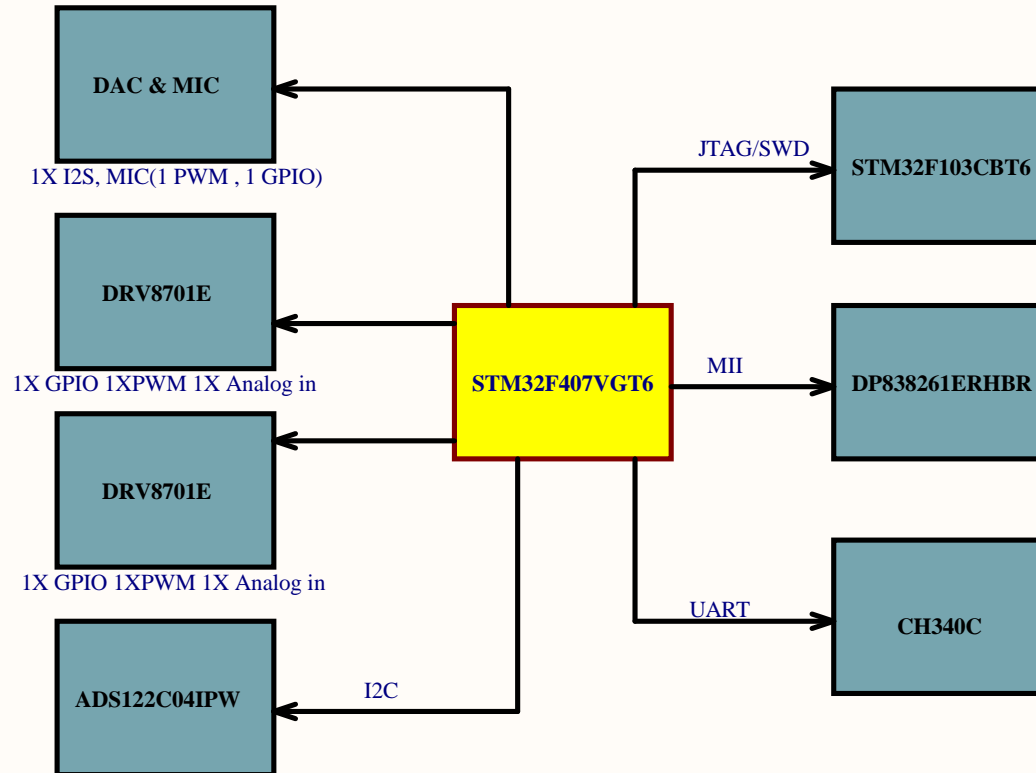


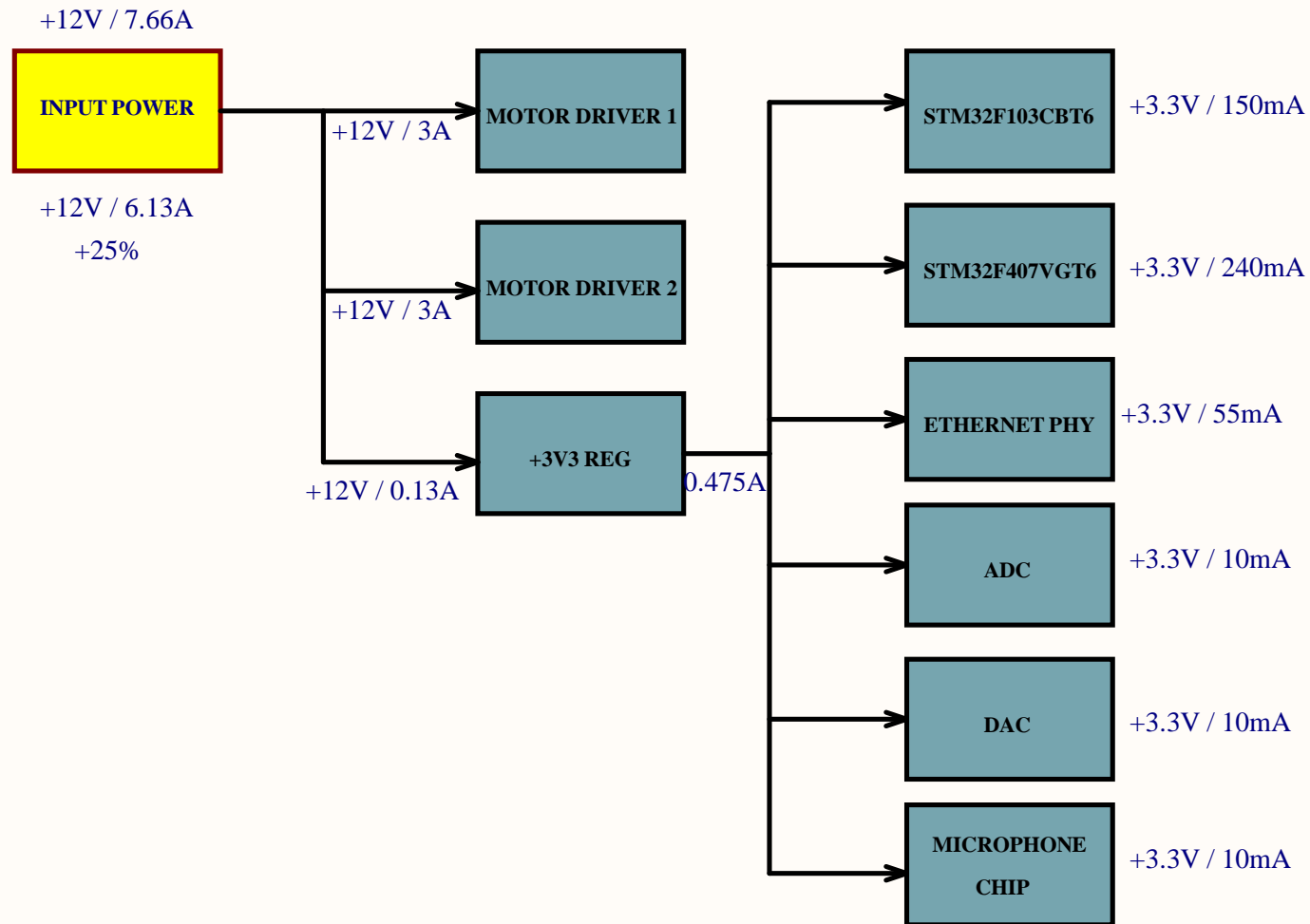
# [1] BLOCK DIAGRAM



TITLE: <b>STM32 Mixed-Signal Board</b>		
DOCUMENT NAME: <b>Block Diagram.SchDoc</b>		
PROJECT CODE: <b>PJ_V1.0</b>	Sheet <b>1</b> of <b>11</b>	
SCALE 1:1	TEMPLATE: <b>A4</b>	AUTHOR: <b>AUNG KYAW KHAING</b>
Contact: "aungkyawkhaing96.ece@gmail.com" for more details		



