

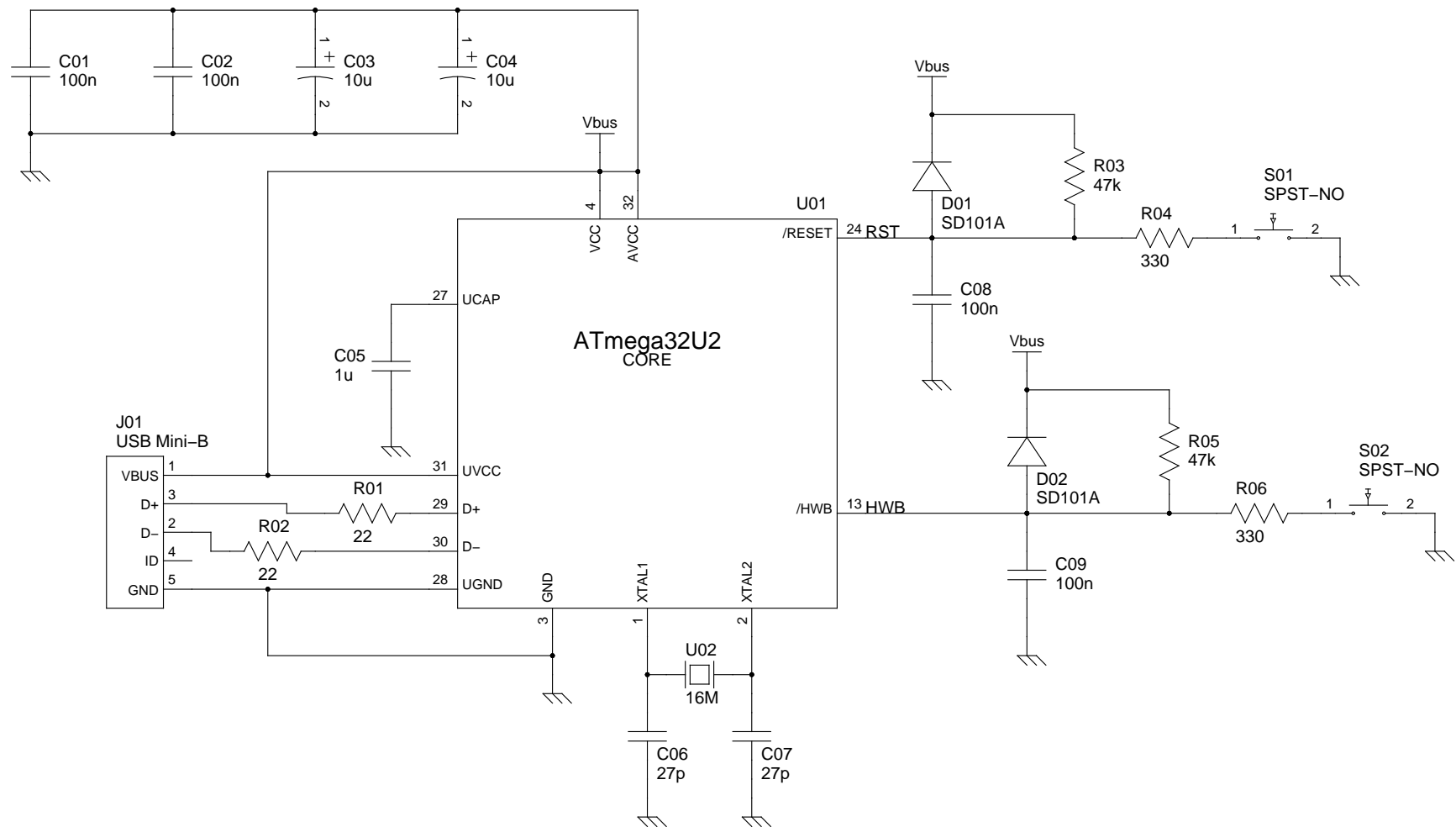
TITLE **SCB | Overview**

FILE: 01-overview.sch

REVISION: 1.1

PAGE **1** OF **10**

DRAWN BY: Bradley Worley



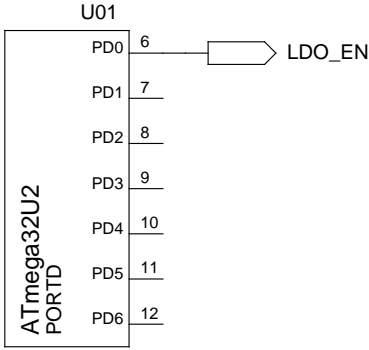
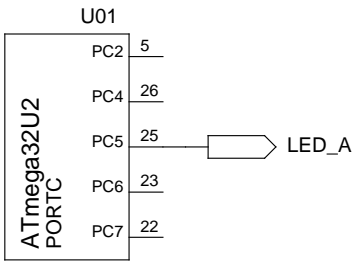
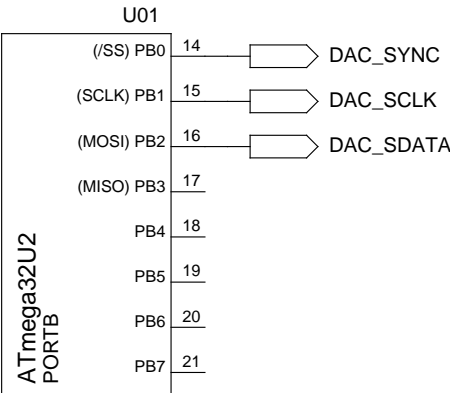
TITLE **SCB | Microcontroller Core**

