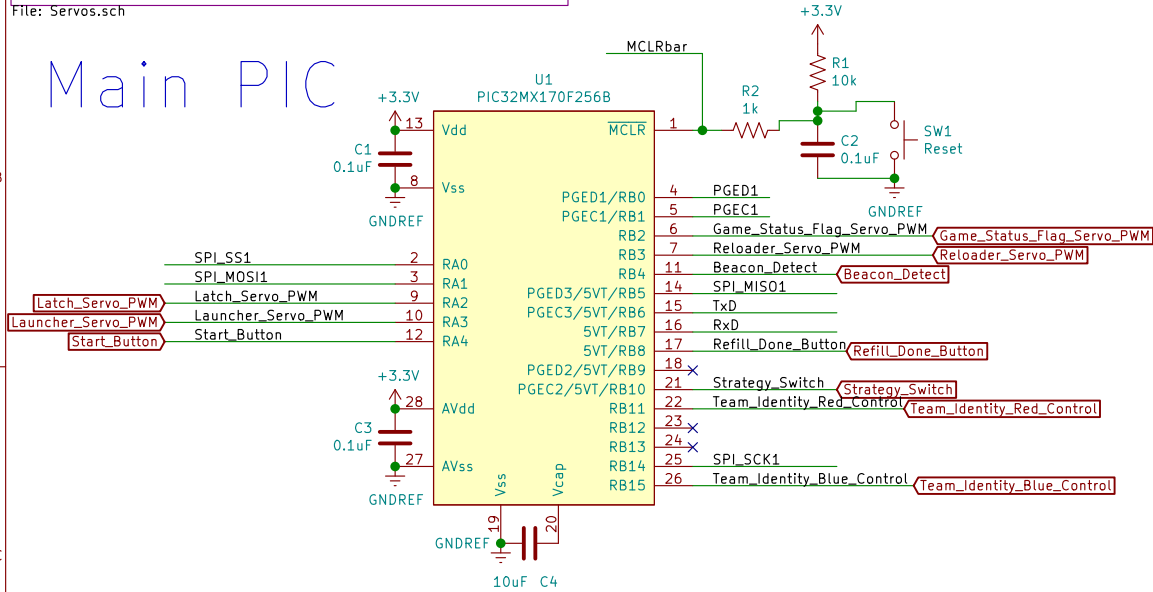


Sheet: Servo\_Sheet

Sheet: Power\_and\_Voltage\_Regulation

File: Servos.sch

Main PIC

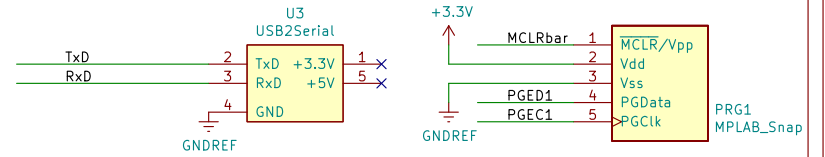


Sheet: User\_Control\_and\_Lights

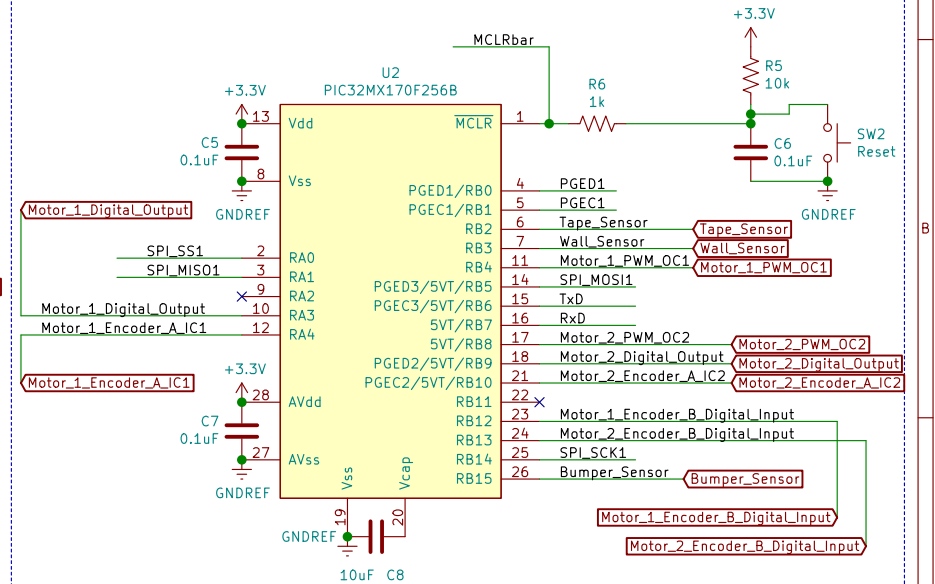
Sheet: Beacon\_Analog\_Signal\_Conditioning