## [2] POWER BUDGET



TITLE: **STM32 Mixed-Signal Board**

DOCUMENT NAME: **Power Budget.SchDoc**

PROJECT CODE: **PJ\_V1.0**

Sheet **2** of **11**

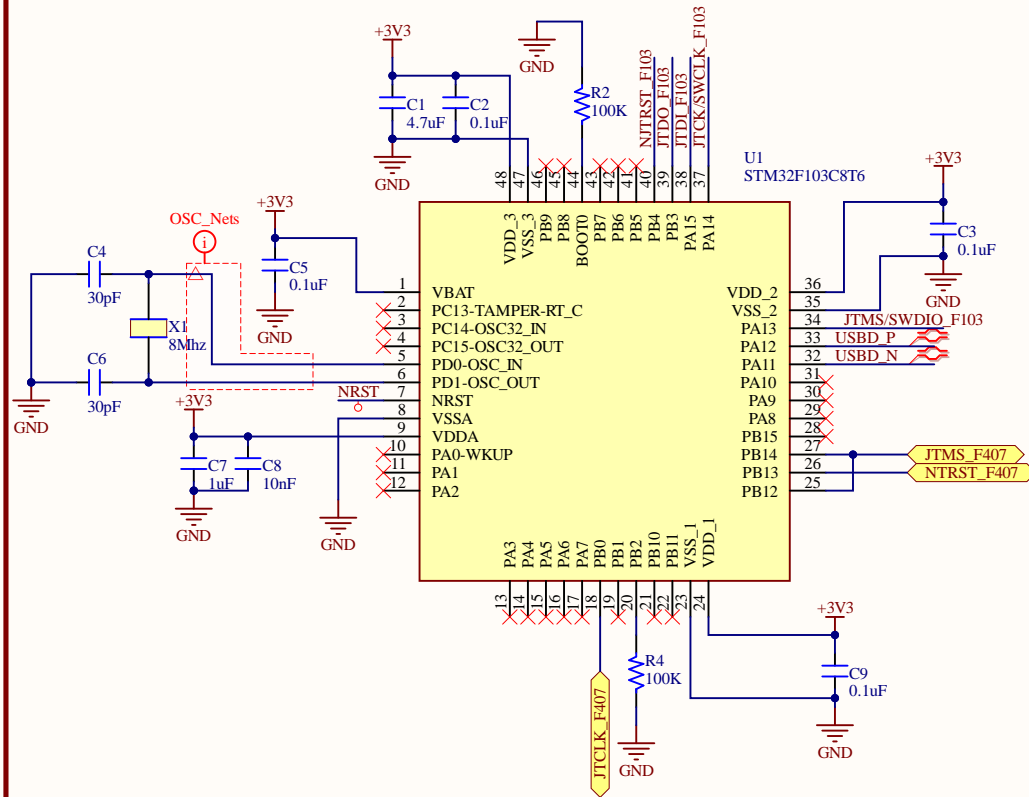
SCALE 1:1 | TEMPLATE: **A4** | AUTHOR: **AUNG KYAW KHAING**

Contact: "aungkyawkhaing96.ece@gmail.com" for more details

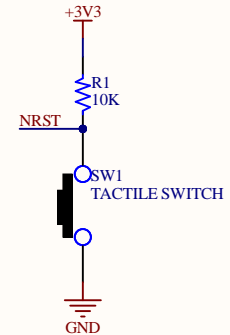
**AKK**  
ELECTRONICS

### [3] STM32F103 DEBUGGER/PROGRAMMER

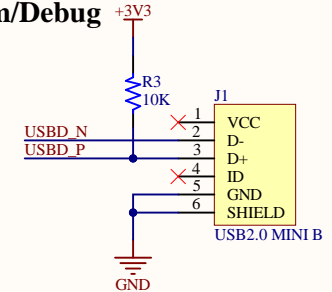
#### Debugger/Programmer



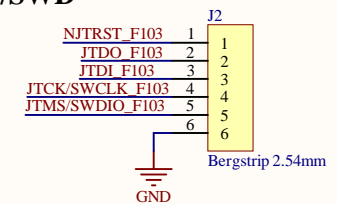
#### Reset STM32F103



#### USB2.0 for Program/Debug



#### STM32F103 JTAG/SWD



TITLE: **STM32 Mixed-Signal Board**

DOCUMENT NAME: **STM32F103 Debugger.SchDoc**

PROJECT CODE: **PJ\_V1.0**

Sheet **3** of **11**

SCALE 1:1 | TEMPLATE: **A4** | AUTHOR: **AUNG KYAW KHAING**

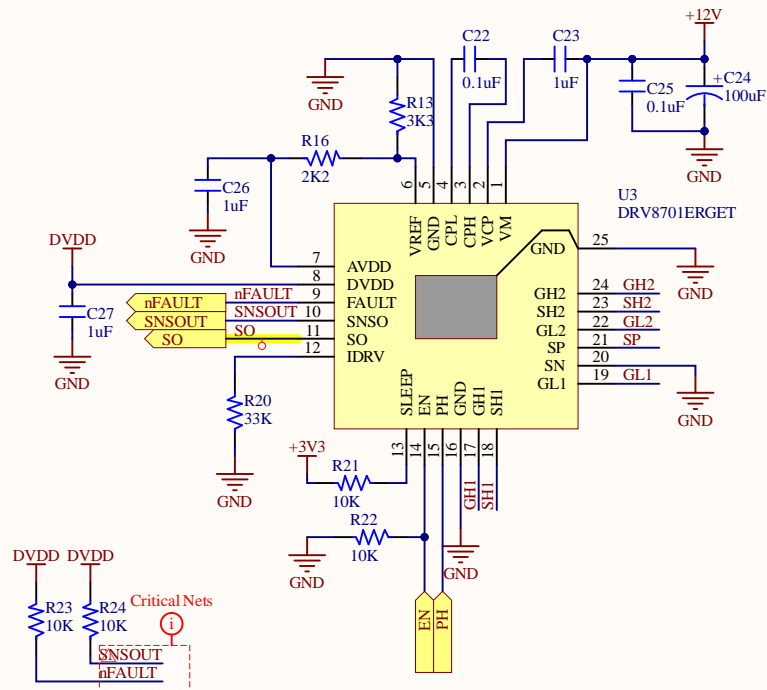
Contact: "aungkyawkhaing96.ece@gmail.com" for more details

