

TOP DESIGN

Sheet: Microcontroller



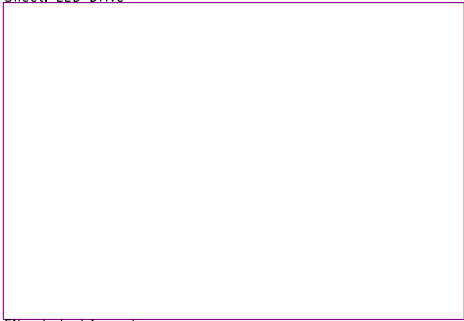
File: microcontroller.sch

Sheet: Sensing



File: sensing.sch

Sheet: LED Drive



File: led-drive.sch

Drawn by: Andrew Li
Project: Instrumentation Buoy V1

Sheet: /
File: main-board.sch

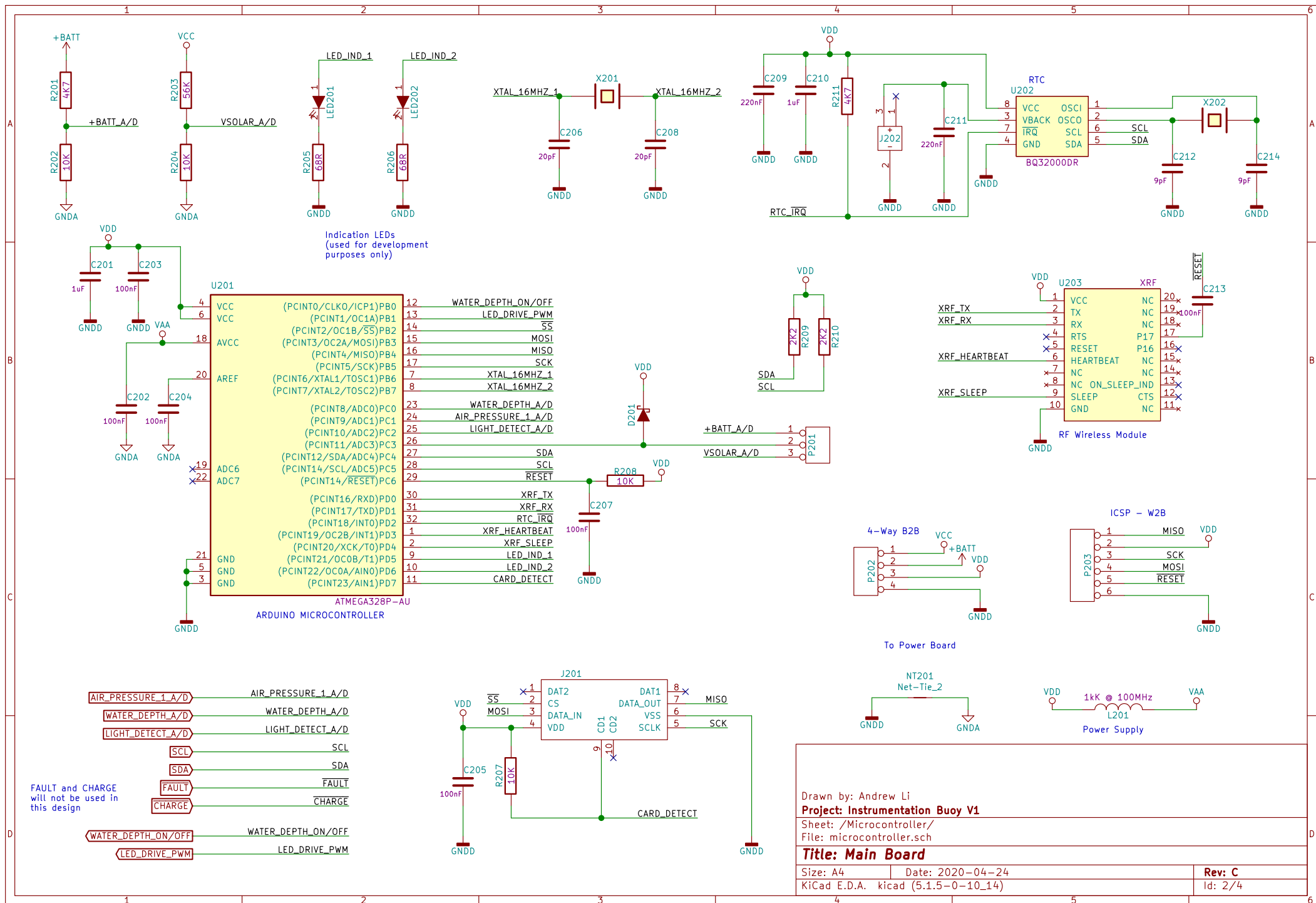
Title: Main Board

Size: A4 Date: 2020-04-24

KiCad E.D.A. kicad (5.1.5-0-10_14)

