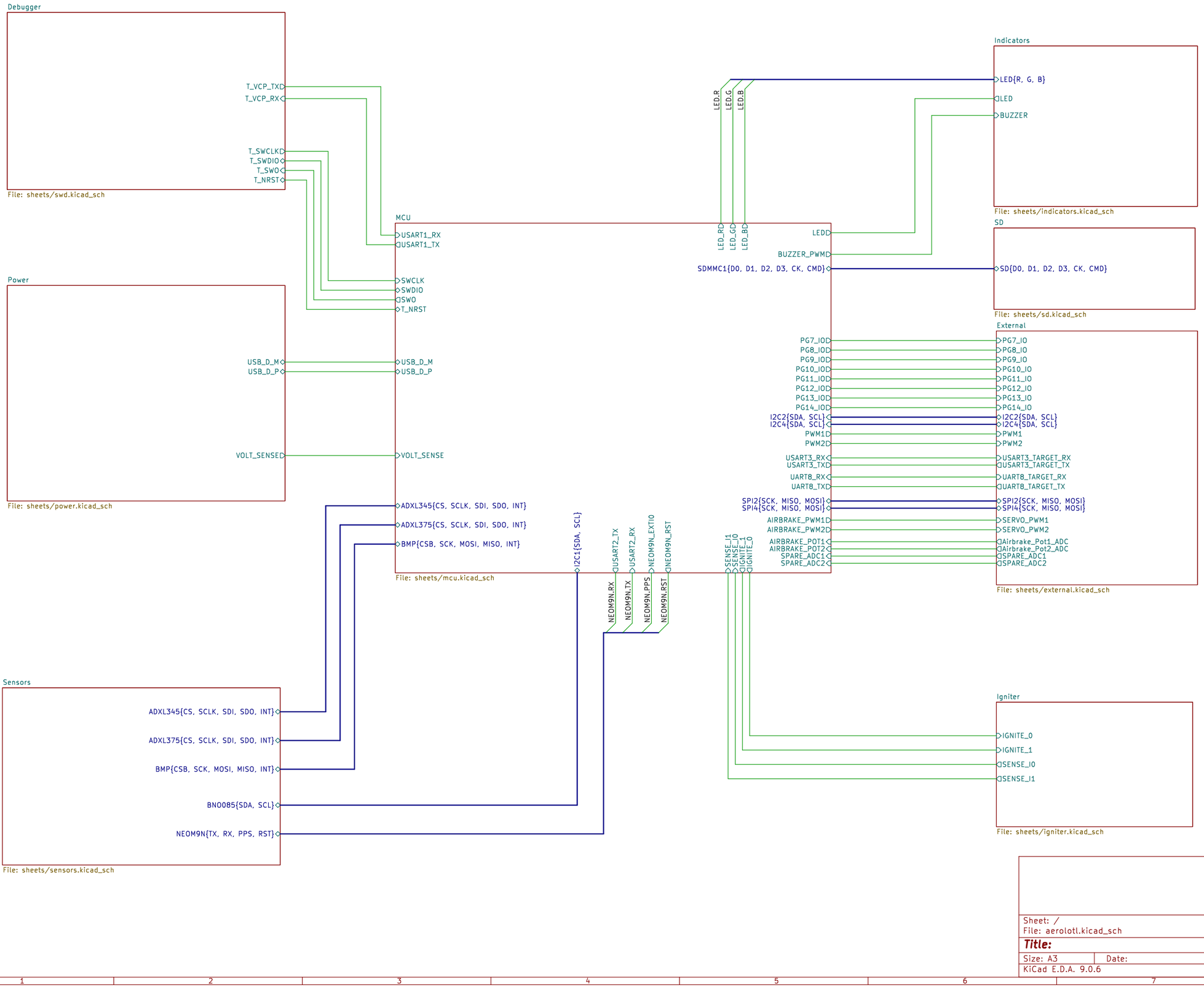

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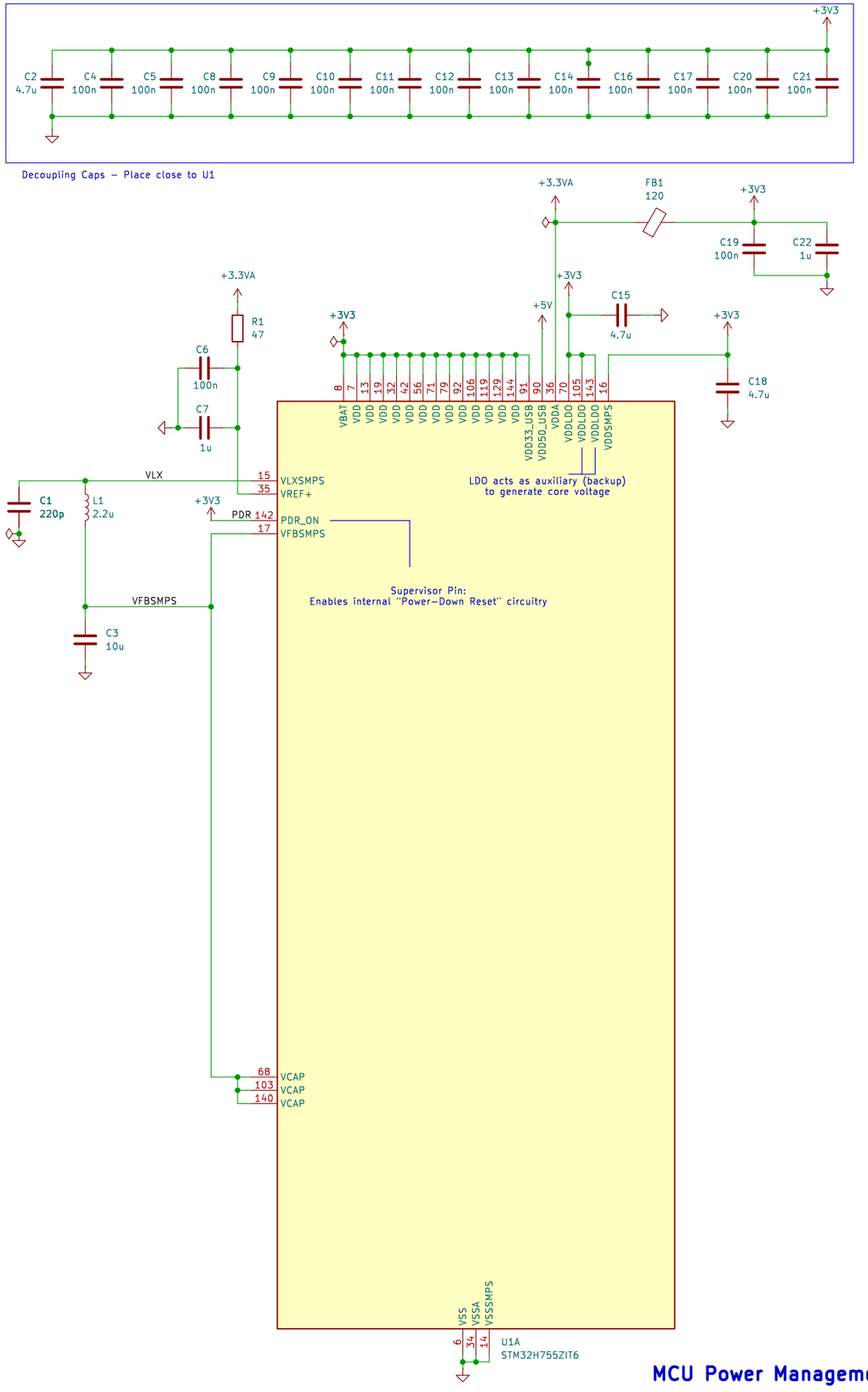
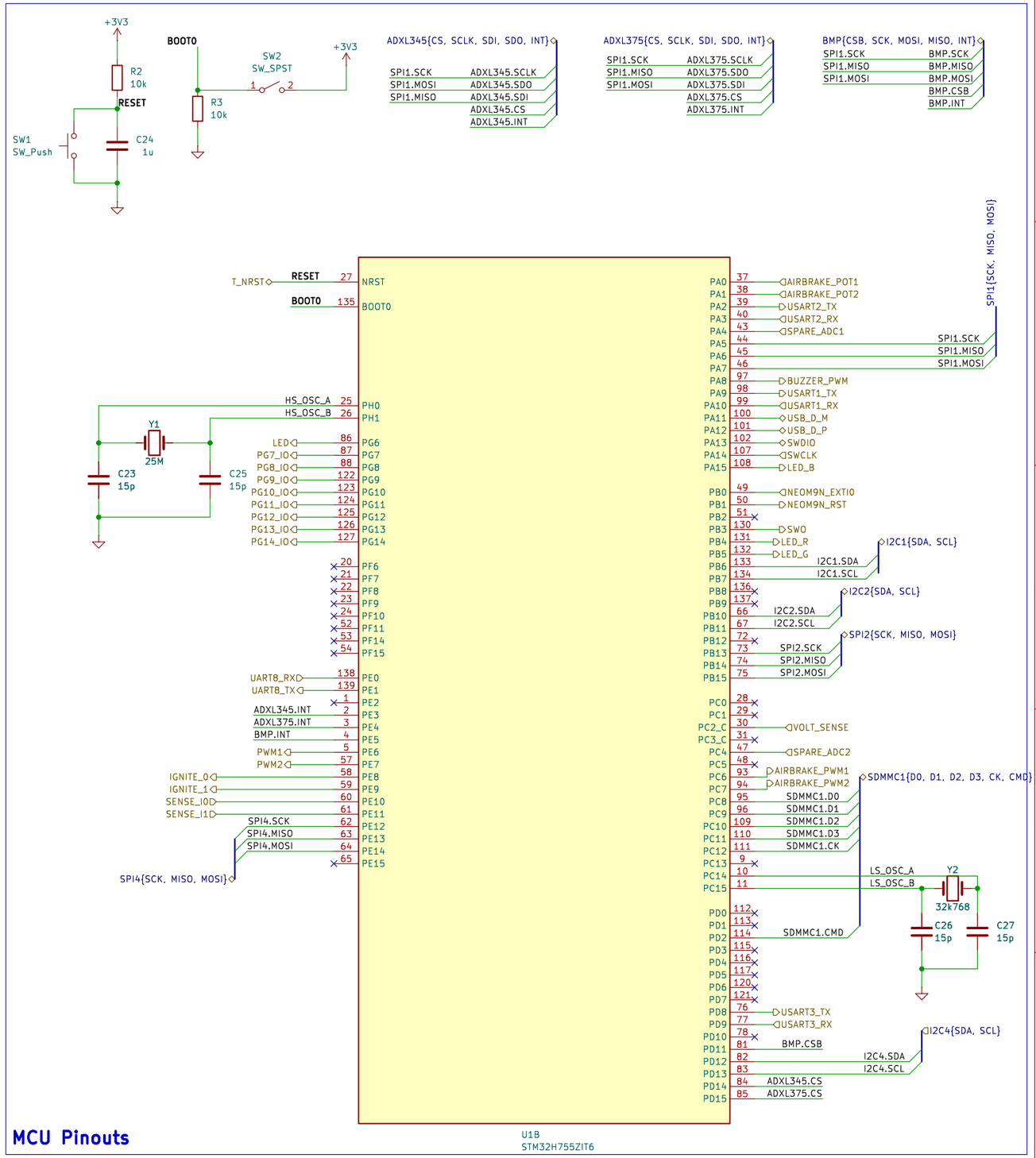
Size: A3	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 1/9





