

Power

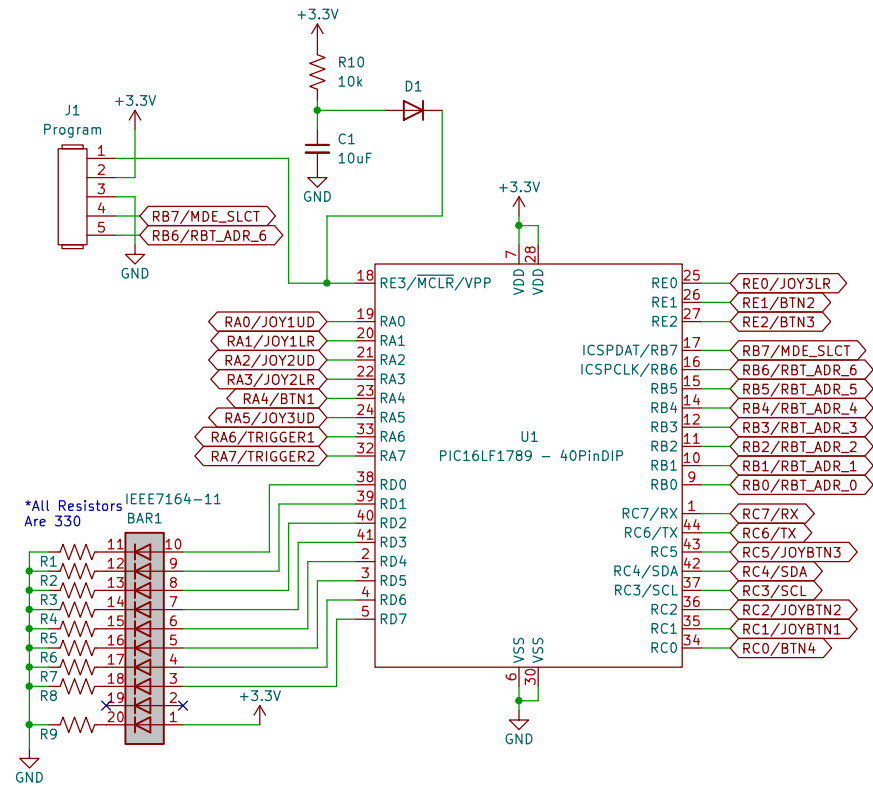
File: Power.kicad_sch

Controls

File: Controls.kicad_sch

Communications

File: Communications.kicad_sch



Robotics and Communications Systems Engineering Technology
1152 Marin Luther King Jr. BLVD
Pocatello, Idaho; 83209
Drawn By: Zachary Christensen / Joshua Makuch
Idaho State University