FILE: 02-mcu-core.sch

REVISION: 1.0

PAGE 2 OF 10

DRAWN BY: Bradley Worley



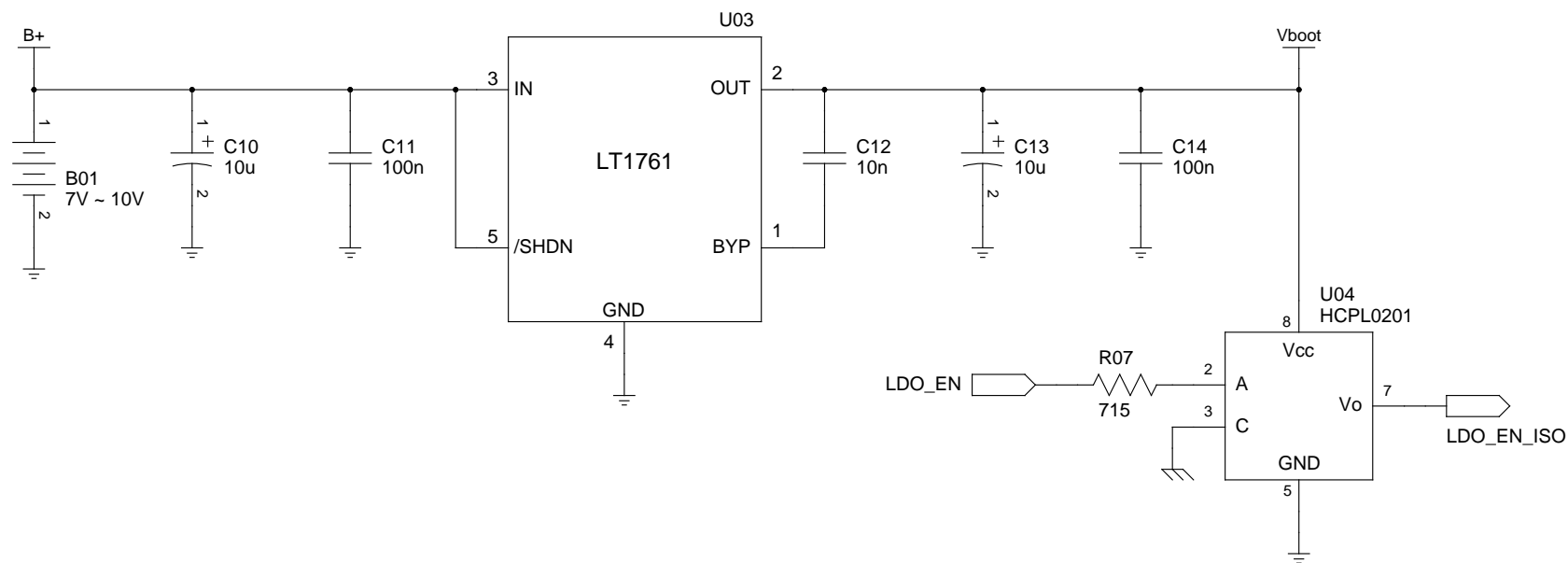
TITLE SCB | Microcontroller I/O Ports

FILE: 03-mcu-ports.sch

REVISION: 1.0

PAGE 3 OF 10

DRAWN BY: Bradley Worley



