

Longhorn Racing Electric

Sheet: /  
File: 19-ELC-2100(FCU).sch

**Title: Front Control Unit**

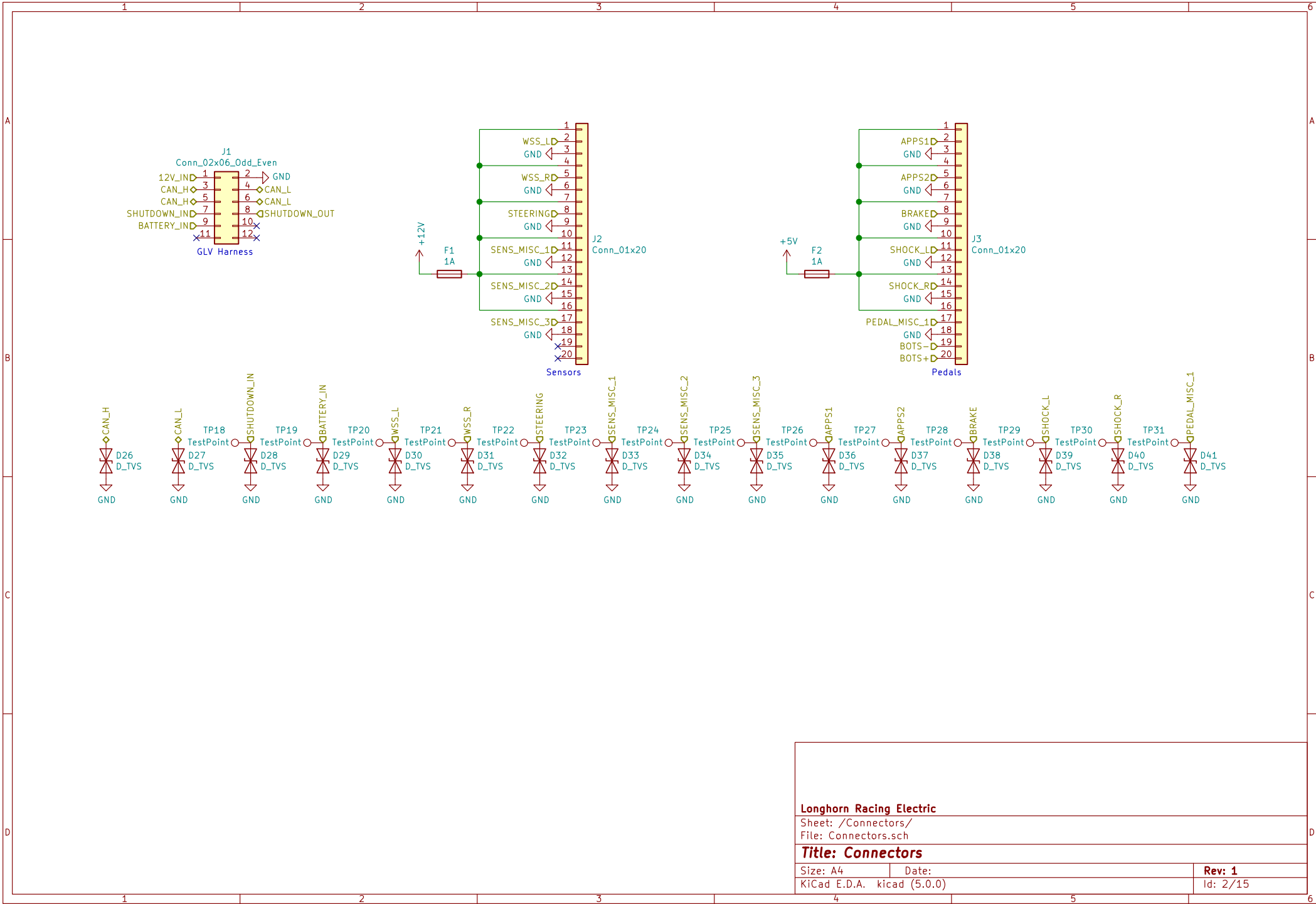
Size: A4

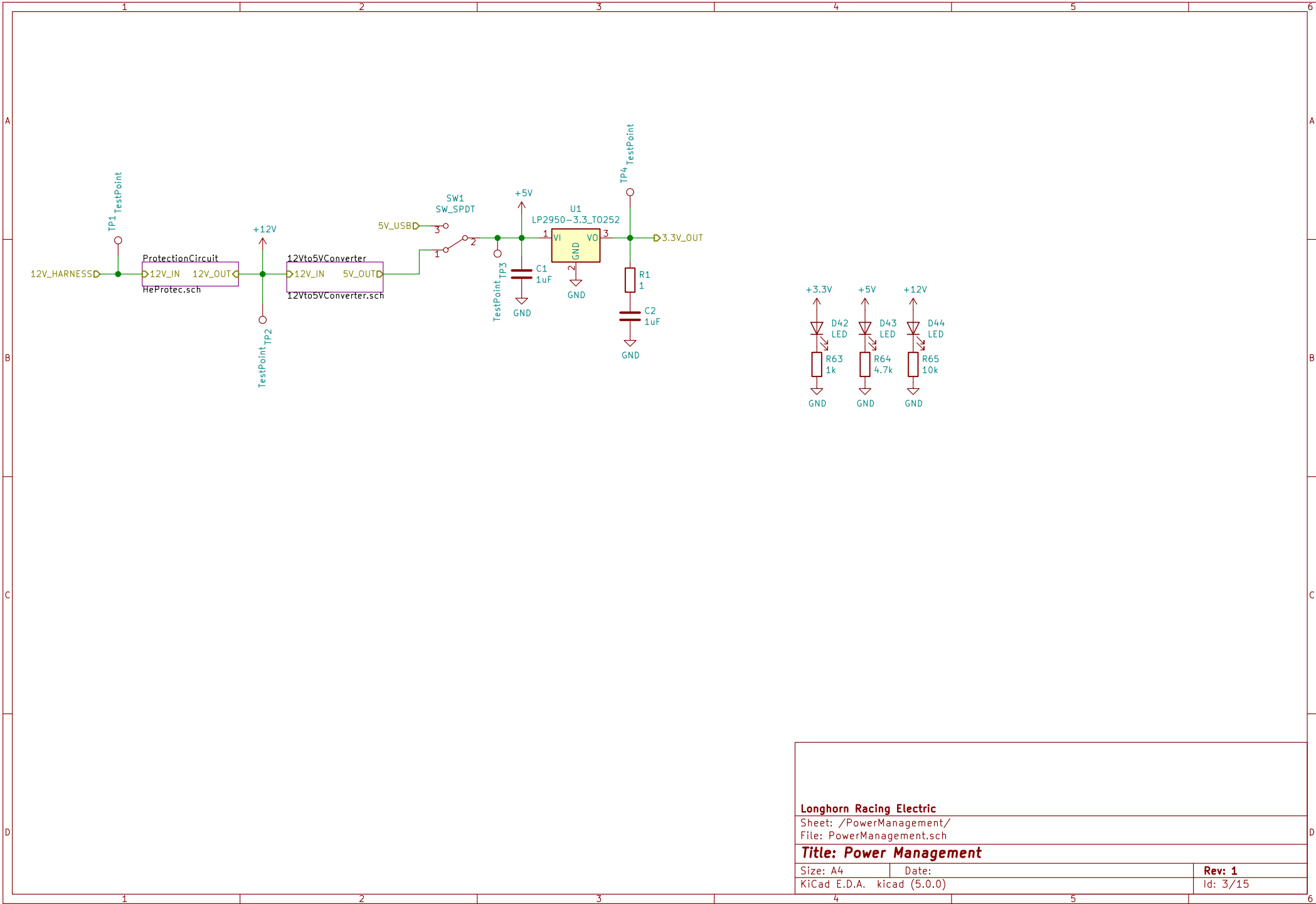
Date:

Rev: 1

KiCad E.D.A. kicad (5.0.0)

Id: 1/15





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Sheet: /PowerManagement/  
File: PowerManagement.sch

