

Sheet: Power Management

File: F20_Power_Management.sch

Sheet: RIM

File: F20_RIM.sch

Sheet: Powertrain

File: F20_Powertrain.sch

Sheet: Shifter

File: F20_Shifter.sch

Sheet: Driver Display

File: F20_Driver_Display.sch

Sheet: Steering Wheel

File: F20_Steering.sch

Sheet: Brakes

File: F20_Brakes.sch

Sheet: XBEE

File: F20_XBEE.sch

Sheet: Transponder

File: F20_Transponder.sch

Sheet: Accelerometer

File: F20_Accelerometer.sch

Sheet: Tire Temperature Sensors

File: F20_Tire_Temp_Sensors.sch

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Apprvd By:
Drawn By: Cristian Valadez
Model: F20

UIC
Formula SAE

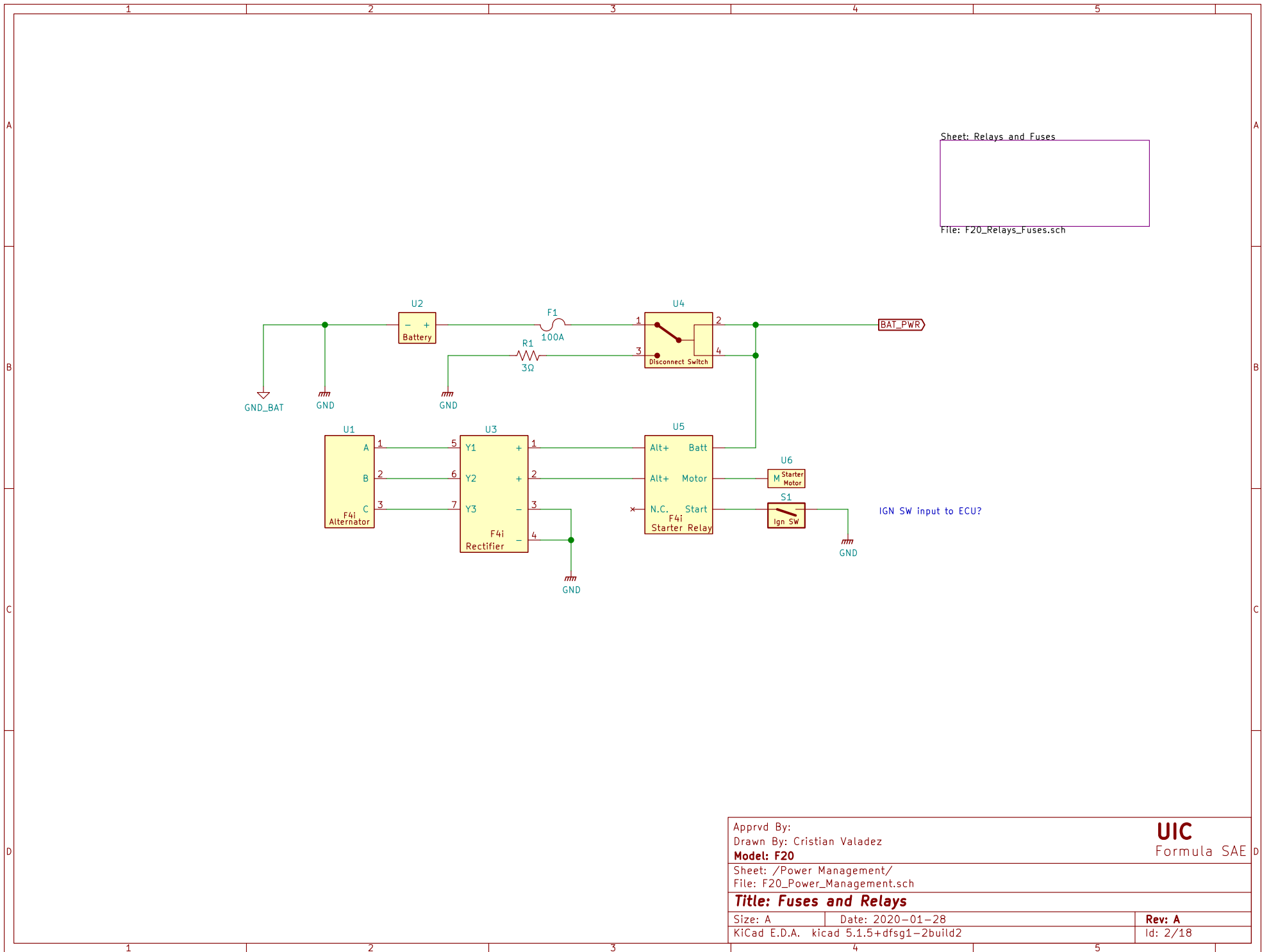
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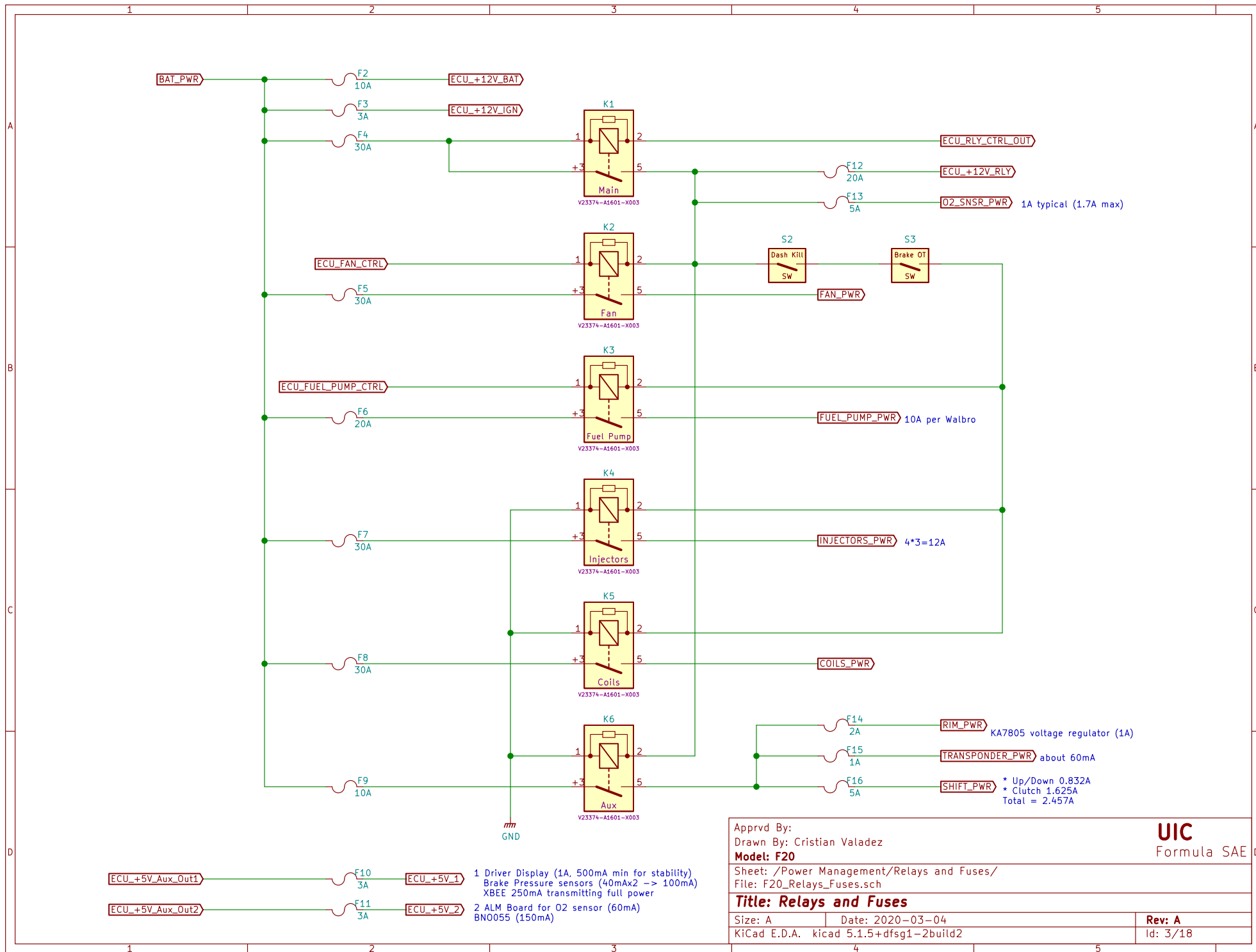
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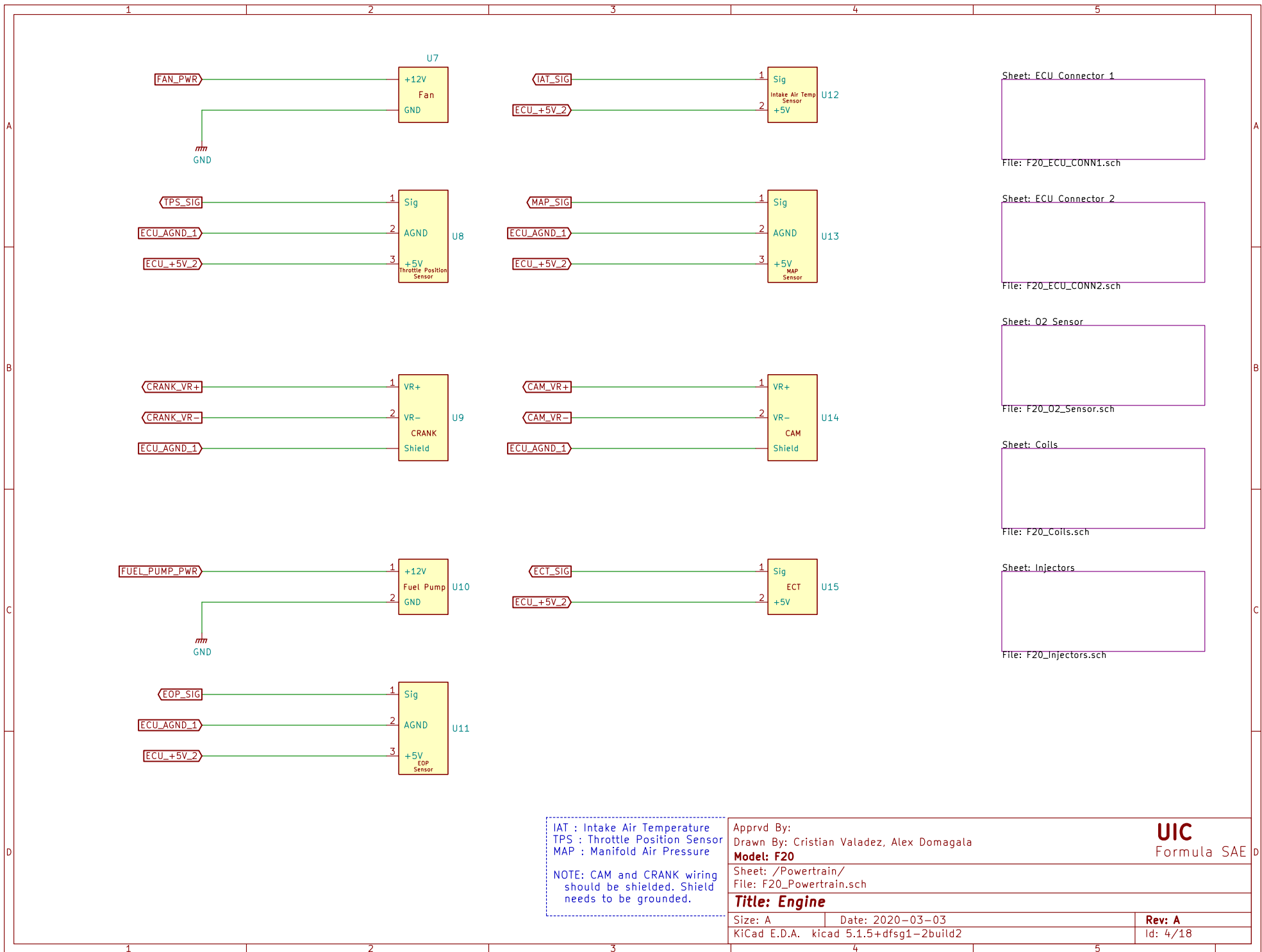
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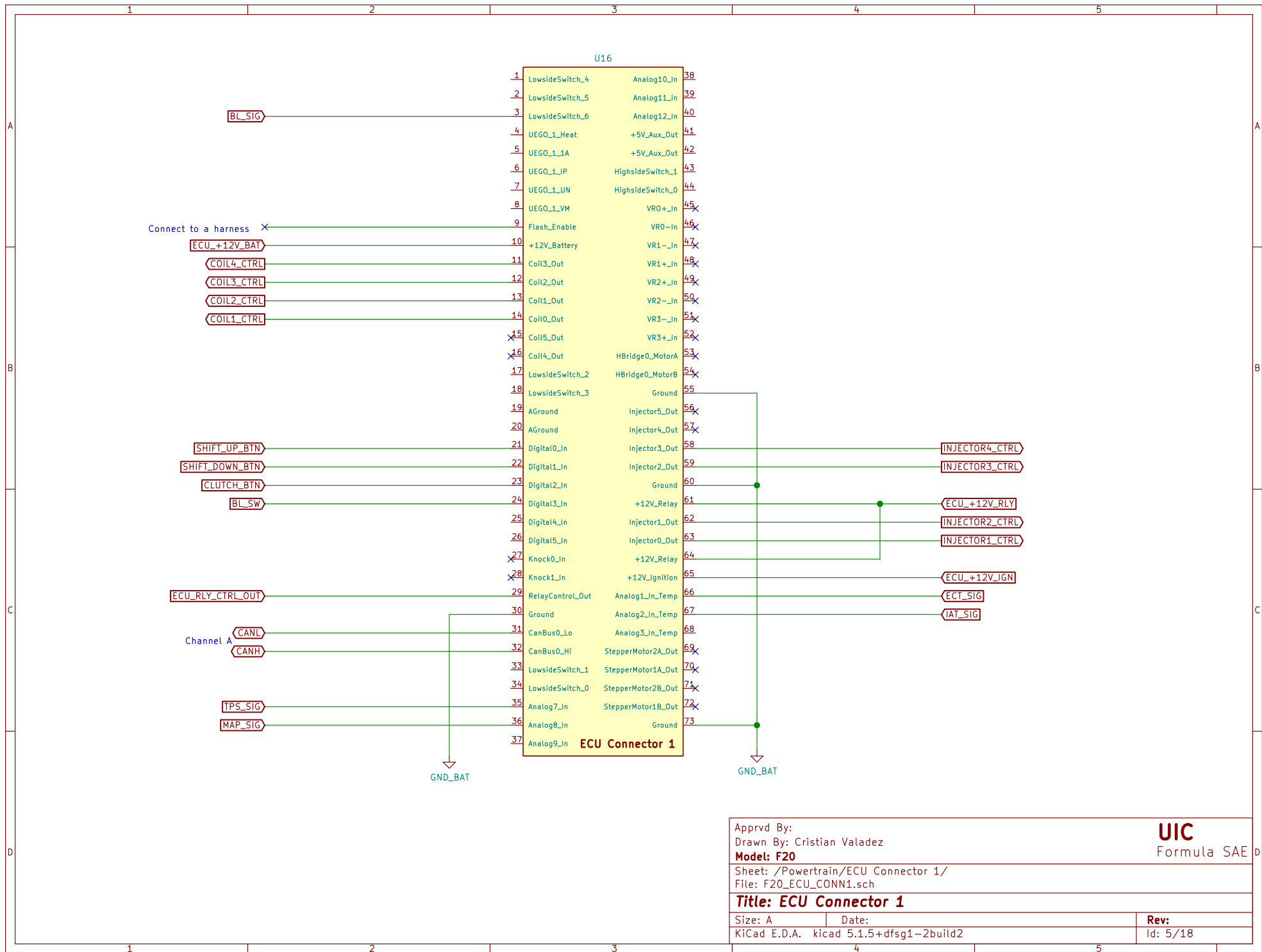
Date:

Rev: A
Id: 1/18

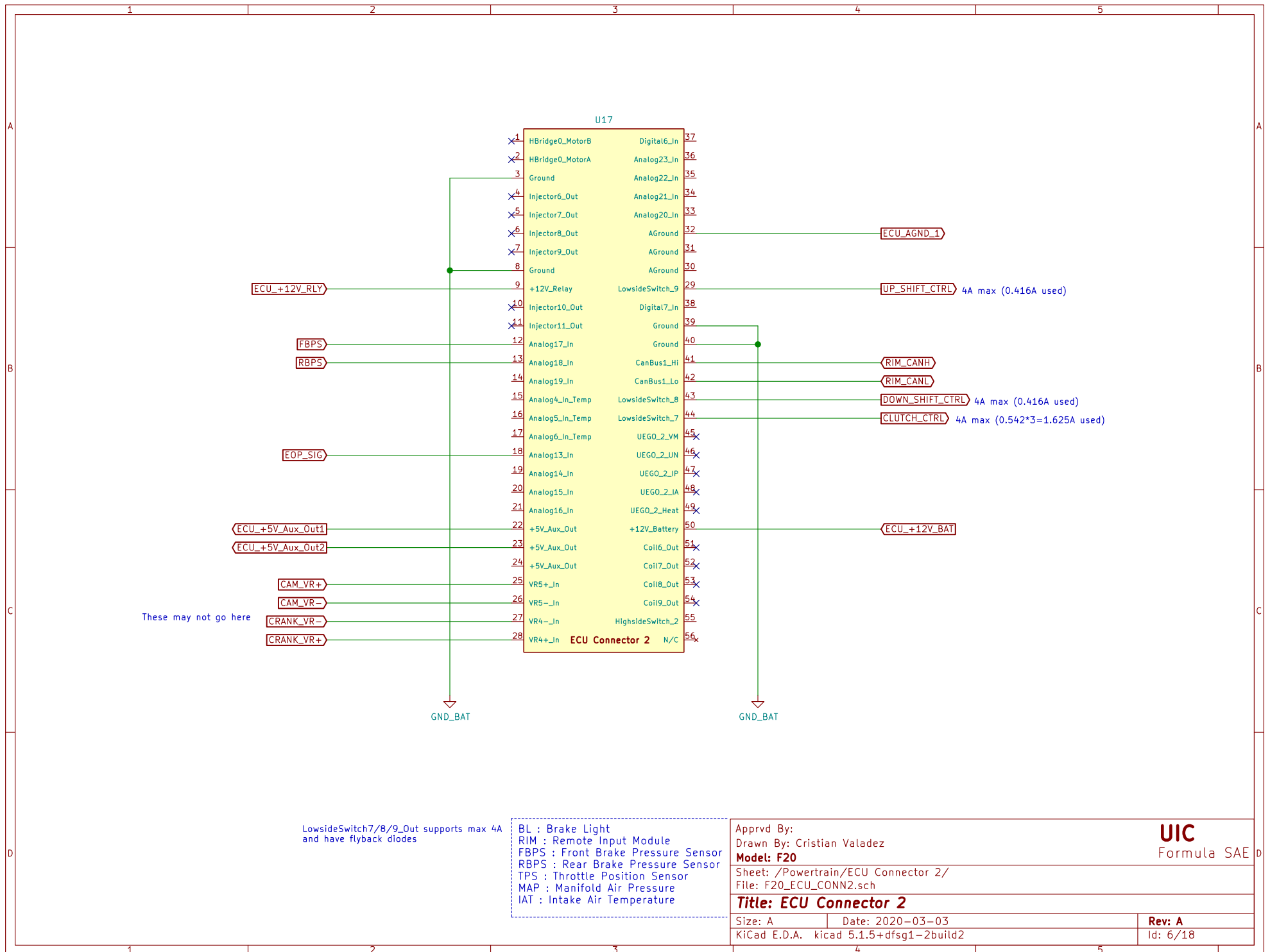


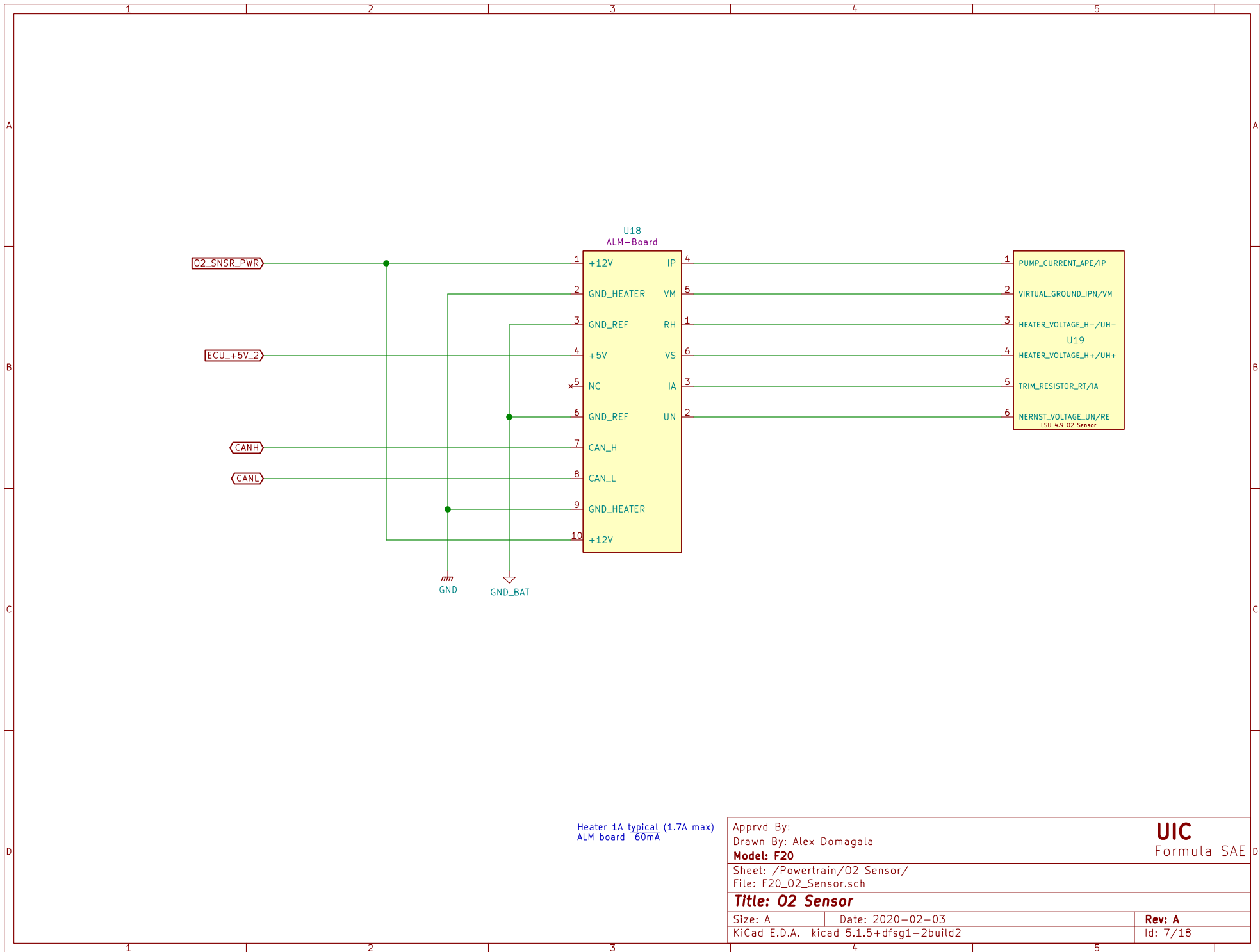


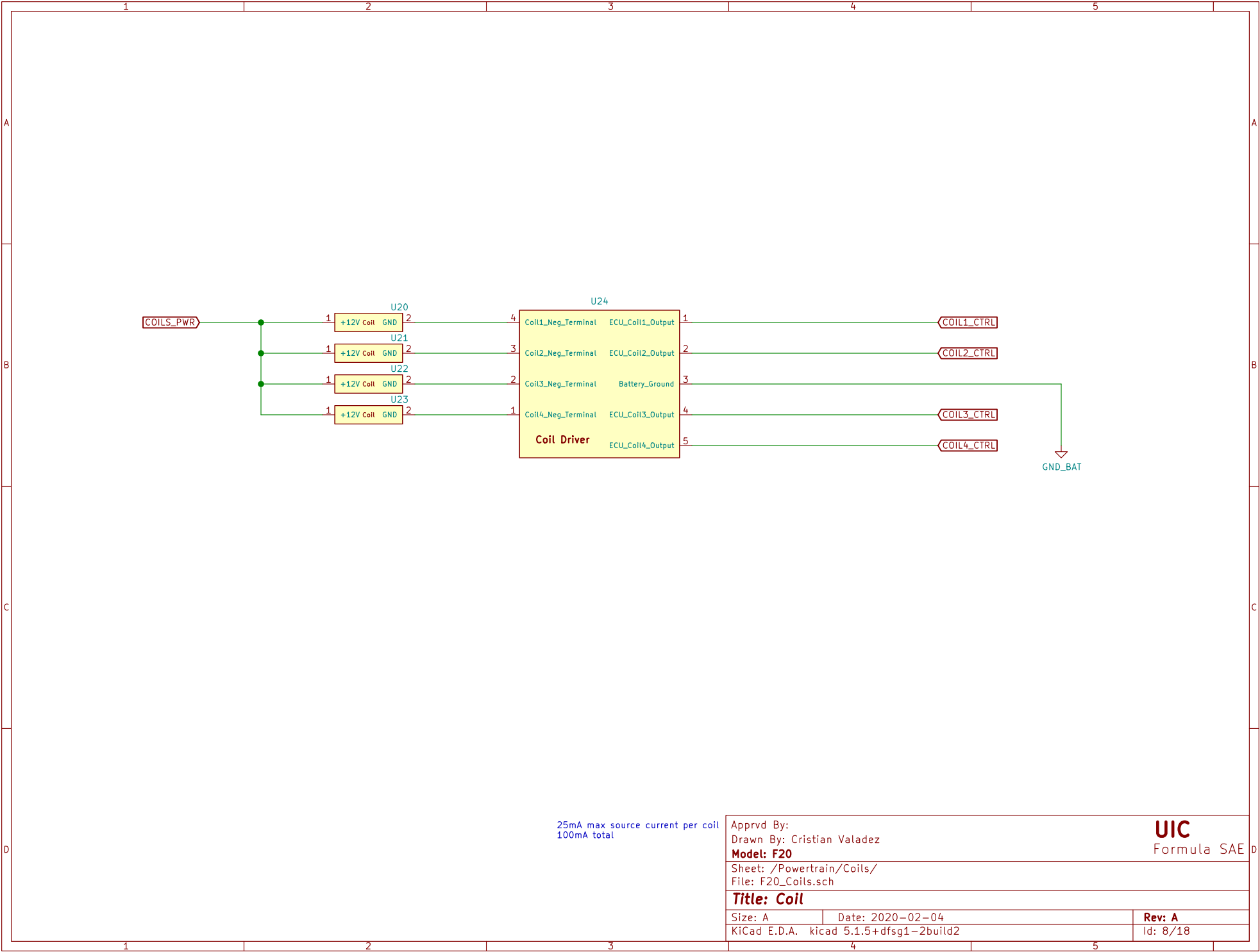




Apprvd By: Drawn By: Cristian Valadez Model: F20		UIC Formula SAE D
Sheet: /Powertrain/ECU Connector 1/ File: F20_ECU_CONN1.sch		
Title: ECU Connector 1		
Size: A	Date:	Rev:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2		Id: 5/18