**AKK**  
ELECTRONICS

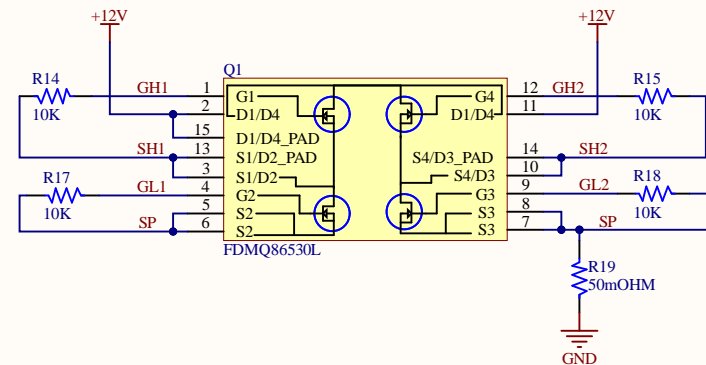


## [5] MOTOR DRIVER-1

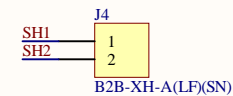
## Motor Driver DRV8701



## N-MOSFET



### Connector for Motor -1



TITLE: **STM32 Mixed-Signal Board**

DOCUMENT NAME: **Motor Driver-1.SchDoc**

PROJECT CODE: **PJ\_V1.0**

Sheet **5** of **11**

SCALE 1:1	TEMPLATE: A4	AUTHOR: AUNG KYAW KHAING
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**Contact: "aungkyawkhaing96.ece@gmail.com" for more details**



## 4

## A



## B

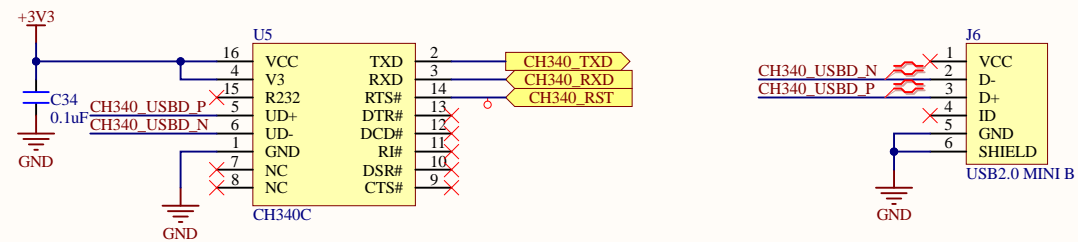


## C

4

[7] CH340C UART to USB Converter

CH340C Debugger and USB 2.0

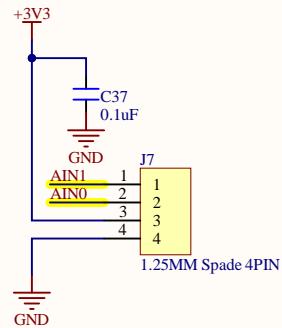


TITLE: <b>STM32 Mixed-Signal Board</b>	
DOCUMENT NAME: <b>CH340C.SchDoc</b>	
PROJECT CODE: <b>PJ_V1.0</b>	Sheet <b>7</b> of <b>11</b>
SCALE 1:1	TEMPLATE: <b>A4</b> AUTHOR: <b>AUNG KYAW KHAING</b>
Contact: "aungkyawkhaing96.ece@gmail.com" for more details	