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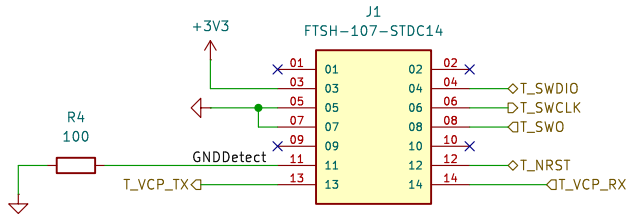
	Id: 2/9



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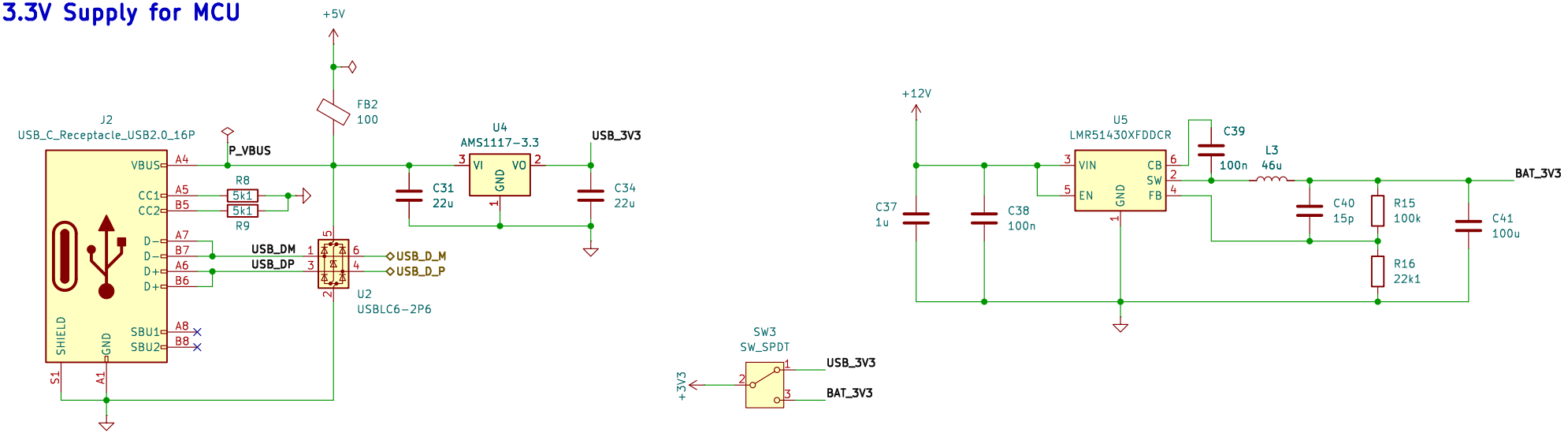
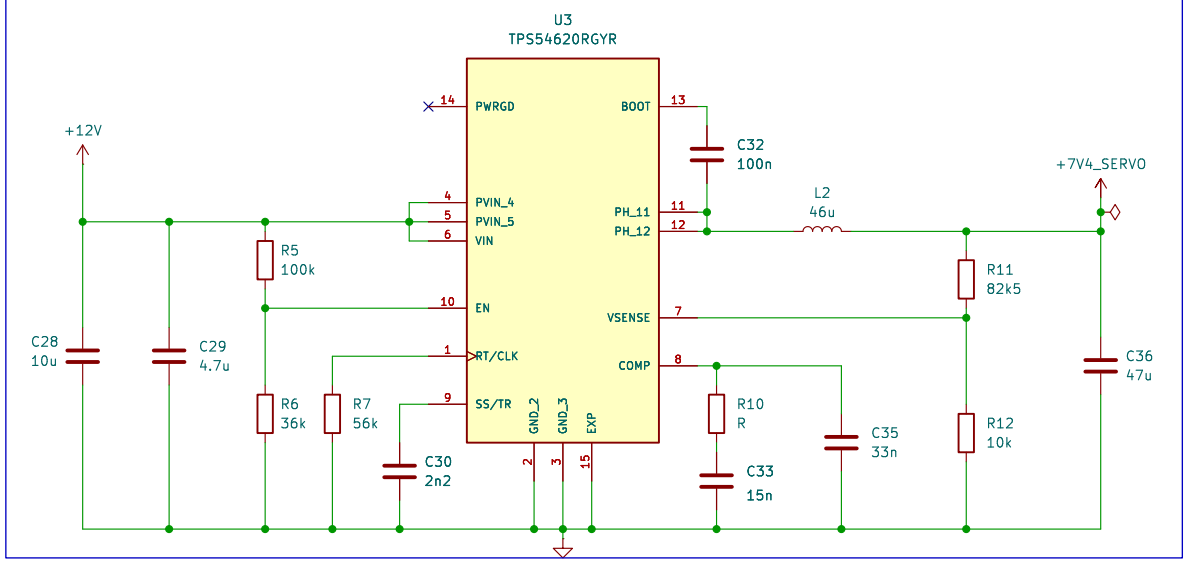
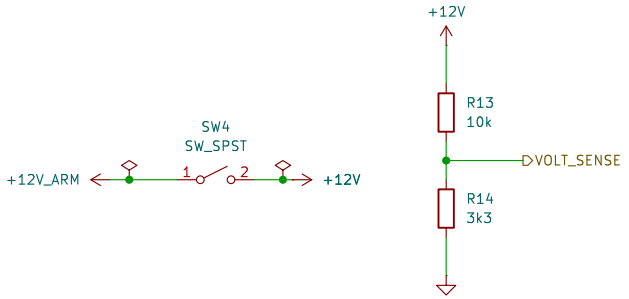