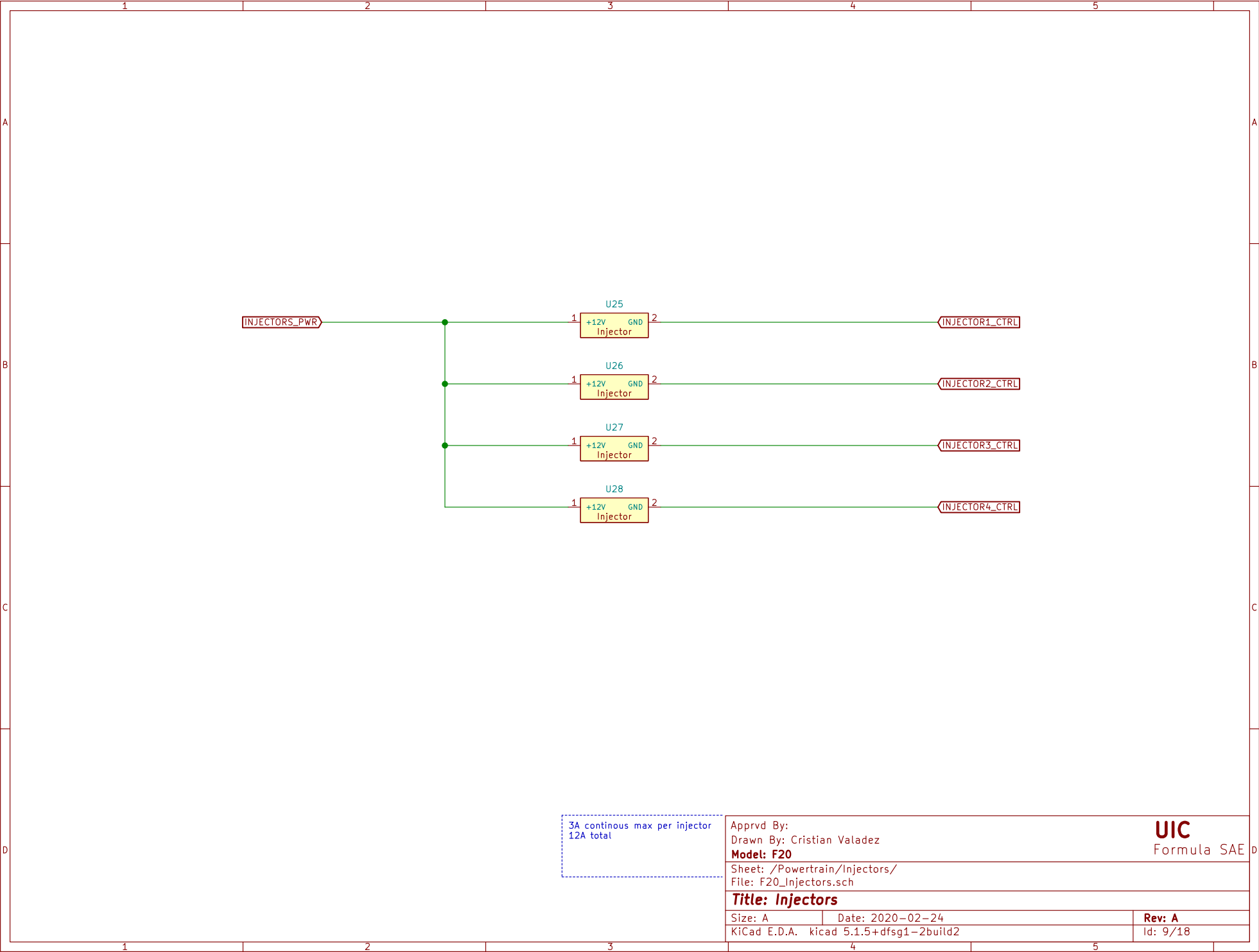






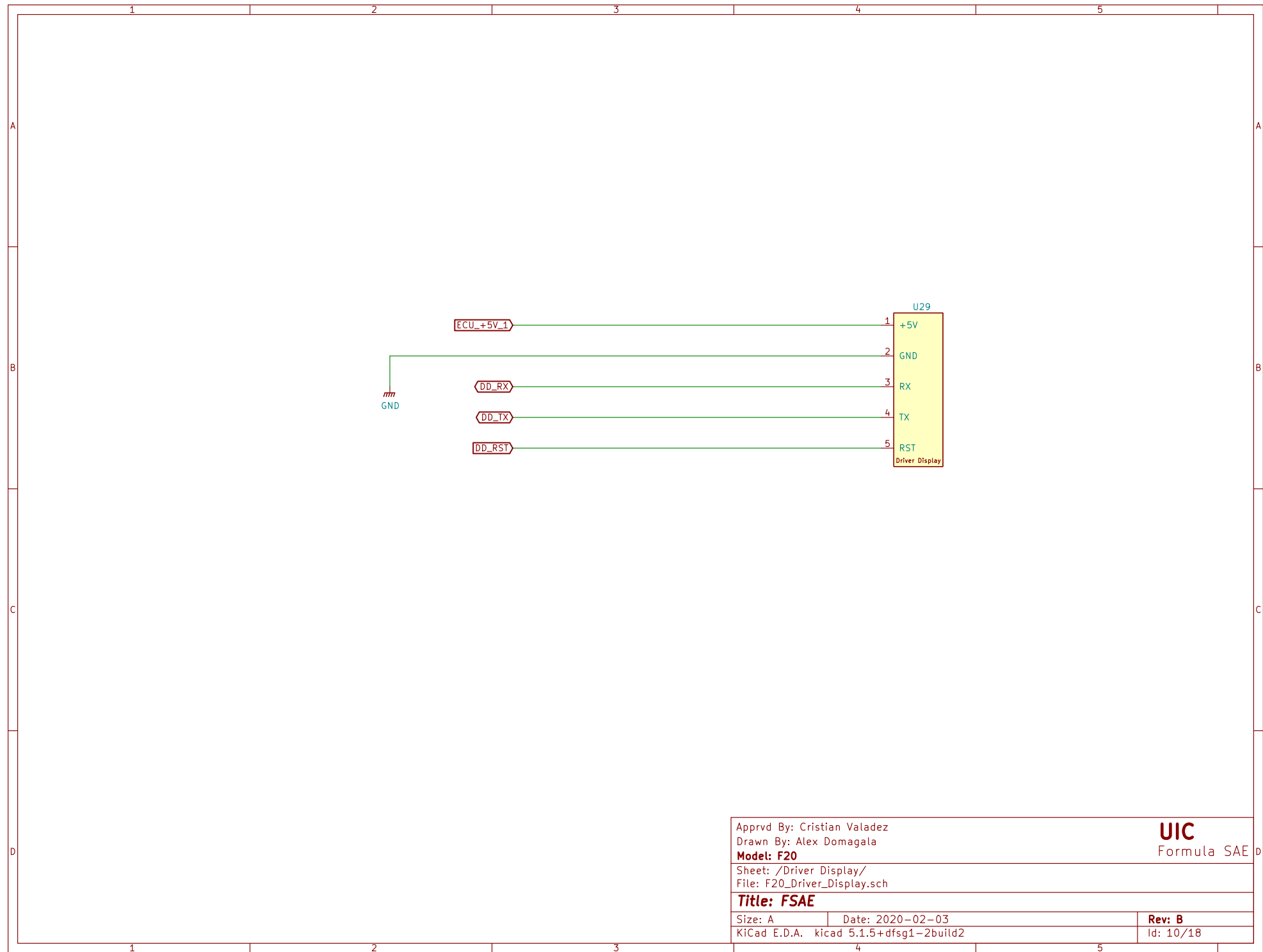
25mA max source current per coil
100mA total