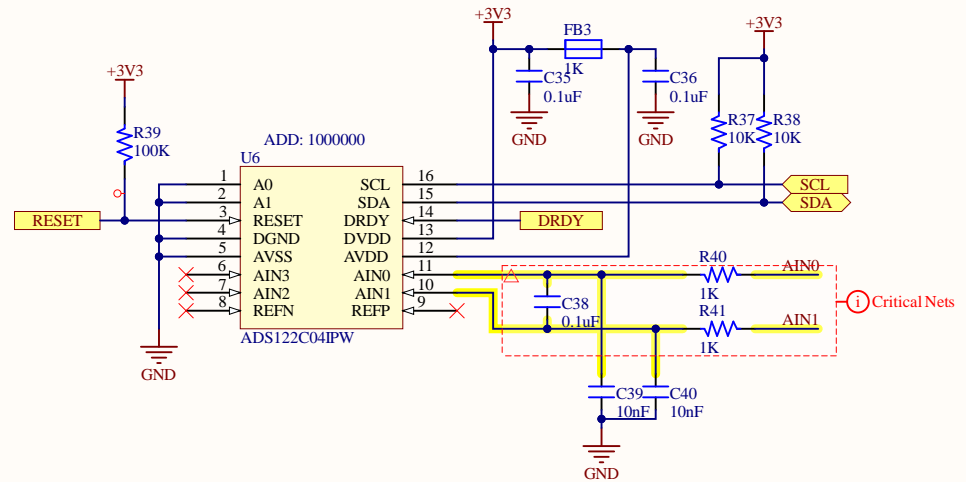


## [8] 24 Bit ADC For Load Cell

Connector for Load cell



24 Bit ADC Chip



TITLE: **STM32 Mixed-Signal Board**

DOCUMENT NAME: **ADC Chip.SchDoc**

PROJECT CODE: **PJ\_V1.0**

Sheet **8** of **11**

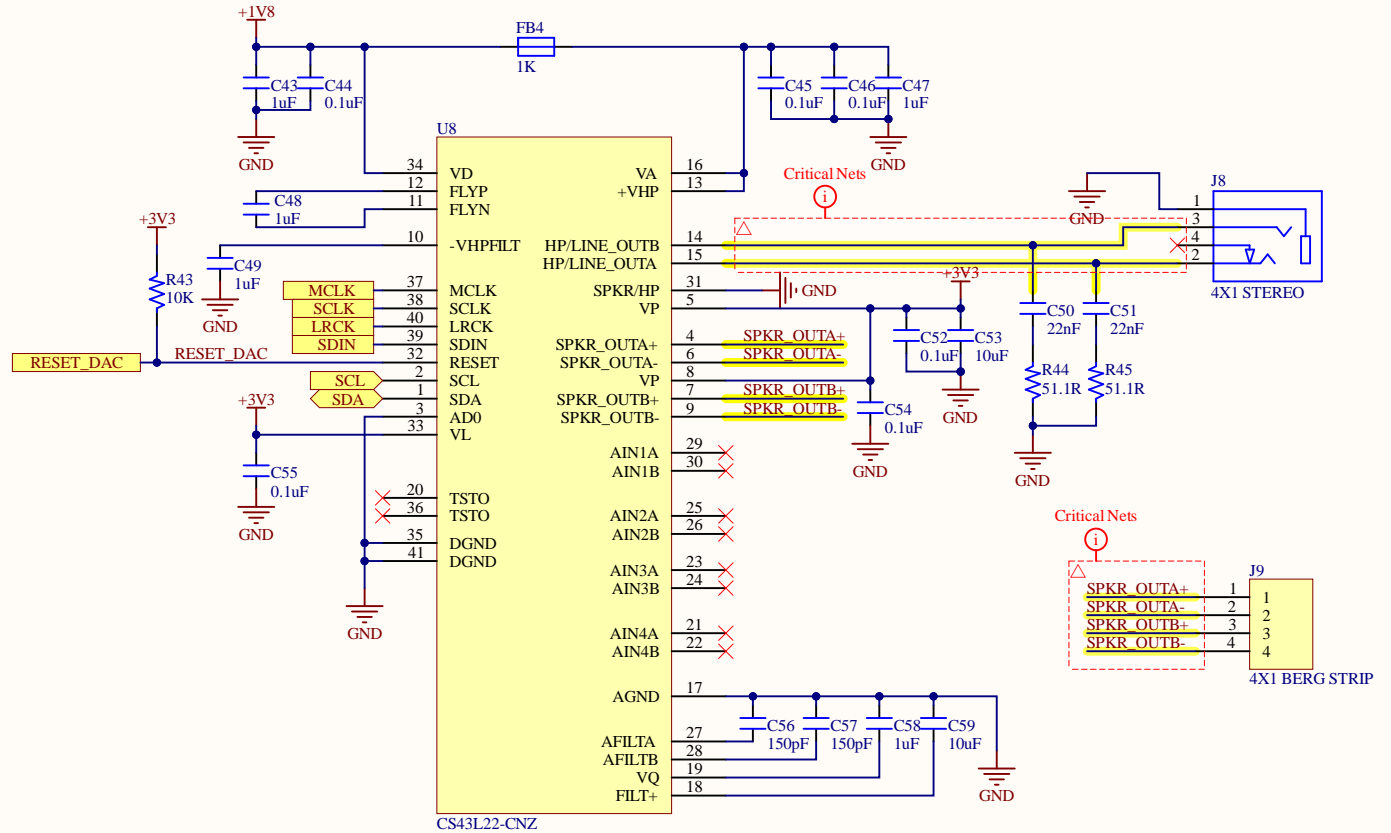
SCALE 1:1 | TEMPLATE: **A4** | AUTHOR: **AUNG KYAW KHAING**