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 3/9

3.3V Supply for MCU



12V to 7.4V Stepdown





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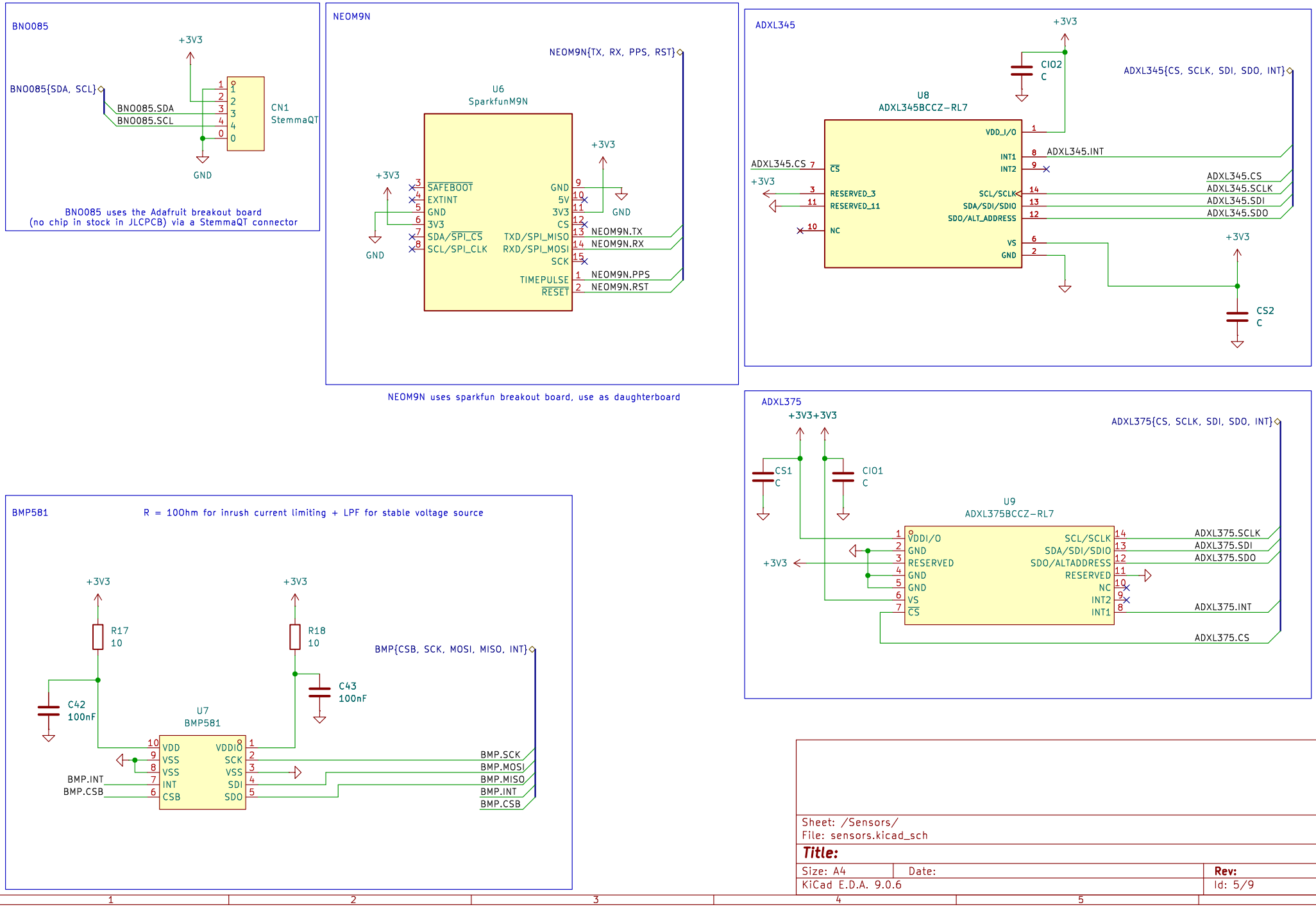
KiCad E.D.A. 9.0.6		Id: 4/9



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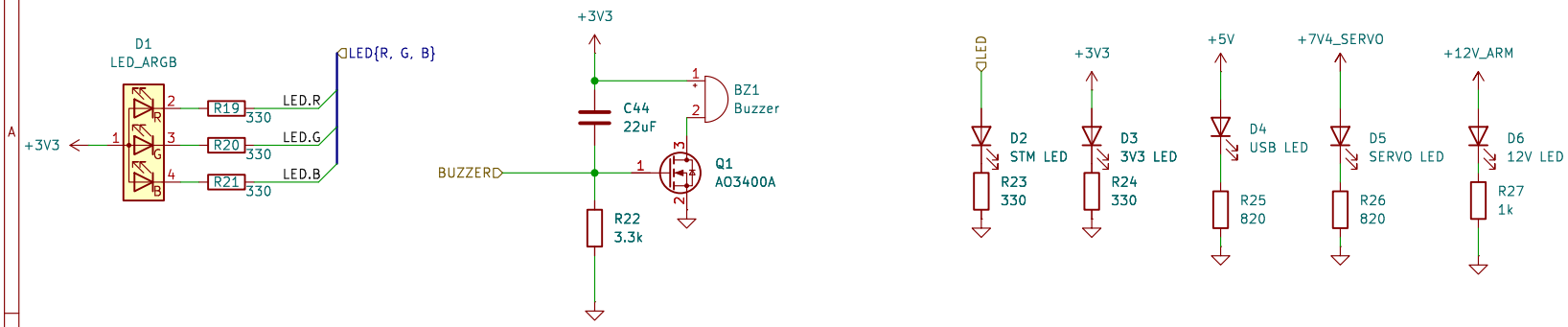