File: User\_Control\_Land\_Lights.sch

File: Beacon\_Analog\_Signal\_Conditioning.sch



Motor PIC



Sheet: Motor\_Control

Sheet: Motor\_PIC\_Sensors

File: Motor\_Control.sch

File: Motor\_PIC\_Sensors.sch

Teammates: Andrew Sack and Afshan Chandani  
Checkpoint 1

**Drafted by Ryan Brandt**

Sheet: /

File: Checkpoint1\_Schematics.sch

**Title: ME 218b Team 3 Project Schematic**

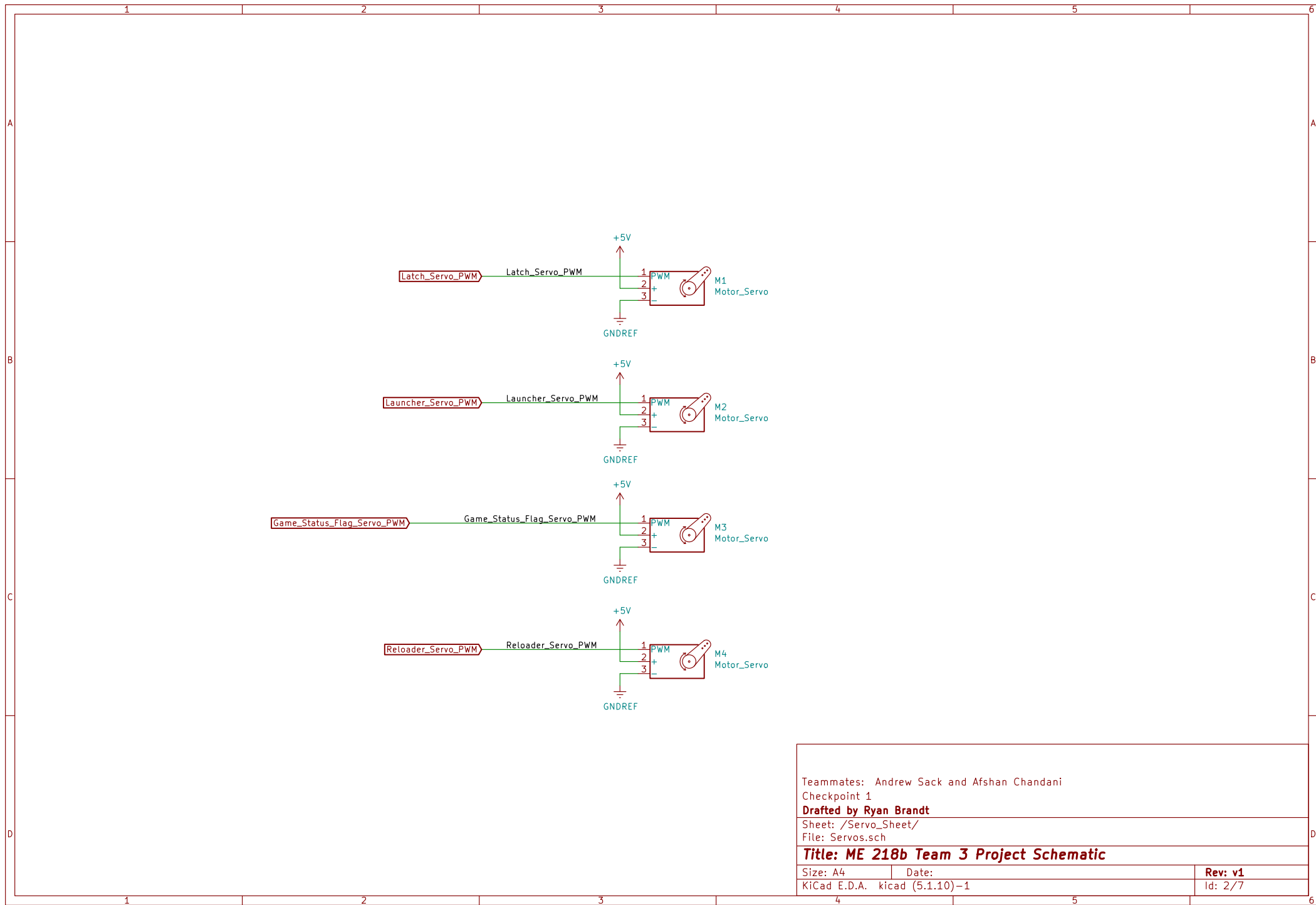
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Date:

KiCad E.D.A. kicad (5.1.10)-1

Rev: v1

Id: 1/7



Teammates: Andrew Sack and Afshan Chandani

Checkpoint 1

**Drafted by Ryan Brandt**

Sheet: /Servo\_Sheet/

File: Servos.sch

**Title: ME 218b Team 3 Project Schematic**

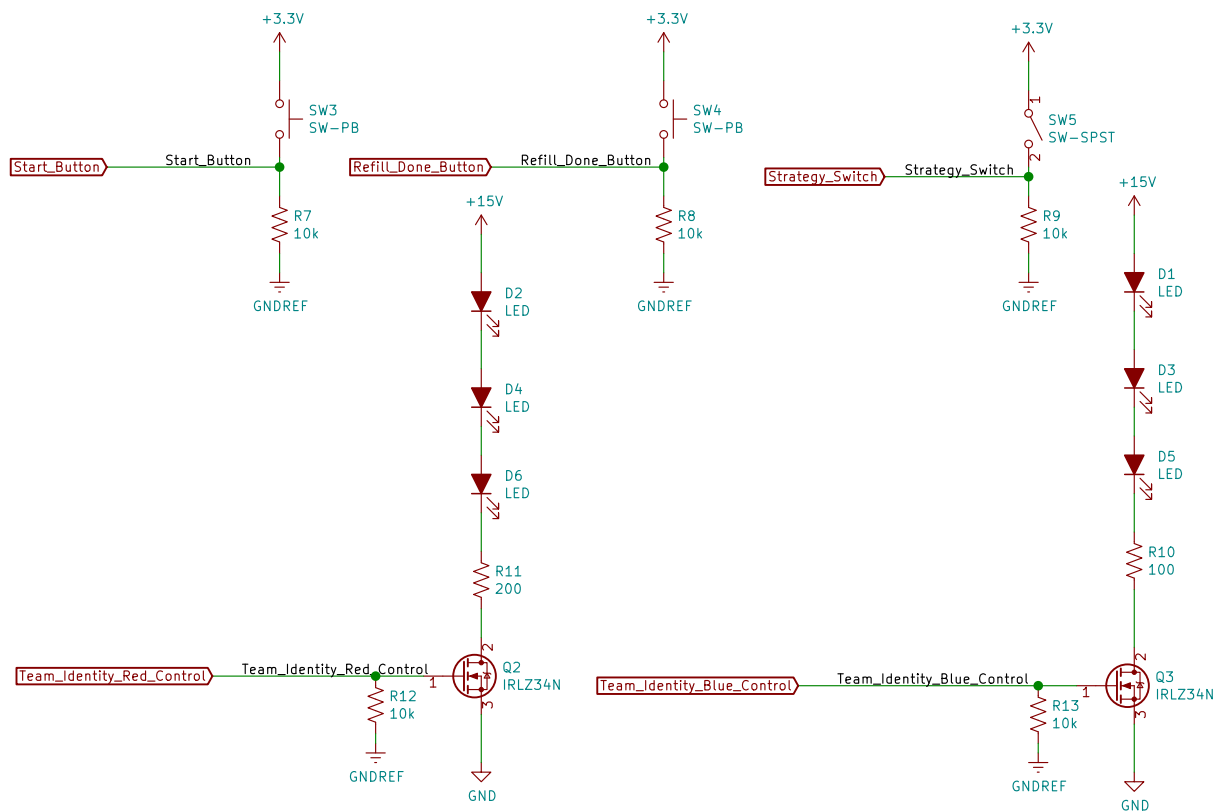
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Date:

KiCad E.D.A. kicad (5.1.10)-1

**Rev: v1**

Id: 2/7



Teammates: Andrew Sack and Afshan Chandani  
 Checkpoint 1

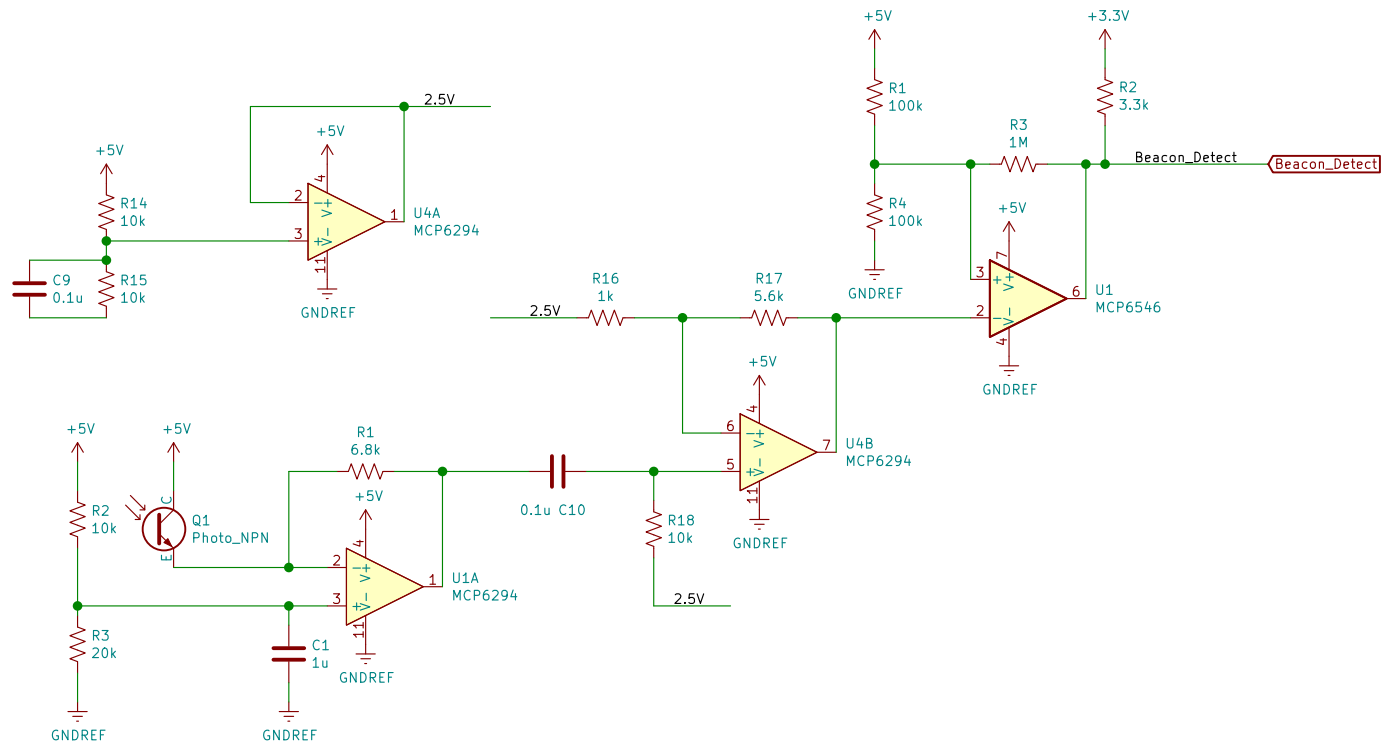
**Drafted by Ryan Brandt**

Sheet: /User\_Control\_and\_Lights/  
 File: User\_Control\_and\_Lights.sch

**Title: ME 218b Team 3 Project Schematic**

Size: A4	Date:	Rev: v1
KiCad E.D.A. kicad (5.1.10)-1		Id: 3/7

This topology will have to be changed to match the universal signal conditioning board and the values changed during testing.



Teammates: Andrew Sack and Afshan Chandani

Checkpoint 1

**Drafted by Ryan Brandt**

Sheet: /Beacon\_Analog\_Signal\_Conditioning/