Contact: "aungkyawkhaing96.ece@gmail.com" for more details





## [9] DAC and MIC



TITLE: **STM32 Mixed-Signal Board**

DOCUMENT NAME: **DAC and MIC.SchDoc**

PROJECT CODE: **PJ\_V1.0**

Sheet 9 of 11

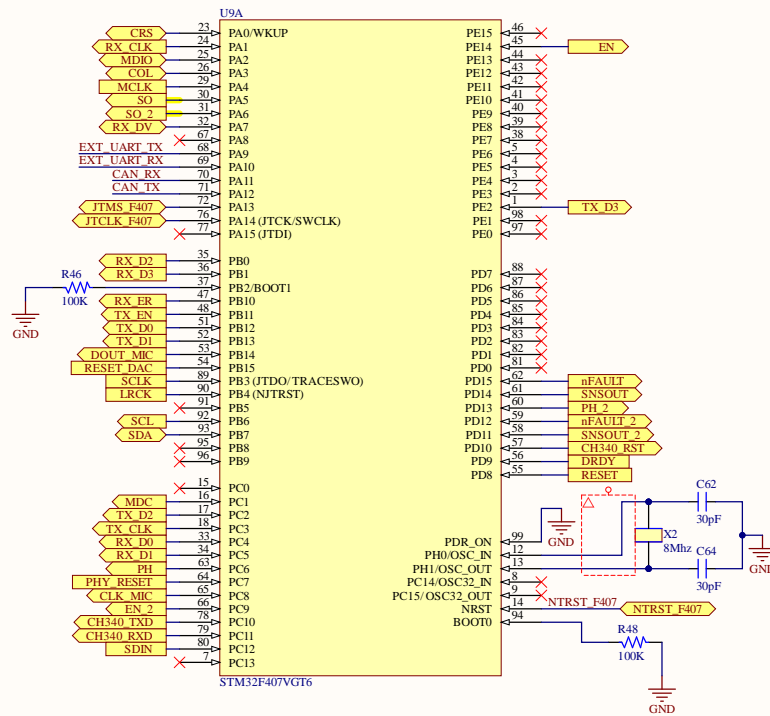
SCALE 1:1	TEMPLATE: A4	AUTHOR: AUNG KYAW KHAING
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**Contact: "aungkyawkhaing96.ece@gmail.com" for more details**