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 5/9



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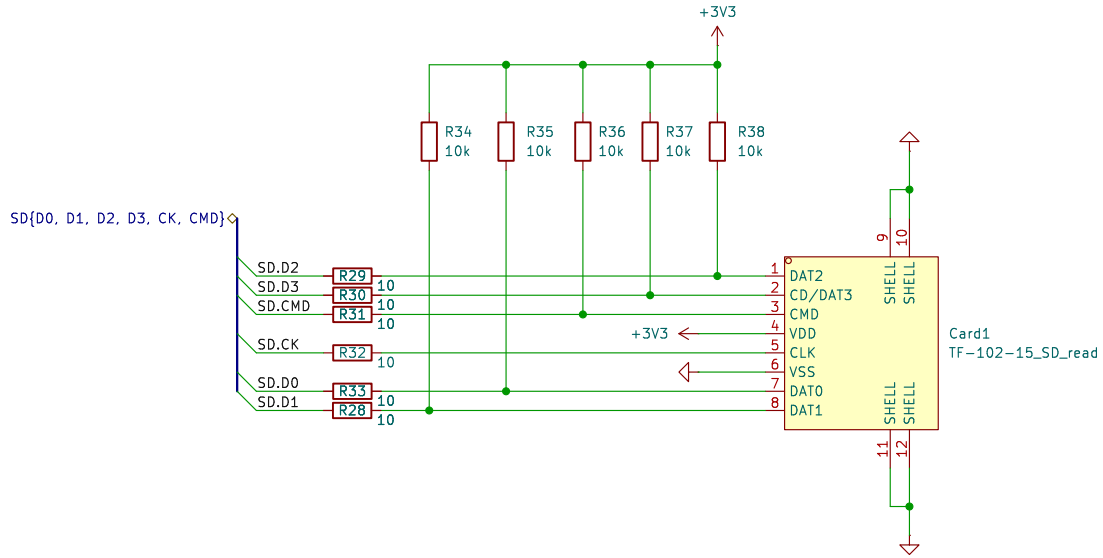
KiCad E.D.A. 9.0.6		Id: 6/9



Note: make trace length short (< 2 inch from MCU to sd card reader)