Sheet: /
File: Mini ATV Project - Joshua Makuch.kicad_sch

Title: Universal Controller

Size: A Date: 2024-04-26
KiCad E.D.A. 8.0.1

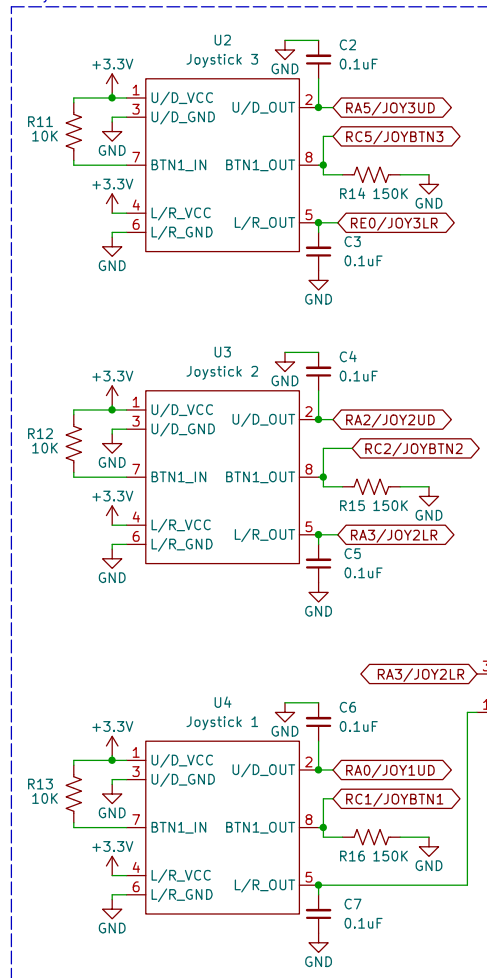
Rev: B
Id: 1/4



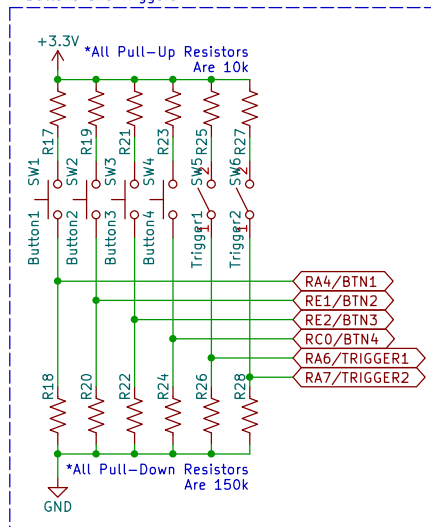
**Idaho State
University**

**Robotics & Communications
Systems Engineering Technology**

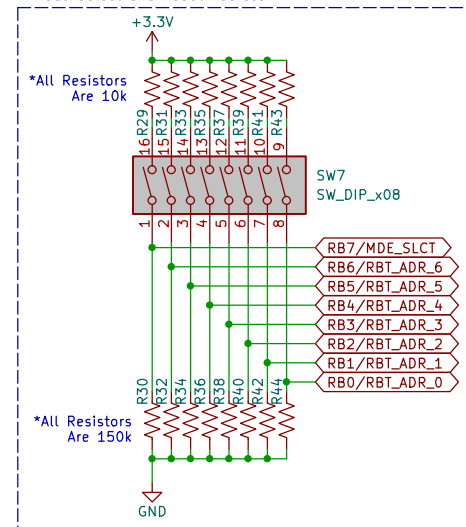
* Joysticks



* Buttons and Triggers



* Mode Select and Robot Address



**Pull Ups can be configured as desired
(Used 0Ω in final rendition)

**Pull Down resistors can be configured as desired
(Used 1KΩ in final rendition)



Idaho State
University

Robotics & Communications
Systems Engineering Technology

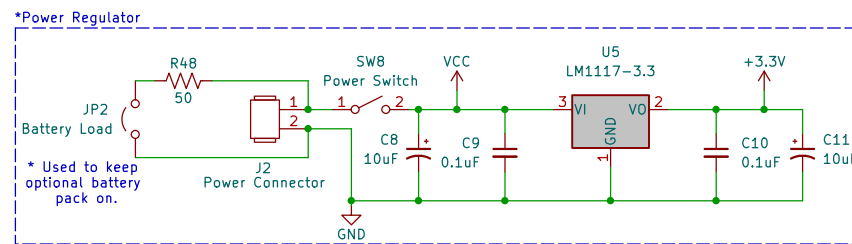
Robotics and Communications Systems Engineering Technology
1152 Marin Luther King Jr. BLVD
Pocatello, Idaho; 83209
Drawn By: Zachary Christensen / Joshua Makuch
Idaho State University

Sheet: /Controls/
File: Controls.kicad_sch

Title: Universal Controller

Size: A Date: 2024-04-26
KiCad E.D.A. 8.0.1

Rev: B
Id: 2/4



**Idaho State
University**

**Robotics & Communications
Systems Engineering Technology**

Robotics and Communications Systems Engineering Technology
1152 Marin Luther King Jr. BLVD
Pocatello, Idaho; 83209
Drawn By: Zachary Christensen / Joshua Makuch
Idaho State University

Sheet: /Power/
File: Power.kicad_sch

Title: Universal Controller

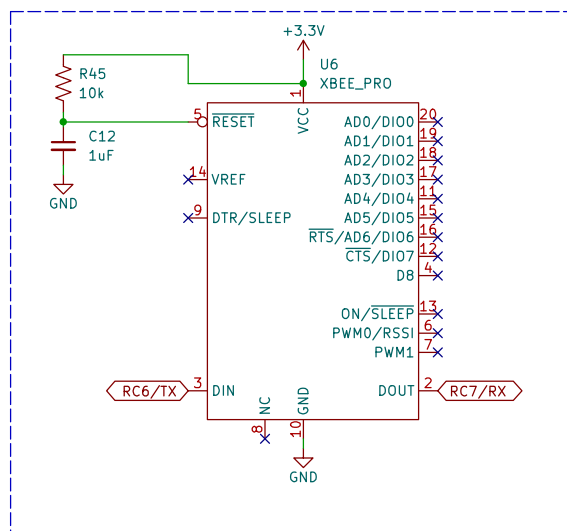
Size: A Date: 2024-04-26

KiCad E.D.A. 8.0.1

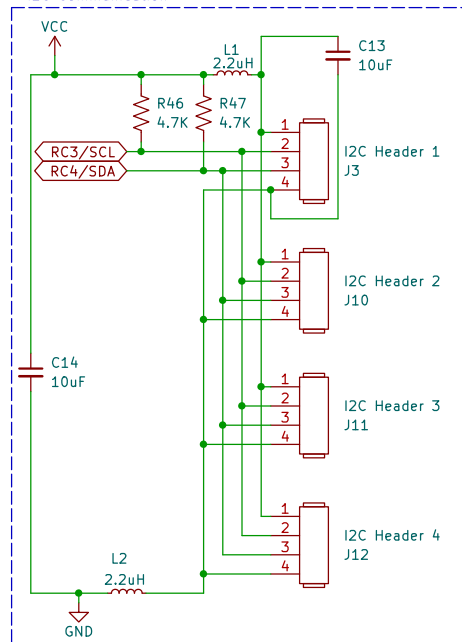
Rev: B

Id: 3/4

* XBEE Communication



* I2C Communication



Robotics and Communications Systems Engineering Technology
1152 Marin Luther King Jr. BLVD
Pocatello, Idaho; 83209
Drawn By: Zachary Christensen / Joshua Makuch
Idaho State University

Sheet: /Communications/
File: Communications.kicad_sch

Title: Universal Controller

Size: A Date: 2024-04-26
KiCad E.D.A. 8.0.1

Rev: B
Id: 4/4



**Idaho State
University**

**Robotics & Communications
Systems Engineering Technology**