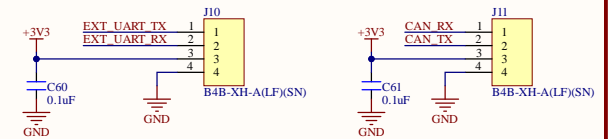


# [10] STM32F407 MAIN CONTROLLER

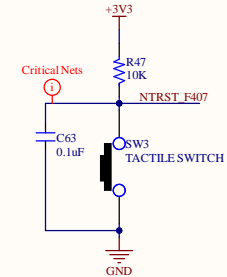
## STM32F407 Main Controller



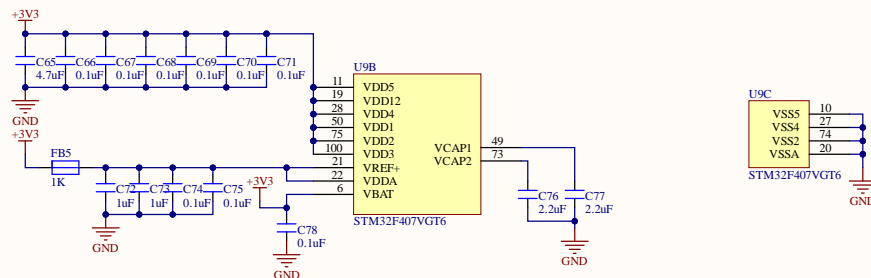
## UART and CAN Connector



## Reset for Main Controller



## STM32F407 Main Controller



TITLE: STM32 Mixed-Signal Board

DOCUMENT NAME: STM32F407 Controller.SchDoc

PROJECT CODE: PJ\_V1.0

Sheet 10 of 11

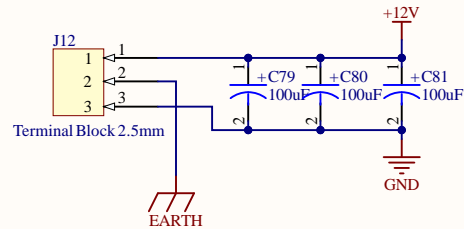
SCALE 1:1 | TEMPLATE: A3 | AUTHOR: AUNG KYAW KHAING