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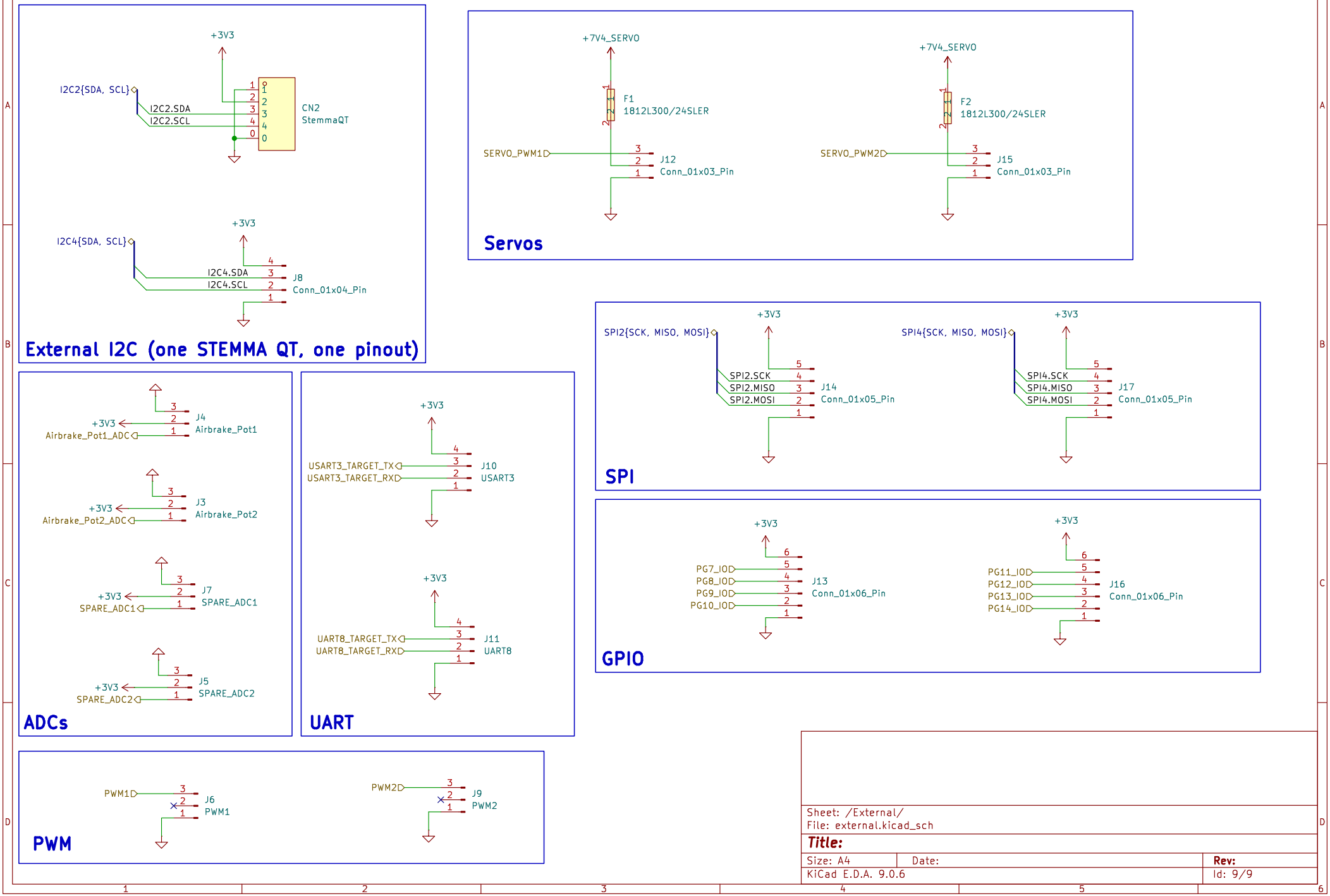
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 8/9


External I2C (one STEMMA QT, one pinout)
+3V3
I2C2{SDA, SCL}
I2C2.SDA
I2C2.SCL
CN2
StemmaQT
I2C4{SDA, SCL}
I2C4.SDA
I2C4.SCL
J8