Apprvd By:		UIC
Drawn By: Cristian Valadez		
Model: F20		Formula SAE
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File: F20_Coils.sch		
Title: Coil		
Size: A	Date: 2020-02-04	Rev: A
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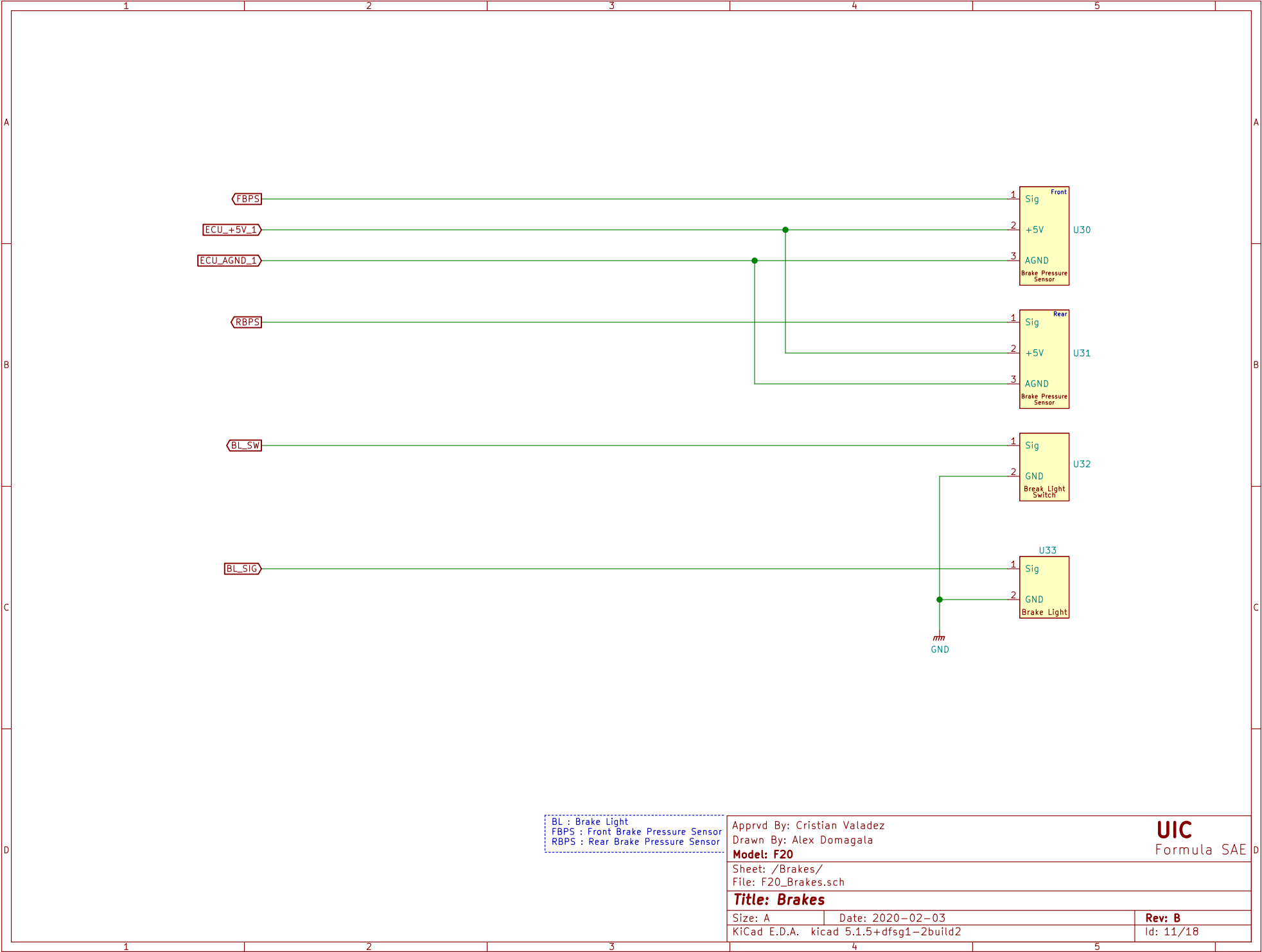


3A continous max per injector
12A total

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Drawn By: Cristian Valadez		
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Title: Injectors		
Size: A	Date: 2020-02-24	Rev: A
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Apprvd By: Cristian Valadez		UIC
Drawn By: Alex Domagala		
Model: F20		Formula SAE D
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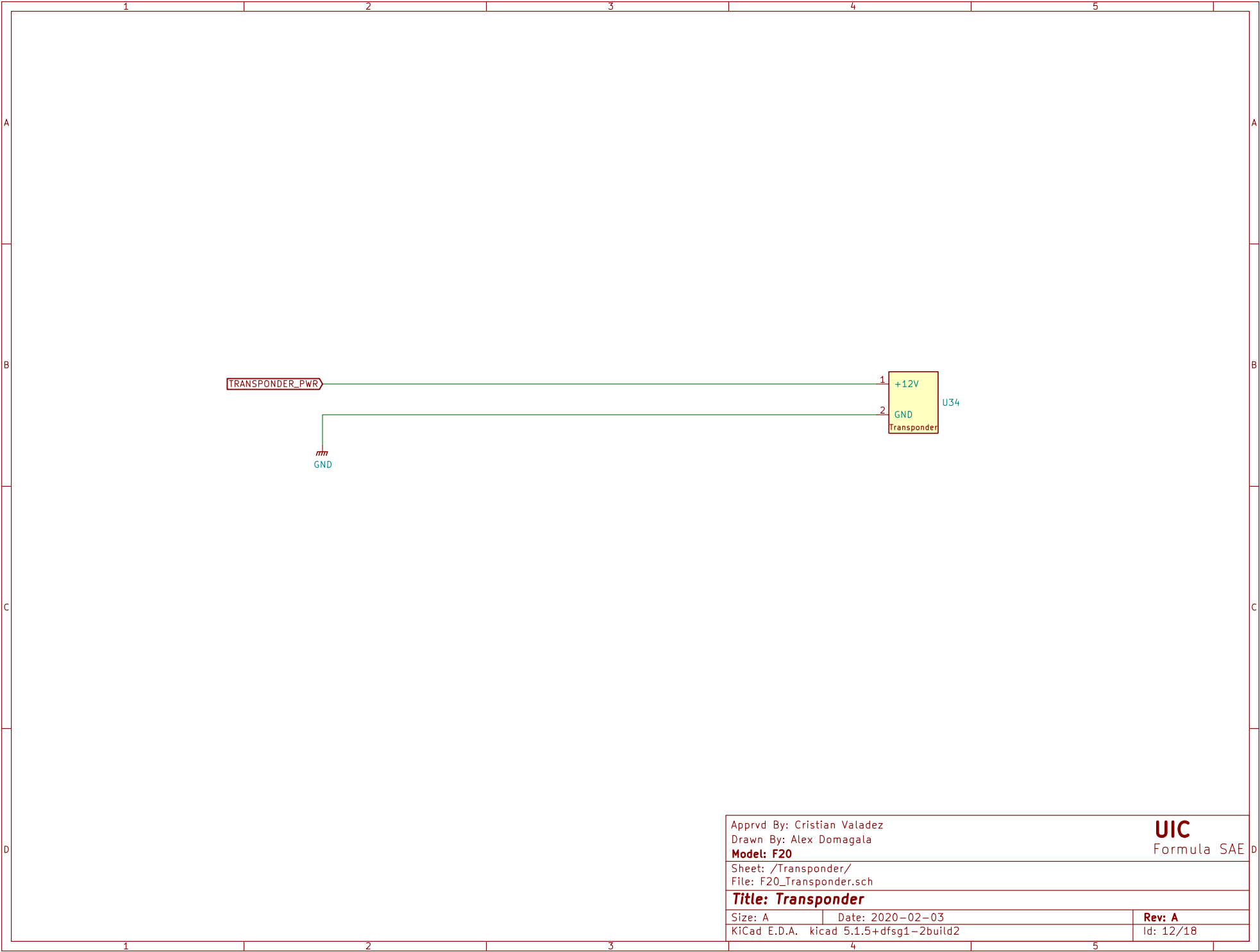