Contact: "aungkyawkhaing96.ece@gmail.com" for more details

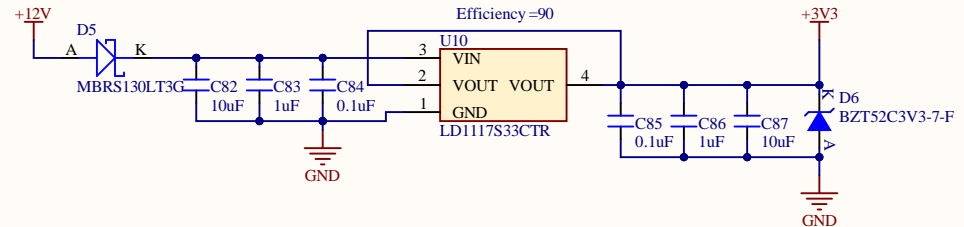


# [11] POWER SUPPLY

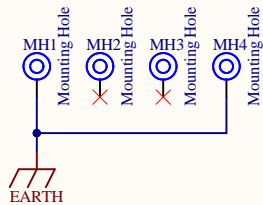
## I/P Power Connector



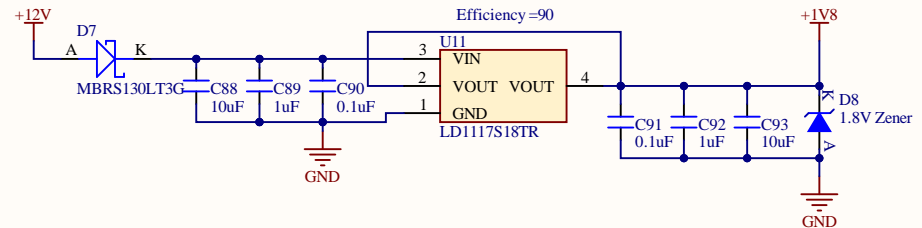
## +3V3 Regulator



## Mounting Holes



## +1V8 Regulator



TITLE: **STM32 Mixed-Signal Board**

DOCUMENT NAME: **Power Regulator.SchDoc**

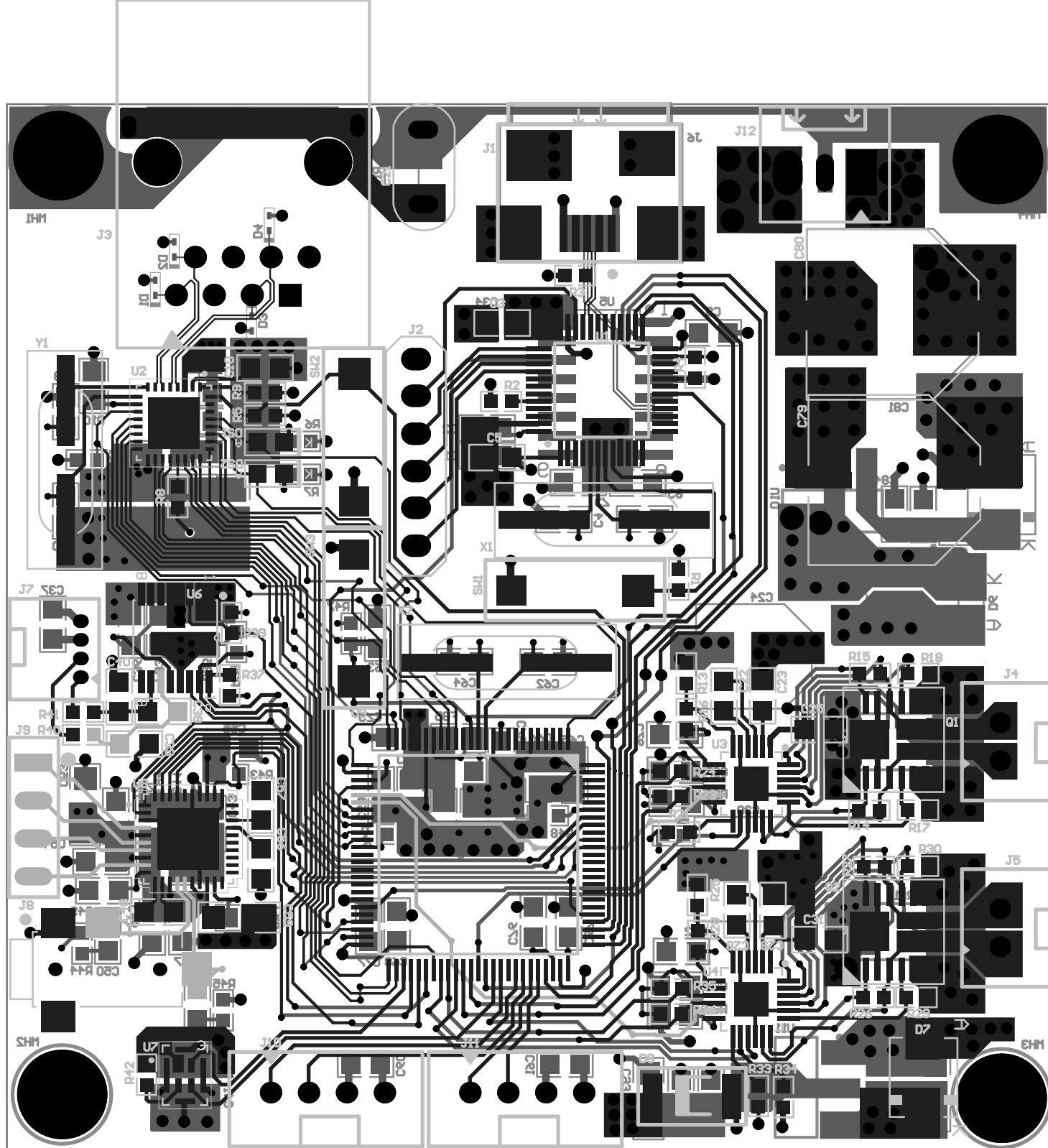
PROJECT CODE: **PJ\_V1.0**

Sheet **11** of **11**

SCALE 1:1 | TEMPLATE: **A4** | AUTHOR: **AUNG KYAW KHAING**

Contact: "aungkyawkhaing96.ece@gmail.com" for more details





[illegible]