Conn_01x04_Pin
Servos
+7V4_SERVO
F1
1812L300/24SLER
SERVO_PWM1
J12
Conn_01x03_Pin
F2
SERVO_PWM2
J15
SPI
SPI2{SCK, MISO, MOSI}
SPI2.SCK
SPI2.MISO
SPI2.MOSI
J14
Conn_01x05_Pin
SPI4{SCK, MISO, MOSI}
SPI4.SCK
SPI4.MISO
SPI4.MOSI
J17
GPIO
PG7_IO
PG8_IO
PG9_IO
PG10_IO
J13
Conn_01x06_Pin
PG11_IO
PG12_IO
PG13_IO
PG14_IO
J16
ADCs
Airbrake_Pot1_ADC
J4
Airbrake_Pot1
Airbrake_Pot2_ADC
J3
Airbrake_Pot2
SPARE_ADC1
J7
SPARE_ADC1
SPARE_ADC2
J5
SPARE_ADC2
UART
USART3_TARGET_TX
USART3_TARGET_RX
J10
USART3
UART8_TARGET_TX
UART8_TARGET_RX
J11
UART8
PWM
PWM1
J6
PWM1
PWM2
J9
PWM2
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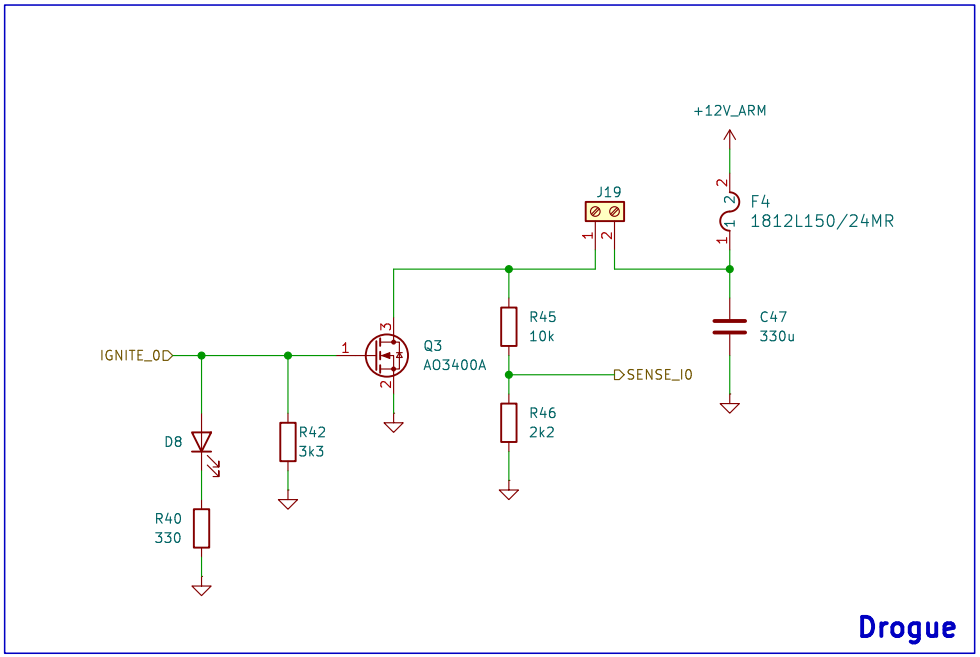
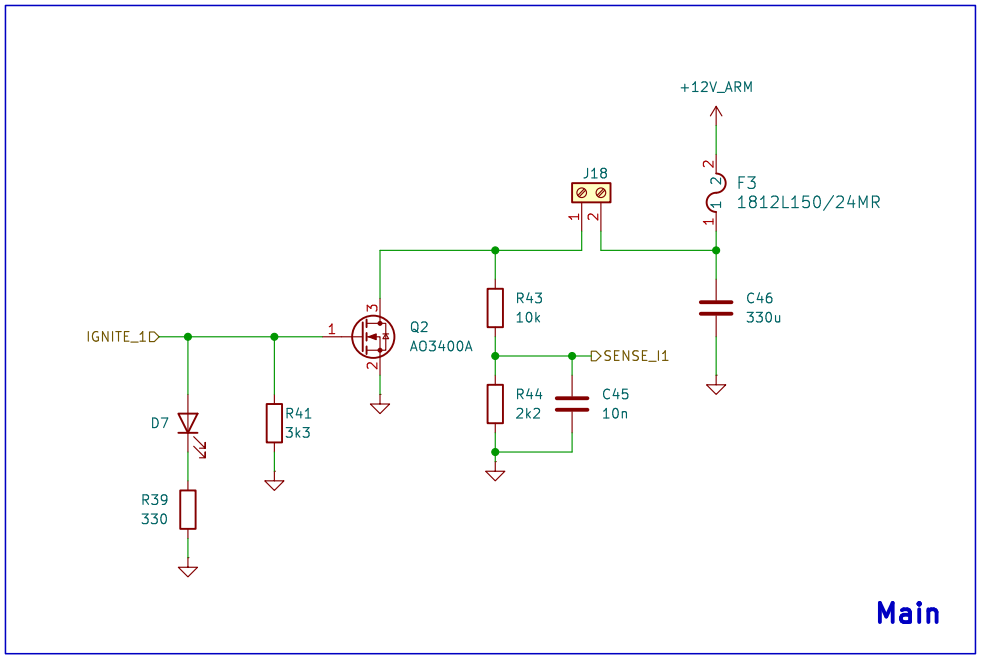
KiCad E.D.A. 9.0.6
Id: 9/9





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Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 10/9