

Sheet: Sheet60A23886

Buck Converter to convert
+8V down to +5V/+3.3V

File: 5V Buck Converter.sch

Sheet: Sheet60A2E58A

EN_MTRS

Motor 1 Control Signals

IN_1

IN_2

PWM_A

Motor 2 Control Signals

IN_3

IN_4

PWM_B

S1

S2

S3

S4

Encoder Feedback Signals
From both motors

S1/S2: Motor 1

S3/S4: Motor 2

File: Microcontroller.sch

Sheet: Motor_Driver

EN

IN1

IN2

PWM_A

IN3

IN4

PWM_B

S1

S2

S3

S4

File: MotorDriver.sch

Sheet: /
File: AtlasPD.sch

Title:

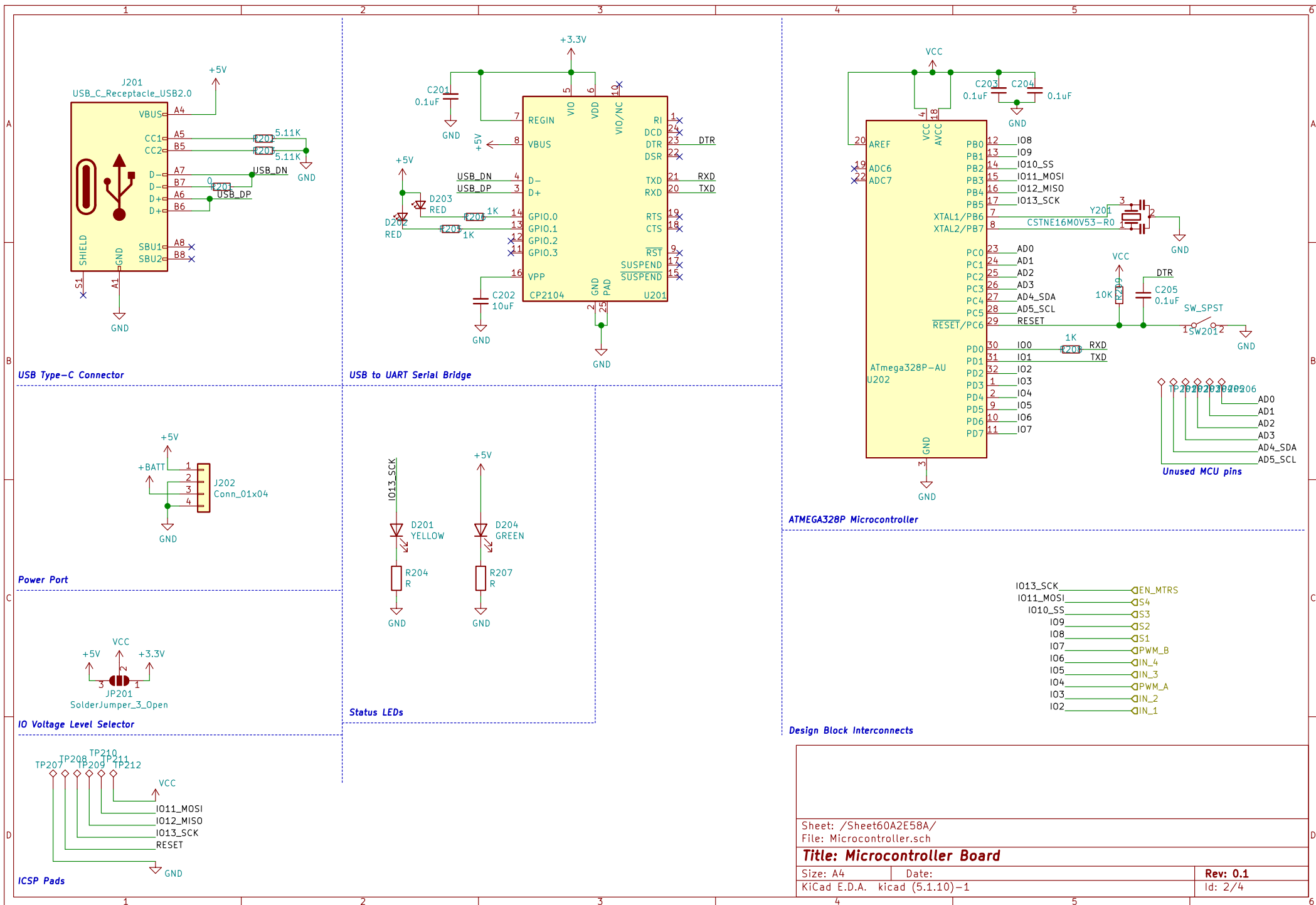
