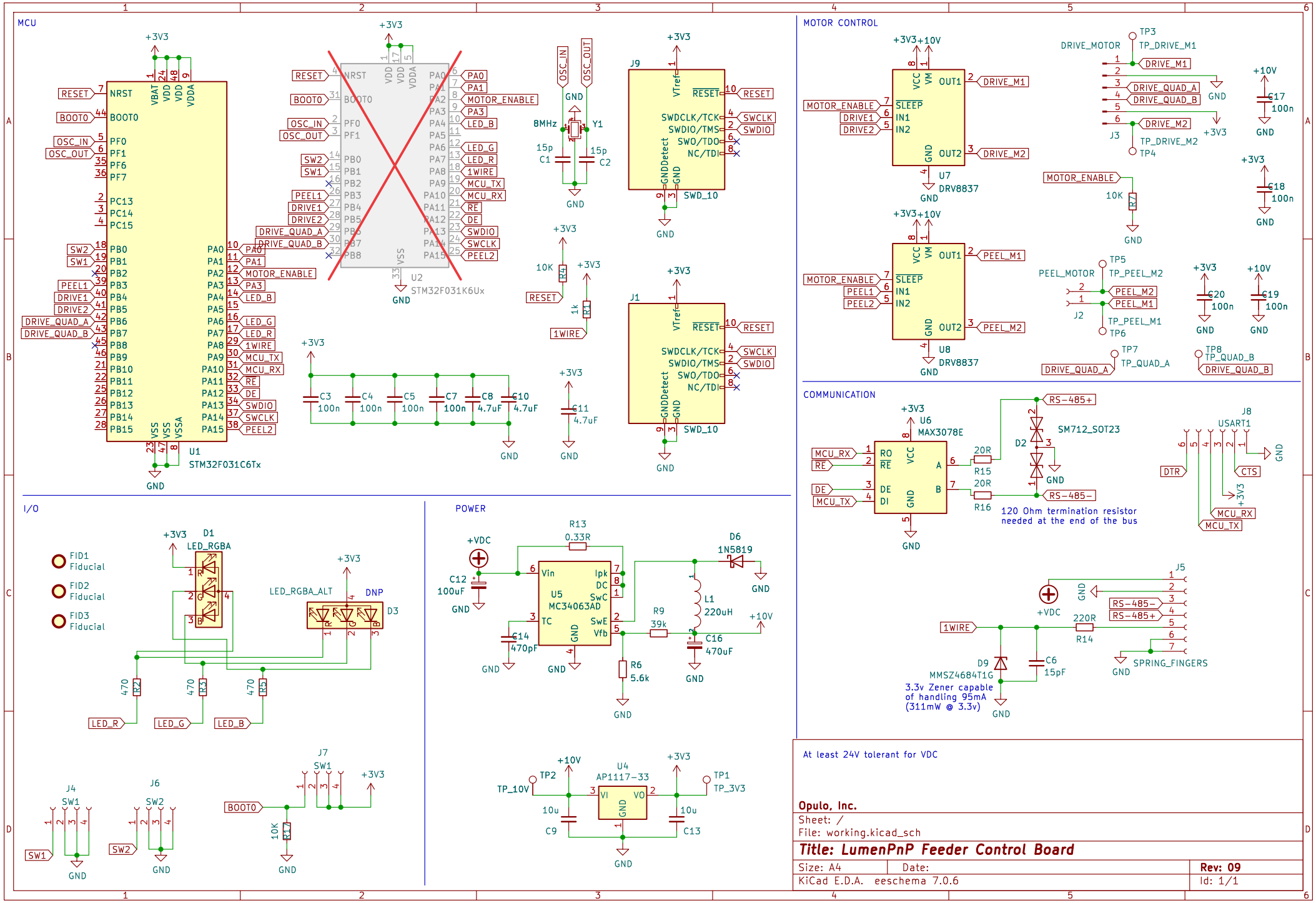
MCU
U1
STM32F031C6Tx
U2
STM32F031K6Ux
MOTOR CONTROL
U7
DRV8837
U8
DRV8837
COMMUNICATION
U6
MAX3078E
SM712_SOT23
120 Ohm termination resistor needed at the end of the bus
I/O
D1
LED_RGBA
LED_RGBA_ALT
DNP
FID1 Fiducial
FID2 Fiducial
FID3 Fiducial
POWER
U5
MC34063AD
D6
1N5819
L1
220uH
U4
AP1117-33
D9
MMSZ4684T1G
3.3v Zener capable of handling 95mA (311mW @ 3.3v)
SPRING_FINGERS
J9
J1
J8
USART1
J5
J3
J2
J4
J6
J7
Y1
8MHz
At least 24V tolerant for VDC
Opulo, Inc.
Sheet: /
File: working.kicad_sch
Title: LumenPnP Feeder Control Board
Size: A4
Date:
Rev: 09
KiCad E.D.A. eeschema 7.0.6
Id: 1/1