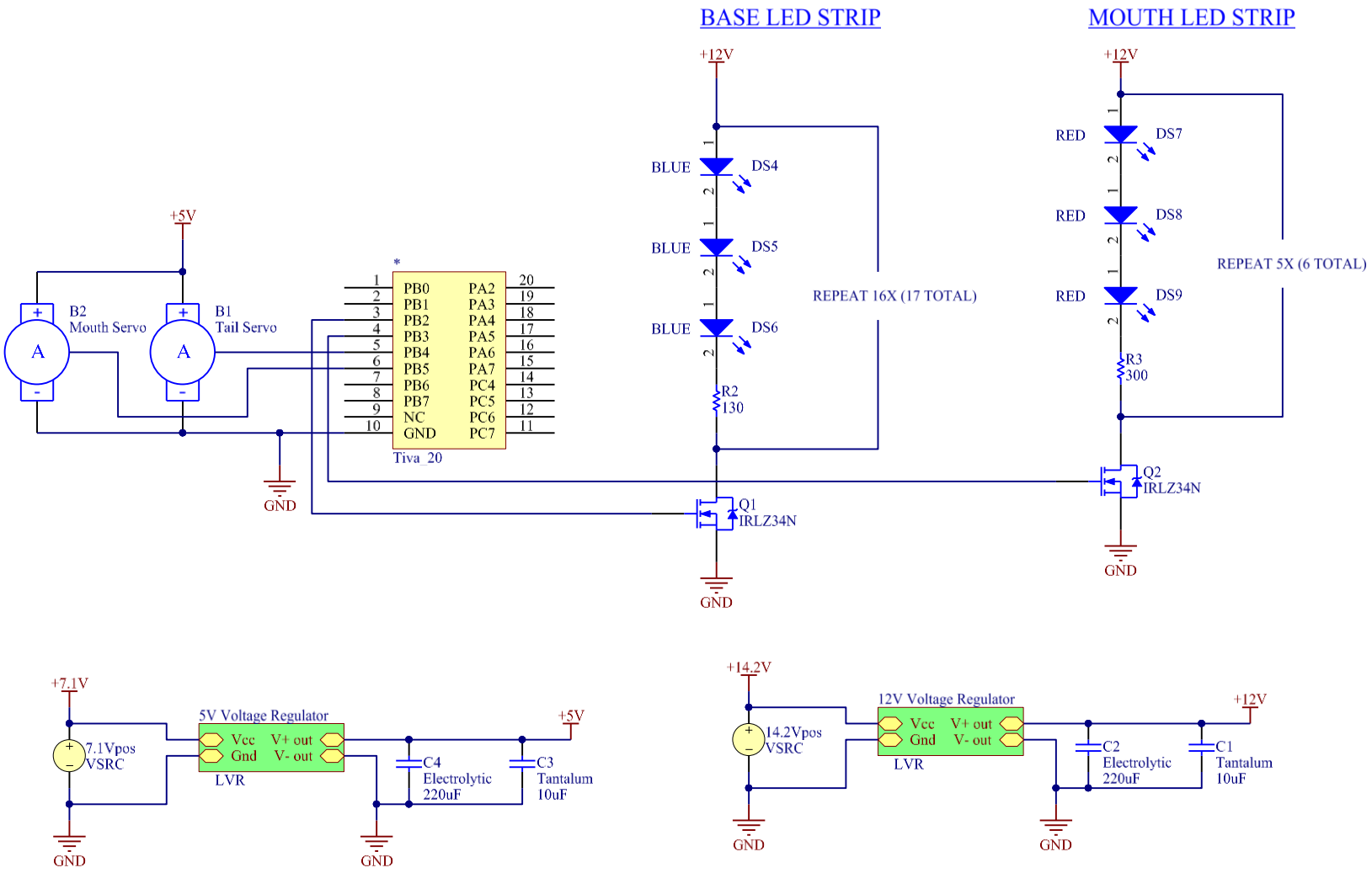
BASE LED STRIP
MOUTH LED STRIP
+12V
+5V
B2
Mouth Servo
B1
Tail Servo
A
A
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
NC
GND
PA2
PA3
PA4
PA5
PA6
PA7
PC4
PC5
PC6
PC7
Tiva_20
BLUE
DS4
DS5
DS6
R2
130
REPEAT 16X (17 TOTAL)
Q1
IRLZ34N
RED
DS7
DS8
DS9
R3
300
REPEAT 5X (6 TOTAL)
Q2
IRLZ34N
GND
+7.1V
7.1Vpos
VSRC
5V Voltage Regulator
Vcc
Gnd
V+ out
V- out
LVR
C4
Electrolytic
220uF
C3
Tantalum
10uF
+14.2V
14.2Vpos
VSRC
12V Voltage Regulator
C2
Electrolytic
220uF
C1
Tantalum
10uF