BL : Brake Light
FBPS : Front Brake Pressure Sensor
RBPS : Rear Brake Pressure Sensor

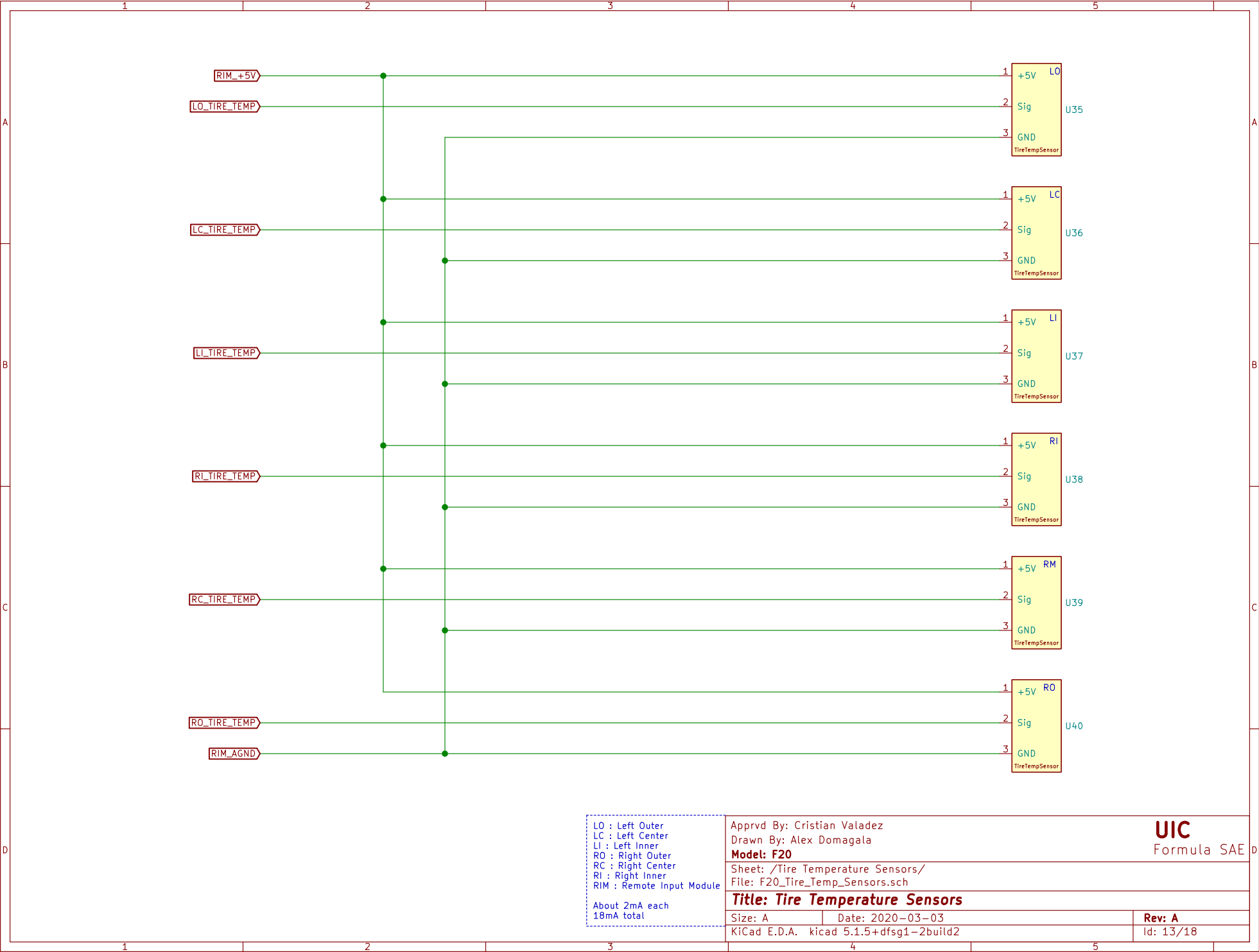
Apprvd By: Cristian Valadez
Drawn By: Alex Domagala
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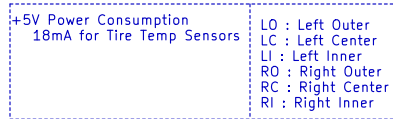
UIC
Formula SAE D

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Rev: B	
Id: 11/18	



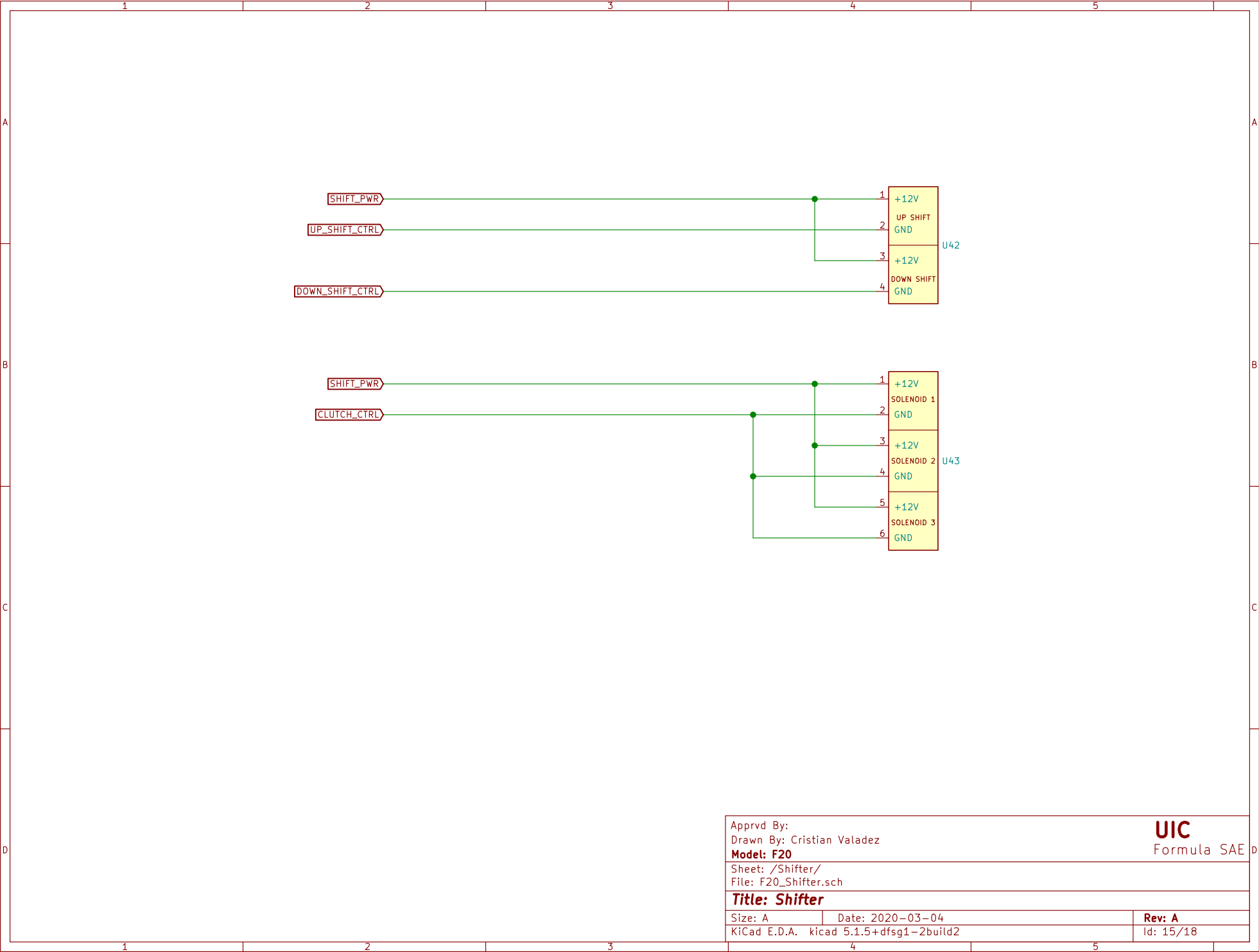
Apprvd By: Cristian Valadez		UIC Formula SAE
Drawn By: Alex Domagala		
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KiCad E.D.A. kicad 5.1.5+dfsg1-2build2		Id: 12/18



