GPIO_Input)
Buzzer (GPIO_Output)

| Title | | |
|-------|----------------------------------|-----------|
| Size | Number | Revision |
| A3 | | |
| Date: | 7/11/2021 | Sheet of |
| File: | C:\Users\J.ELEC\3300_DAPS\SchDoc | Drawn By: |



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|------------------|--|------------|---------------|------------------|----------|
| 100nF | Capacitor (Semico) | C1 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C2 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C3 | CC2012-0805 | Cap Semi | 1 |
| 4.7uF | Capacitor (Semico) | C4 | CC2012-0805 | Cap Semi | 1 |
| 4.7uF | Capacitor (Semico) | C5 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C6 | CC2012-0805 | Cap Semi | 1 |
| 1uF | Capacitor (Semico) | C7 | CC2012-0805 | Cap Semi | 1 |
| 1uF | Capacitor (Semico) | C8 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C9 | CC2012-0805 | Cap Semi | 1 |
| 2.2uF | Capacitor (Semico) | C10 | CC2012-0805 | Cap Semi | 1 |
| 2.2uF | Capacitor (Semico) | C11 | CC2012-0805 | Cap Semi | 1 |
| 2.2uF | Capacitor (Semico) | C12 | CC2012-0805 | Cap Semi | 1 |
| 4.7uF | Capacitor (Semico) | C13 | CC2012-0805 | Cap Semi | 1 |
| 4.7uF | Capacitor (Semico) | C14 | CC2012-0805 | Cap Semi | 1 |
| 20pF | Capacitor (Semico) | C15 | CC2012-0805 | Cap Semi | 1 |
| 20pF | Capacitor (Semico) | C16 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C17 | CC2012-0805 | Cap Semi | 1 |
| 2.2uF | Capacitor (Semico) | C18 | CC2012-0805 | Cap Semi | 1 |
| 2.2uF | Capacitor (Semico) | C19 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C20 | CC2012-0805 | Cap Semi | 1 |
| 1uF | Capacitor (Semico) | C21 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C22 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C23 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C24 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C25 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C26 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C27 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C28 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C29 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C30 | CC2012-0805 | Cap Semi | 1 |
| 100nF | Capacitor (Semico) | C31 | CC2012-0805 | Cap Semi | 1 |
| USB | | CON1 | USB-UB-S-HML | USB Series Micro | 1 |
| LED | Typical RED GaA | D1 | D0805 | LED | 1 |
| LED | Typical RED GaA | D2 | D0805 | LED | 1 |
| CONNOM | Header, 4-Pin | JP1 | LOCKEDHDR-4W | Header 4 | 1 |
| CONNOM | Header, 4-Pin | JP2 | LOCKEDHDR-4W | Header 4 | 1 |
| CONNOM | Header, 4-Pin | JP3 | LOCKEDHDR-4W | Header 4 | 1 |
| 10uH | Inductor | L1 | CL2012-0805 | Inductor | 1 |
| LED | Typical RED GaA | LED1 | D0805 | LED | 1 |
| LED | Typical RED GaA | LED2 | D0805 | LED | 1 |
| LED | Typical RED GaA | LED3 | D0805 | LED | 1 |
| 3.5mm Audio Jack | Conductor Jack w/ | P1 | STX-3120-5B | Audio Jack 3P | 1 |
| Header 16x2 | | P2 | HDR2X16 | Header 16x2 | 1 |
| Header 8 | Header, 8-Pin | P3 | HDR1X8 | Header 8 | 1 |
| Buzzer | | P4 | BUZ-9.0 | Buzzer | 1 |
| AO3400 | N-Channel MOSF | Q1 | SO-G3/GZ3.3 | AO3400 | 1 |
| 10k | Semiconductor Re | R1 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R2 | CR2012-0805 | Res Semi | 1 |
| 100k | Semiconductor Re | R3 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R4 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R5 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R6 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R7 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R8 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R9 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R10 | CR2012-0805 | Res Semi | 1 |
| 33R | Semiconductor Re | R11 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R12 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R13 | CR2012-0805 | Res Semi | 1 |
| 10k | Semiconductor Re | R14 | CR2012-0805 | Res Semi | 1 |
| 2k | Semiconductor Re | R15 | CR2012-0805 | Res Semi | 1 |
| 2k | Semiconductor Re | R16 | CR2012-0805 | Res Semi | 1 |
| 5k | Semiconductor Re | R17 | CR2012-0805 | Res Semi | 1 |
| 2k | Semiconductor Re | R18 | CR2012-0805 | Res Semi | 1 |
| 2k | Semiconductor Re | R19 | CR2012-0805 | Res Semi | 1 |
| BC11B15242AE | Switch | S1 | BC11B15242AE | BC11B15242AE | 1 |
| RESET | Single-Pole, Singl | SW1 | PUSH SWITCH 2 | SW-SPST | 1 |
| RESET | Single-Pole, Singl | SW2 | PUSH SWITCH | SW-SPST | 1 |
| RESET | Single-Pole, Singl | SW3 | PUSH SWITCH | SW-SPST | 1 |
| RESET | Single-Pole, Singl | SW4 | PUSH SWITCH | SW-SPST | 1 |
| STM32F407VET6 | ARM Cortex-M4 | U1 | STM-LQFP100 | STM32F407VET6 | 1 |
| WM8918 | Ultra Low Power | U2 | QFN40P400X400 | WM8918 | 1 |
| LP5907 | LDO Input: 2.2V to 5.5V Output: 3.3V 250mA Enable: high volt- > turns on | U3 | SOT-23-5 | LP5907 | 1 |
| AT24C02BN | Two-wire Serial E | U4 | SOP-8 | AT24C02BN | 1 |
| 8MHz | Crystal Oscillator | X1 | BCY-W2/E4.7 | XTAL | 1 |