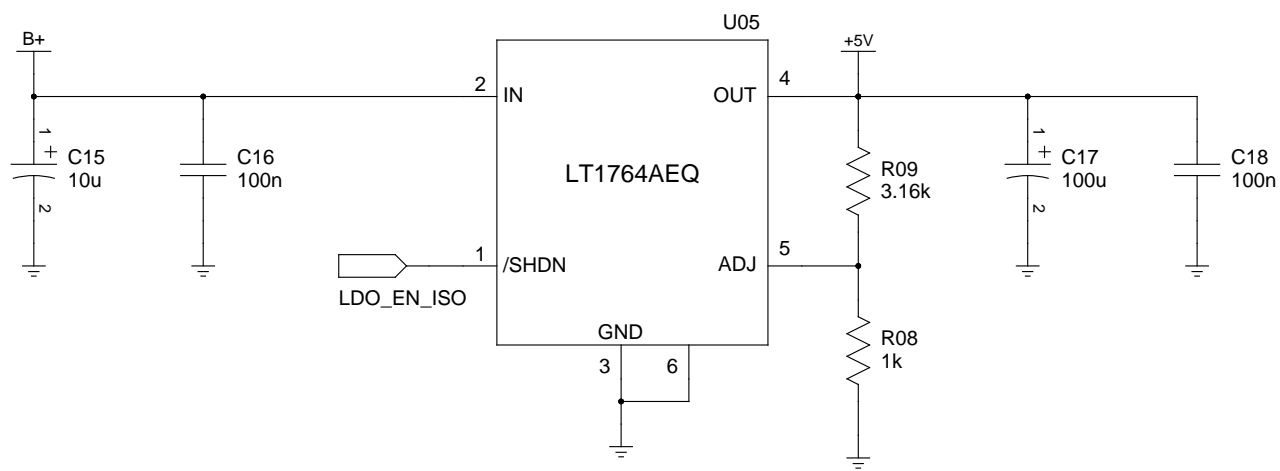
TITLE **SCB | Bootstrap +5V Regulator**

FILE: 04-bootstrap.sch

REVISION: 1.1

PAGE 4 OF 10

DRAWN BY: Bradley Worley



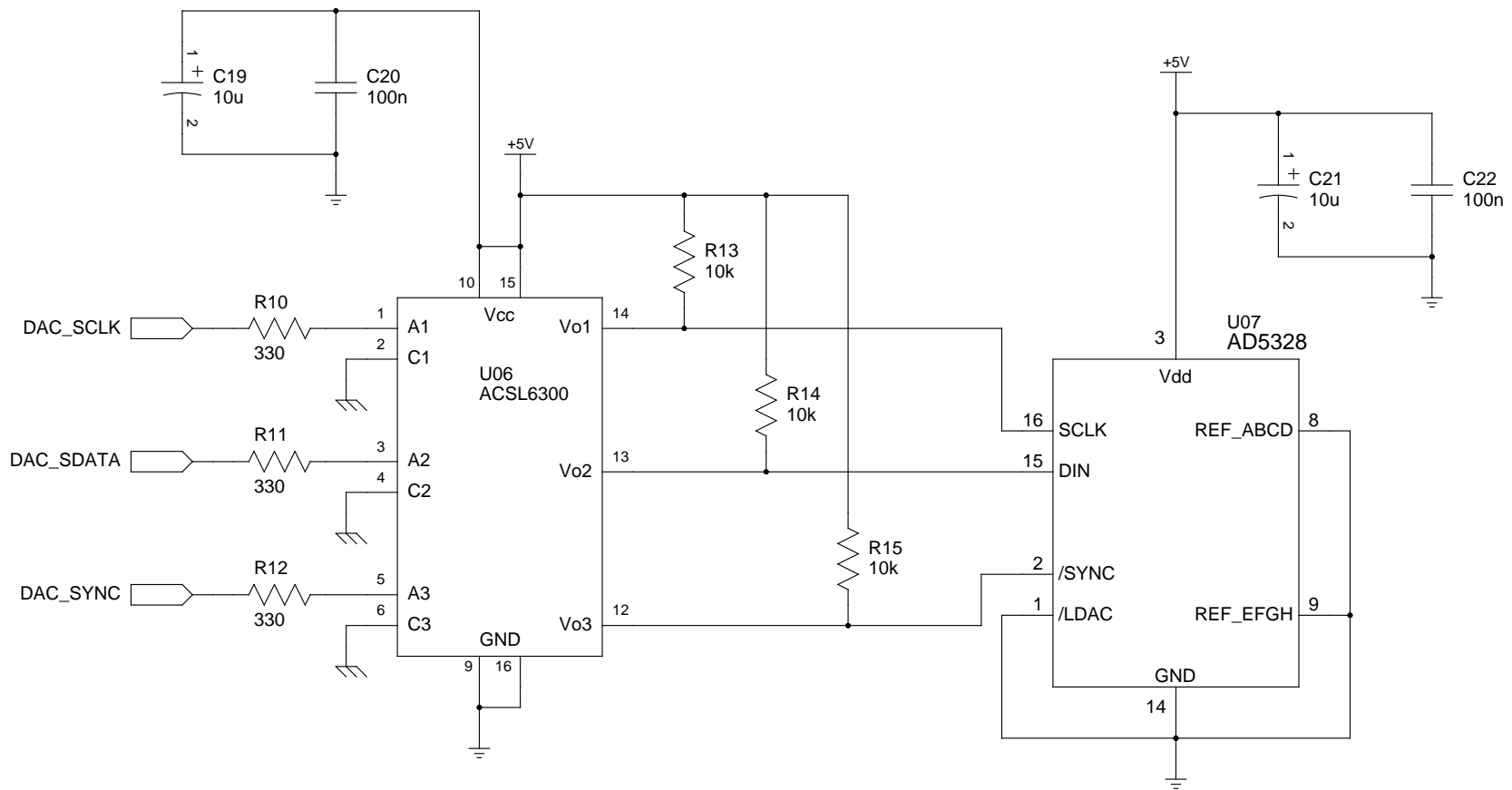