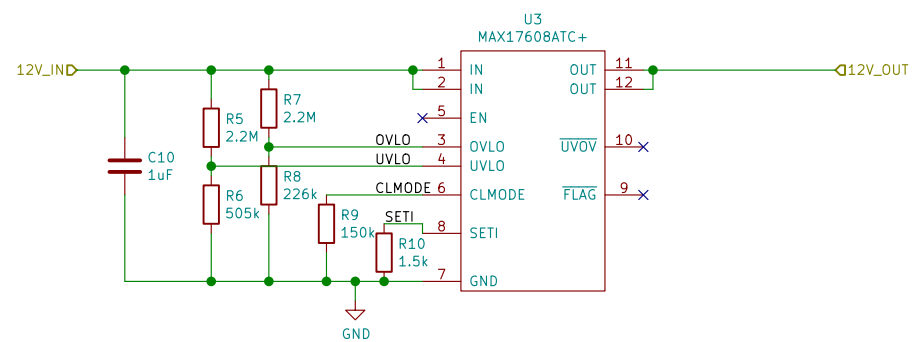
**Title: Power Management**

Size: A4  
KiCad E.D.A. kicad (5.0.0)

Date:

Rev: 1  
Id: 3/15

Rev: 1  
Id: 4/15



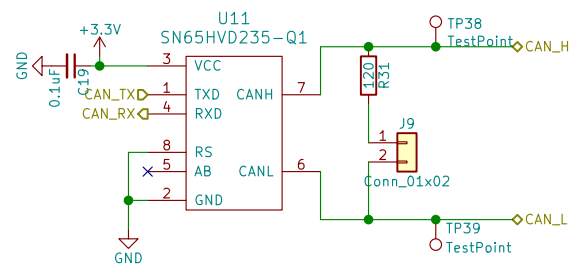
Longhorn Racing Electric  
Sheet: /PowerManagement/ProtectionCircuit/  
File: HeProtec.sch

**Title: Input Protection**

Size: A4	Date:	Rev: 1
KiCad E.D.A. kicad (5.0.0)		Id: 5/15

Id: 6/15





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Sheet: /CAN\_Transceiver/  
File: CAN\_Transceiver.sch

**Title: CAN Transceiver**

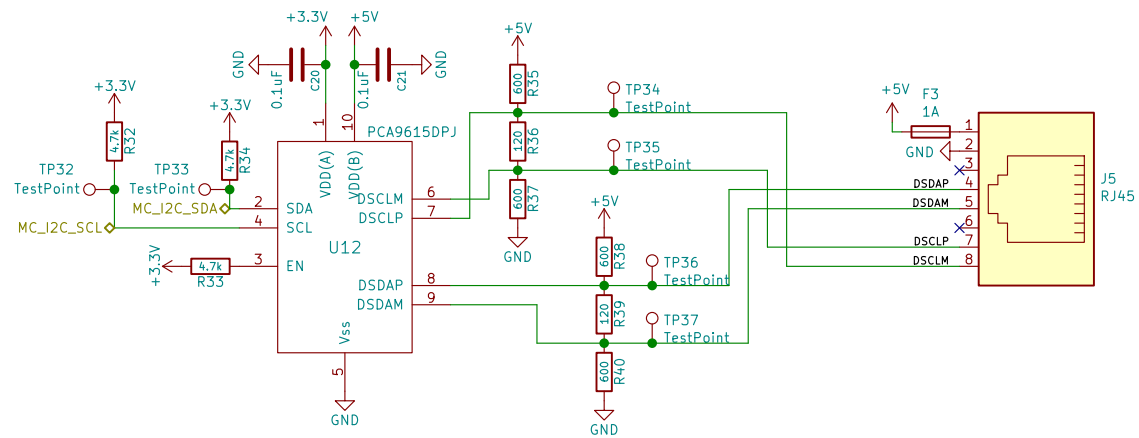
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KiCad E.D.A. kicad (5.0.0)

Date:

Rev: 1

Id: 8/15





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Sheet: /I2C\_Module/

File: I2C\_Module.sch

**Title: Differential I2C Module**

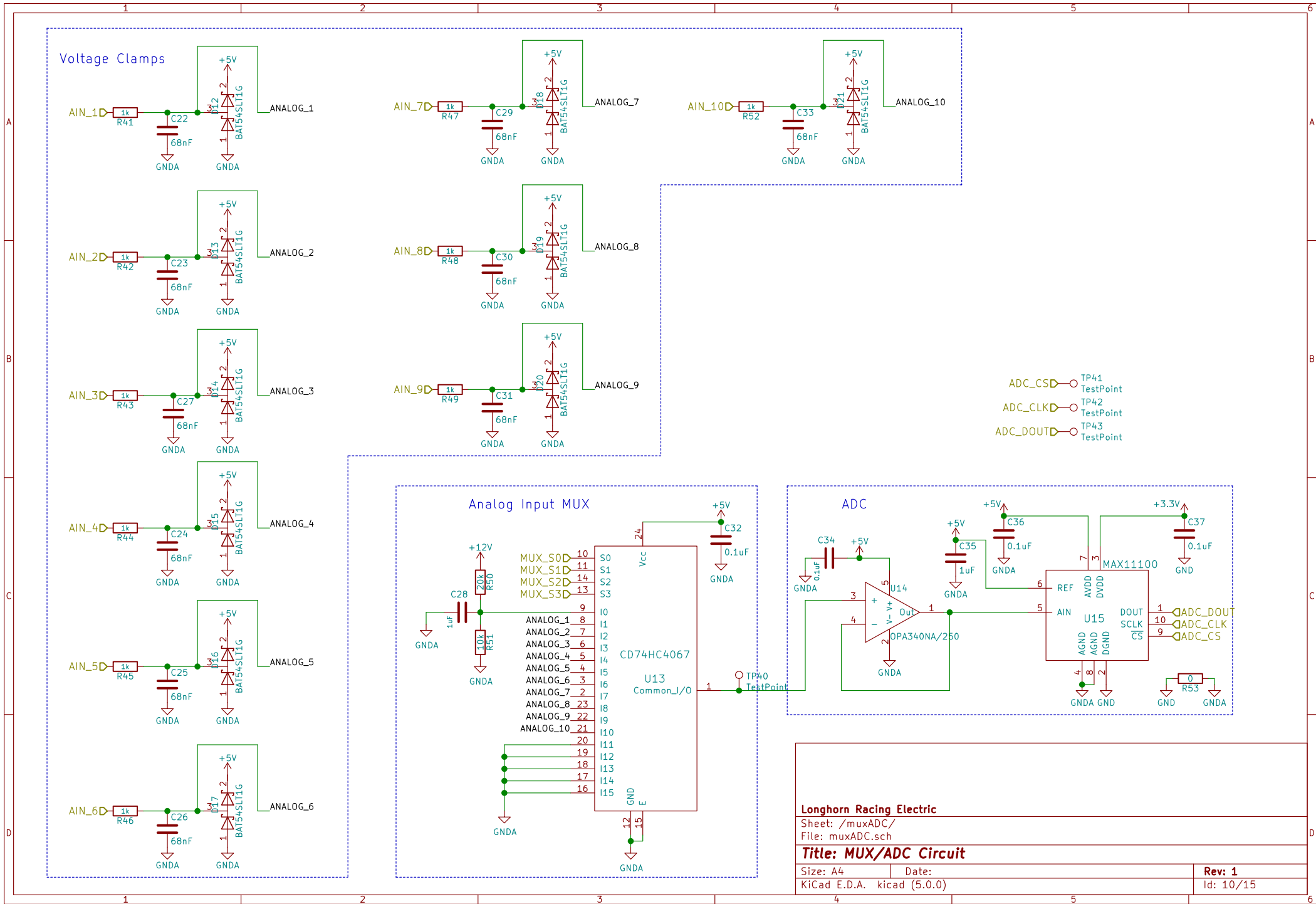
Size: A4

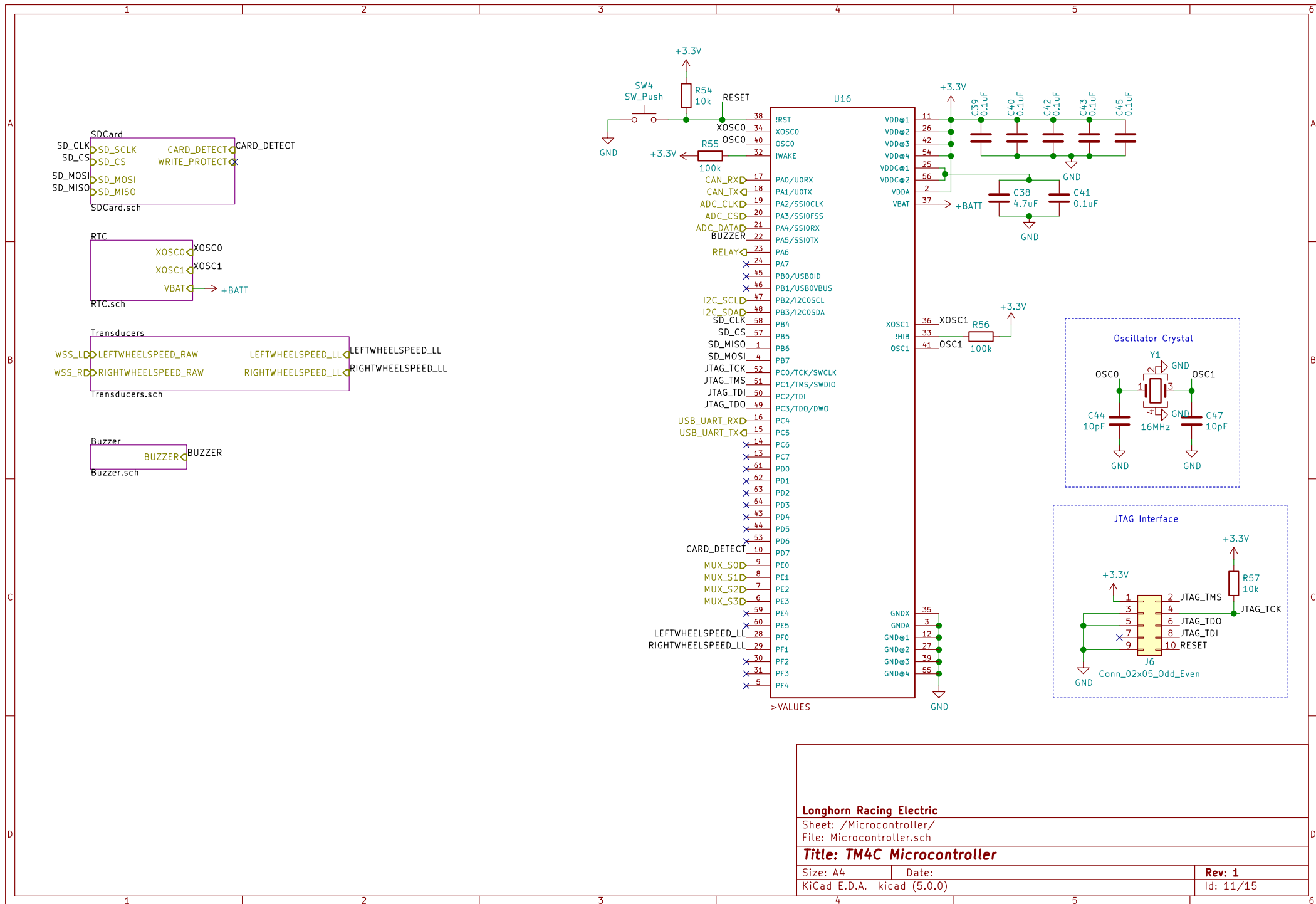
Date:

Rev: 1

KiCad E.D.A. kicad (5.0.0)

Id: 9/15





**Longhorn Racing Electric**

Sheet: /Microcontroller/  
File: Microcontroller.sch

**Title: TM4C Microcontroller**

Size: A4	Date:	Rev: 1
KiCad E.D.A. kicad (5.0.0)		Id: 11/15