Rev: C

Id: 1/4



Drawn by: Andrew Li

Project: Instrumentation Buoy V1

Sheet: /Microcontroller/

File: microcontroller.sch

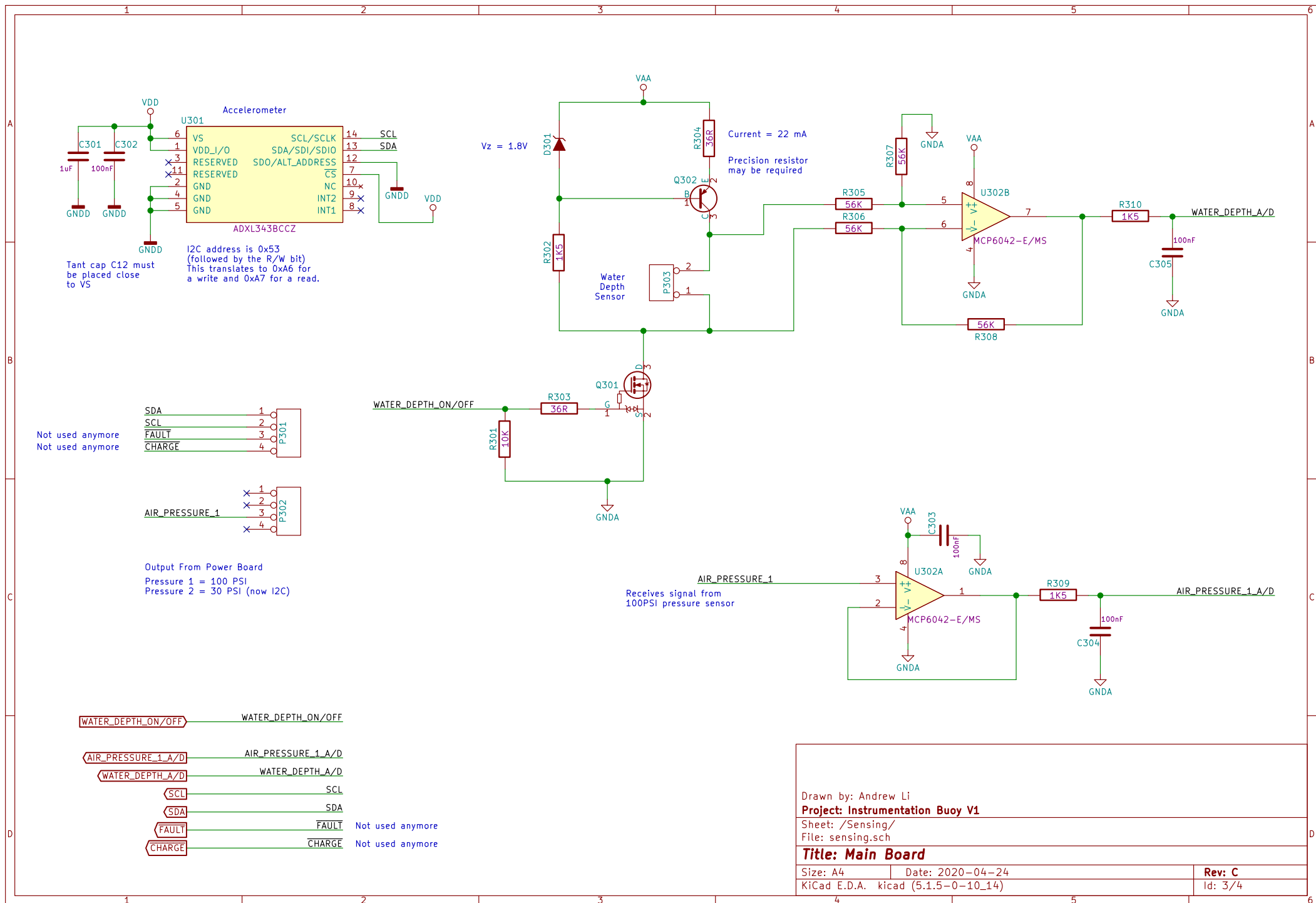
Title: Main Board

Size: A4 Date: 2020-04-24

KiCad E.D.A. kicad (5.1.5-0-10_14)

Rev: C

Id: 2/4



Drawn by: Andrew Li

Project: Instrumentation Buoy V1

Sheet: /Sensing/

File: sensing.sch

Title: Main Board

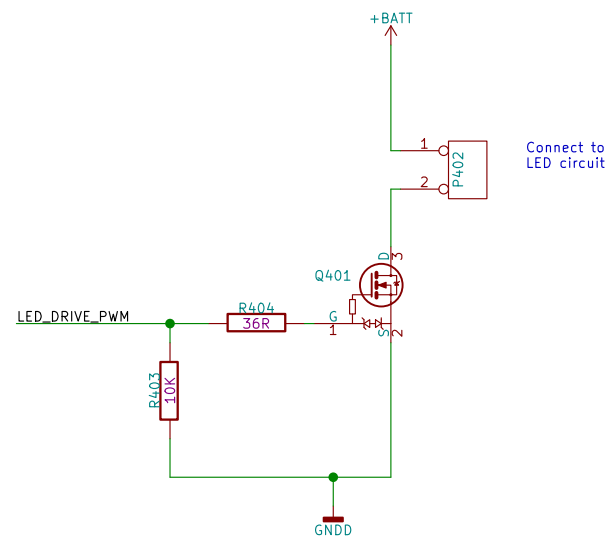