TITLE **SCB | High-current +5V Regulator**

FILE: 05-lldo.sch

REVISION: 1.0

PAGE 5 OF 10

DRAWN BY: Bradley Worley



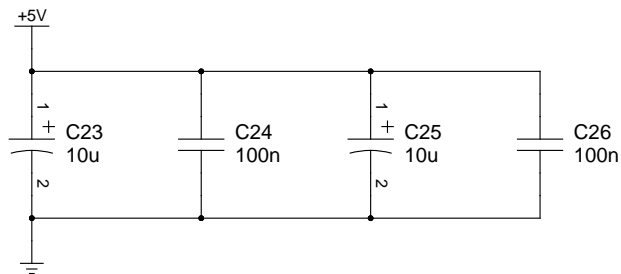
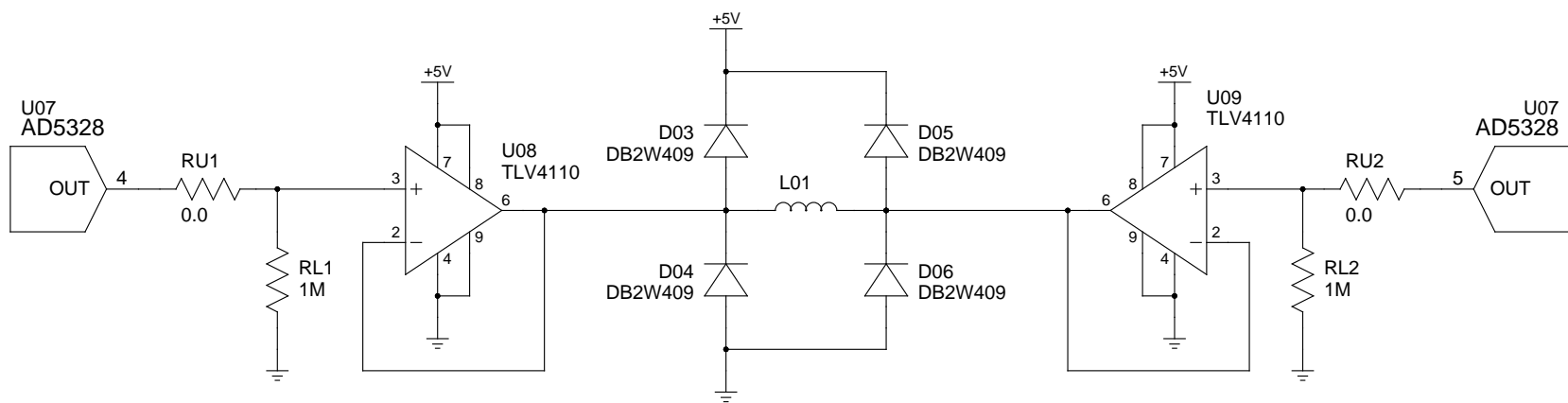
TITLE **SCB | Digital-to-Analog Converter**