File: Beacon\_Analog\_Signal\_Conditioning.sch

**Title: ME 218b Team 3 Project Schematic**

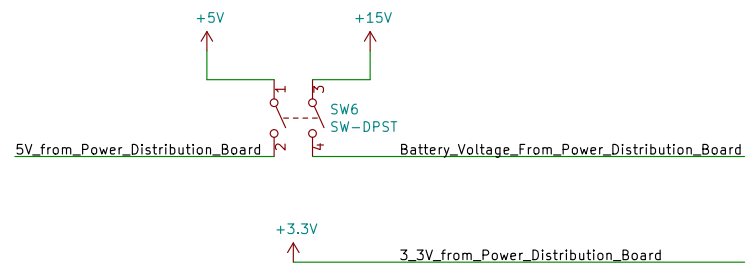
Size: A4

Date:

**Rev: v1**

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Id: 4/7



Note that grounds are only connected at a single point



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Checkpoint 1

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Sheet: /Power\_and\_Voltage\_Regulation/

File: Power\_and\_Voltage\_Regulation.sch

**Title: ME 218b Team 3 Project Schematic**

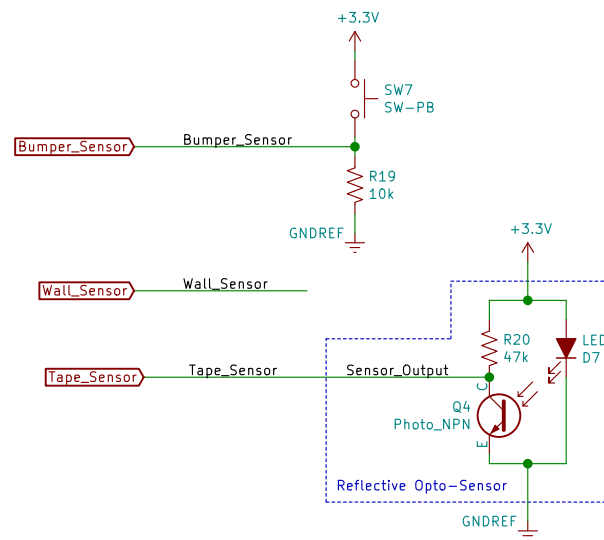
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**Rev: v1**