Size: A4

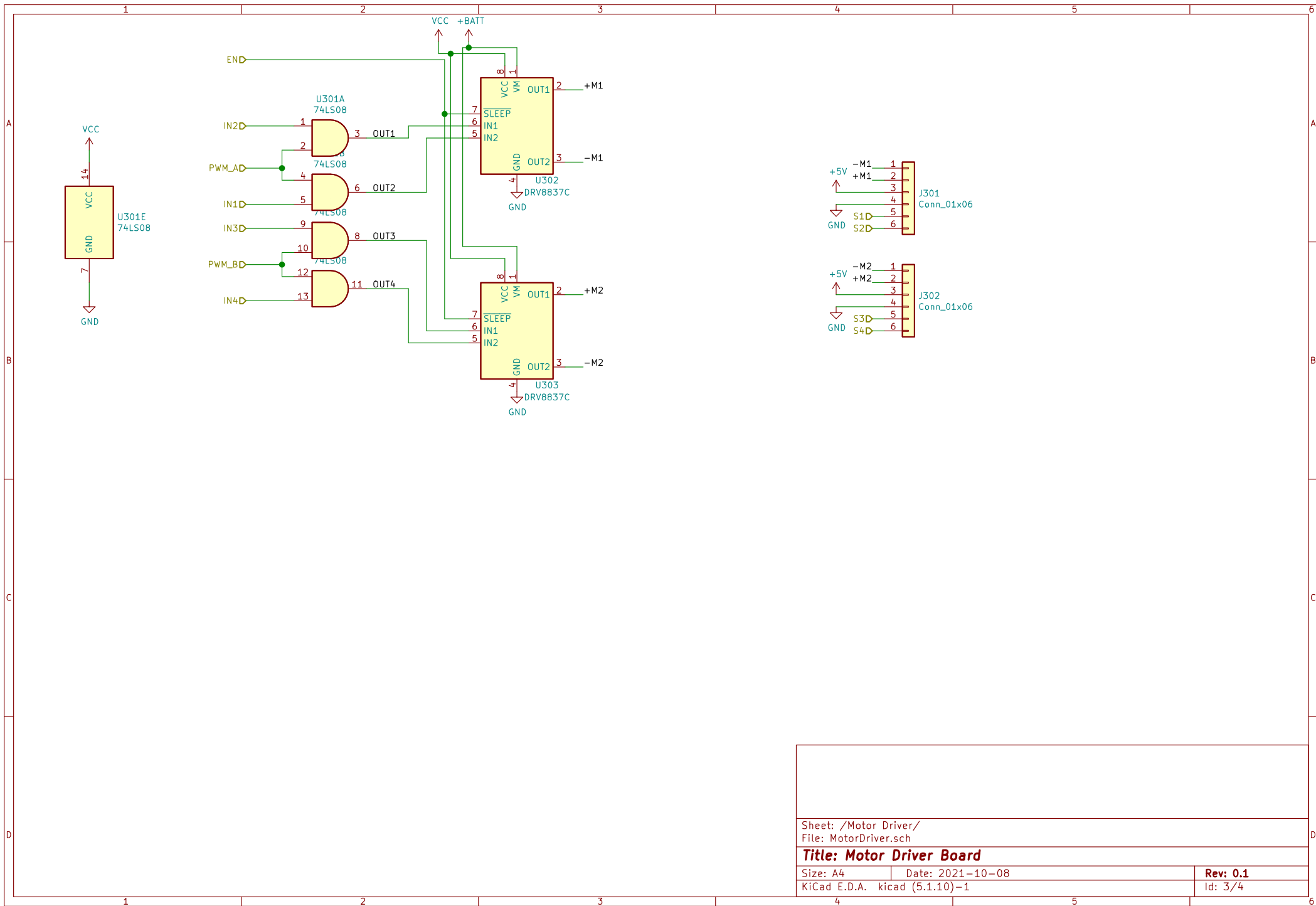
Date:

KiCad E.D.A. kicad (5.1.10)-1

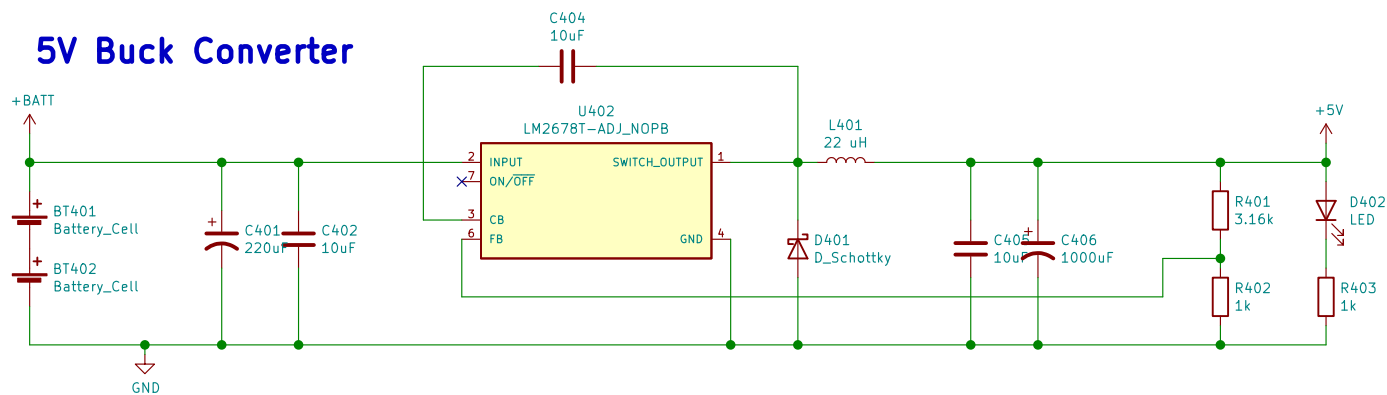
Rev:

Id: 1/4

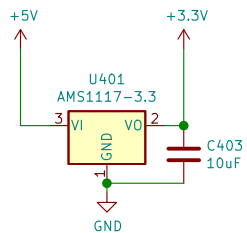




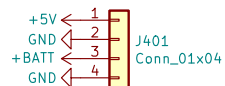
5V Buck Converter



3.3V LDO



Power Output Connector



Manpreet Singh

Sheet: /Sheet60A23886/
File: 5V Buck Converter.sch

Title: Atlas Power Board

Size: A4 Date: 2021-10-08

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Rev: 0.2

Id: 4/4