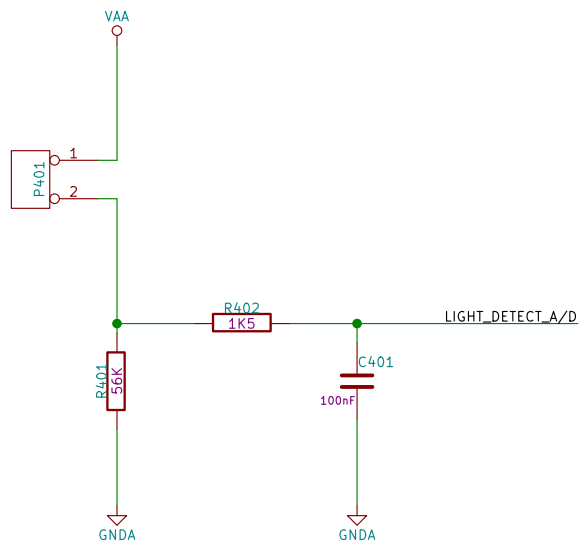
Size: A4 Date: 2020-04-24

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Rev: C

Id: 3/4

Photoresistor: VT90N1
6K (light) – 200K (dark)



LED_DRIVE_PWM LED_DRIVE_PWM

LIGHT_DETECT_A/D LIGHT_DETECT_A/D

Drawn by: Andrew Li

Project: Instrumentation Buoy V1

Sheet: /LED Drive/

File: led-drive.sch

Title: Main Board

Size: A4 Date: 2020-04-24

KiCad E.D.A. kicad (5.1.5-0-10_14)

Rev: C

Id: 4/4