FILE: 06-dac.sch

REVISION: 1.2

PAGE 6 OF 10

DRAWN BY: Bradley Worley



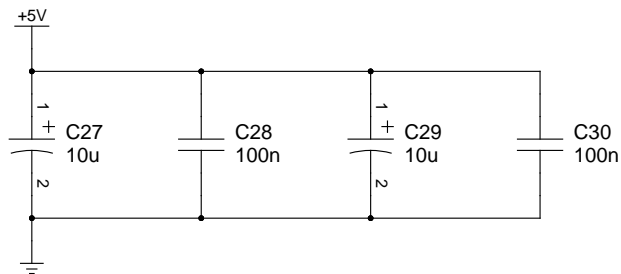
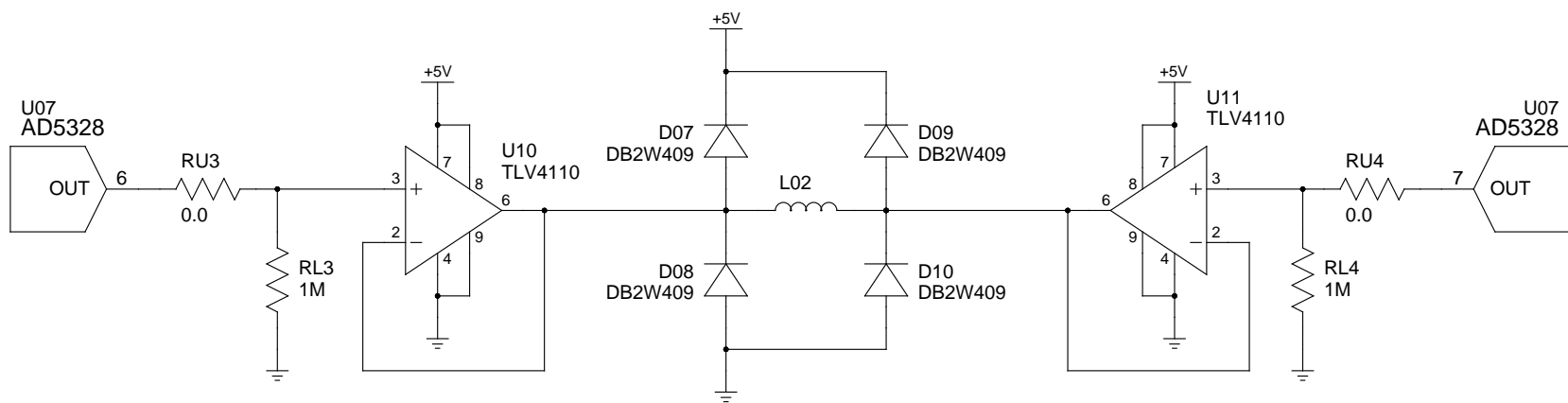
TITLE **SCB | Buffer (X-axis)**