KiCad E.D.A. kicad (5.1.10)-1

Id: 5/7



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Checkpoint 1

**Drafted by Ryan Brandt**

Sheet: /Motor\_PIC\_Sensors/

File: Motor\_PIC\_Sensors.sch

**Title: ME 218b Team 3 Project Schematic**

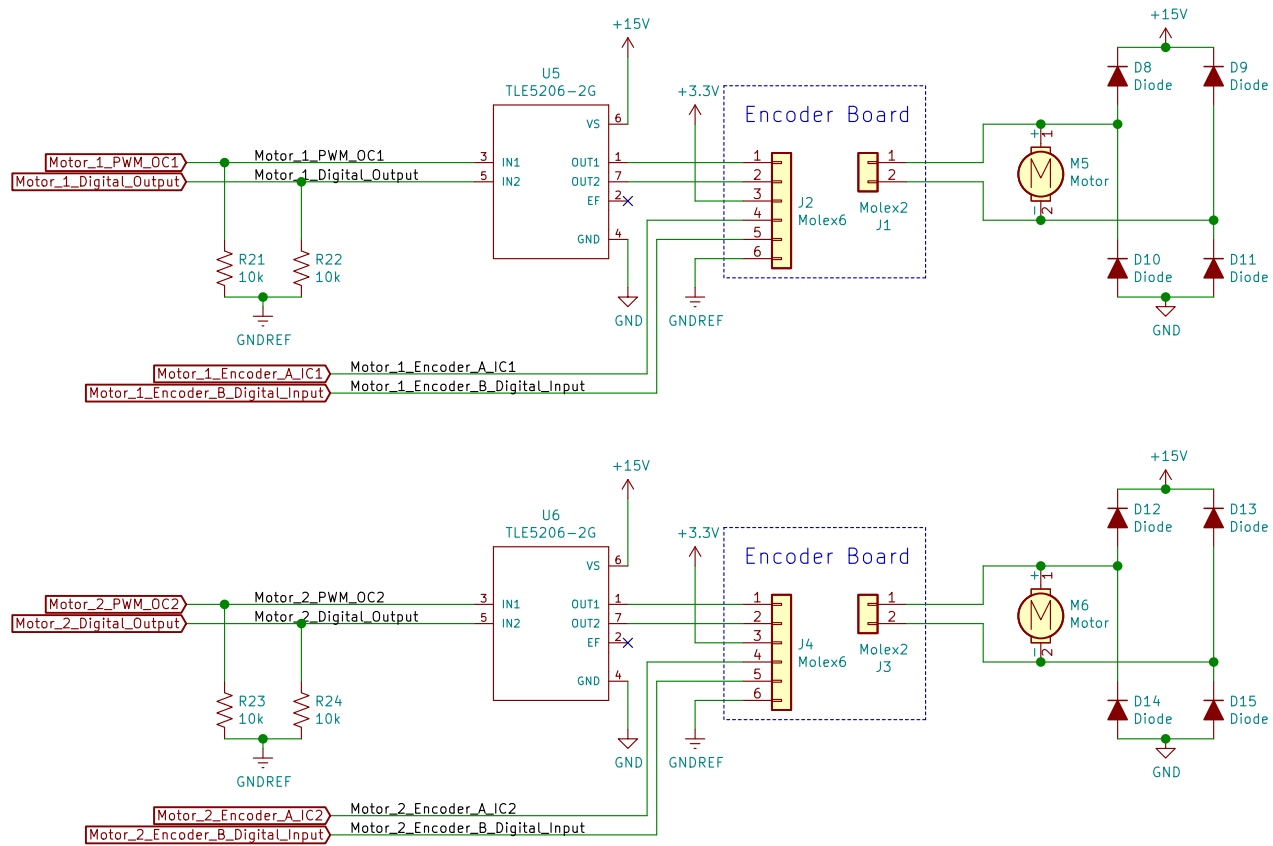
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**Rev: v1**

KiCad E.D.A. kicad (5.1.10)-1

Id: 6/7



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Checkpoint 1

**Drafted by Ryan Brandt**

Sheet: /Motor\_Control/

File: Motor\_Control.sch

**Title: ME 218b Team 3 Project Schematic**

Size: A4

Date:

KiCad E.D.A. kicad (5.1.10)-1

**Rev: v1**

Id: 7/7