FILE: 07-buf-x.sch

REVISION: 1.2

PAGE 7 OF 10

DRAWN BY: Bradley Worley



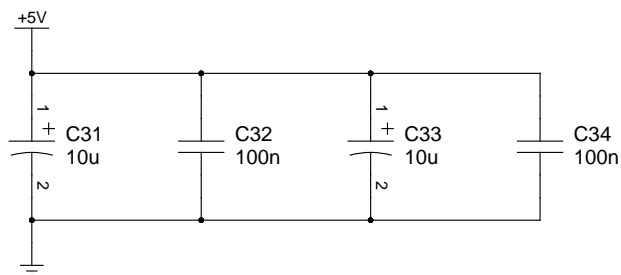
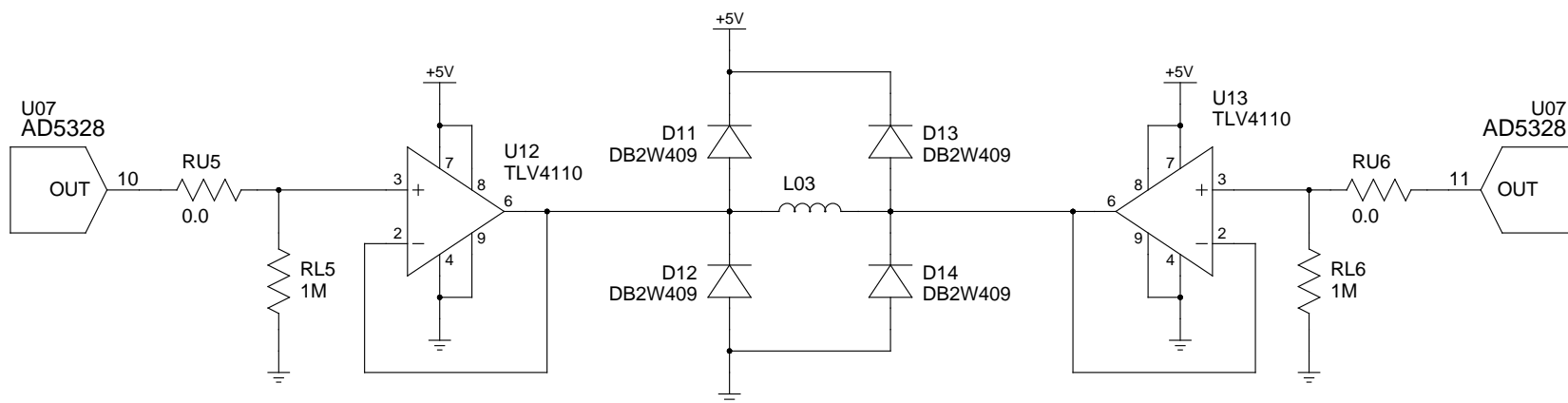
TITLE **SCB | Buffer (Y-axis)**

FILE: 08-buf-y.sch

REVISION: 1.2

PAGE 8 OF 10

DRAWN BY: Bradley Worley



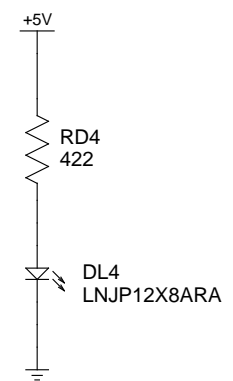
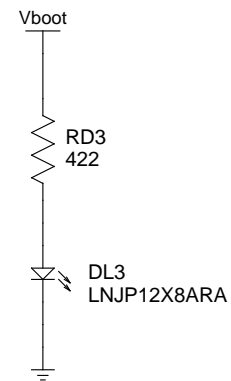
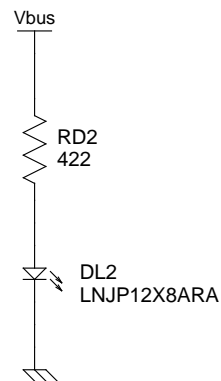
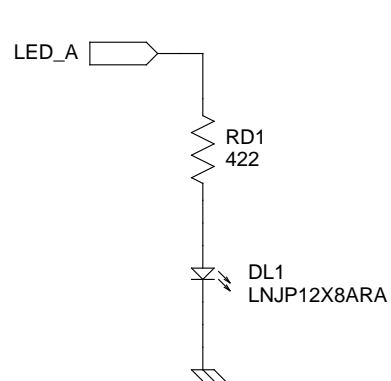
TITLE **SCB | Buffer (Z-axis)**

FILE: 09-buf-z.sch

REVISION: 1.2

PAGE 9 OF 10

DRAWN BY: Bradley Worley



Notes

DL1: Lights during Host-MCU communication

DL2: Lights on application of USB 2.0 bus power

DL3: Lights on successful startup of bootstrap regulator

DL4: Lights on successful startup of high-current regulator

TITLE **SCB | LED Status Indicators**

FILE: 10-leds.sch

REVISION: 1.0

PAGE 10 OF 10

DRAWN BY: Bradley Worley