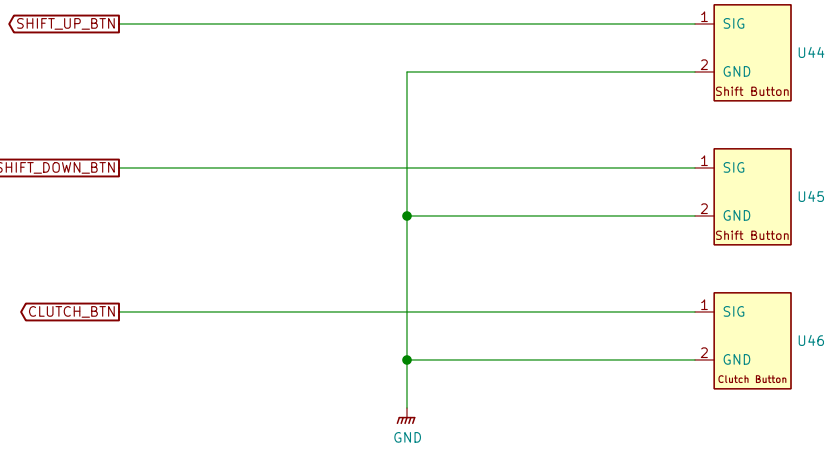


UIC
Formula SAE 0

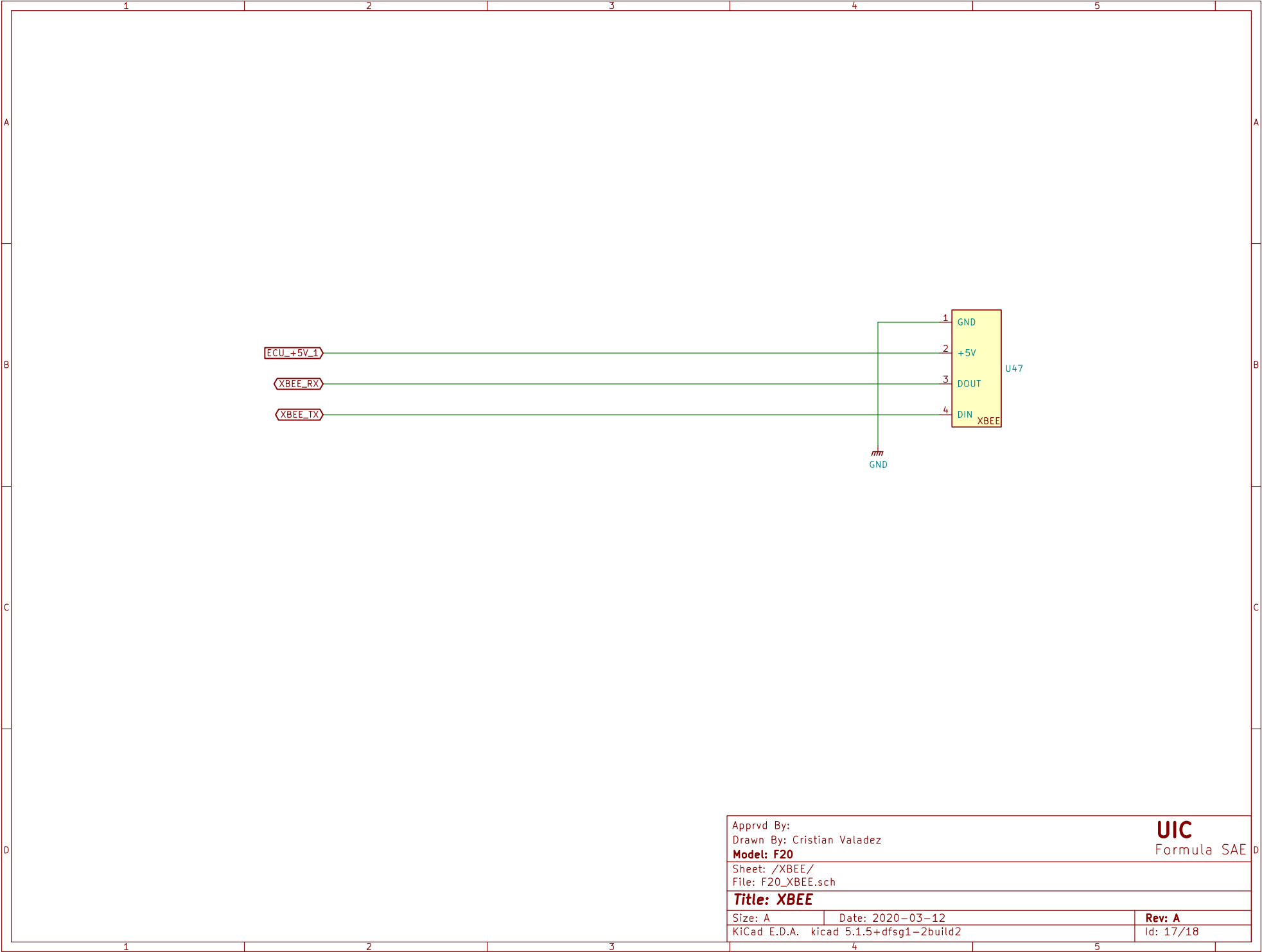
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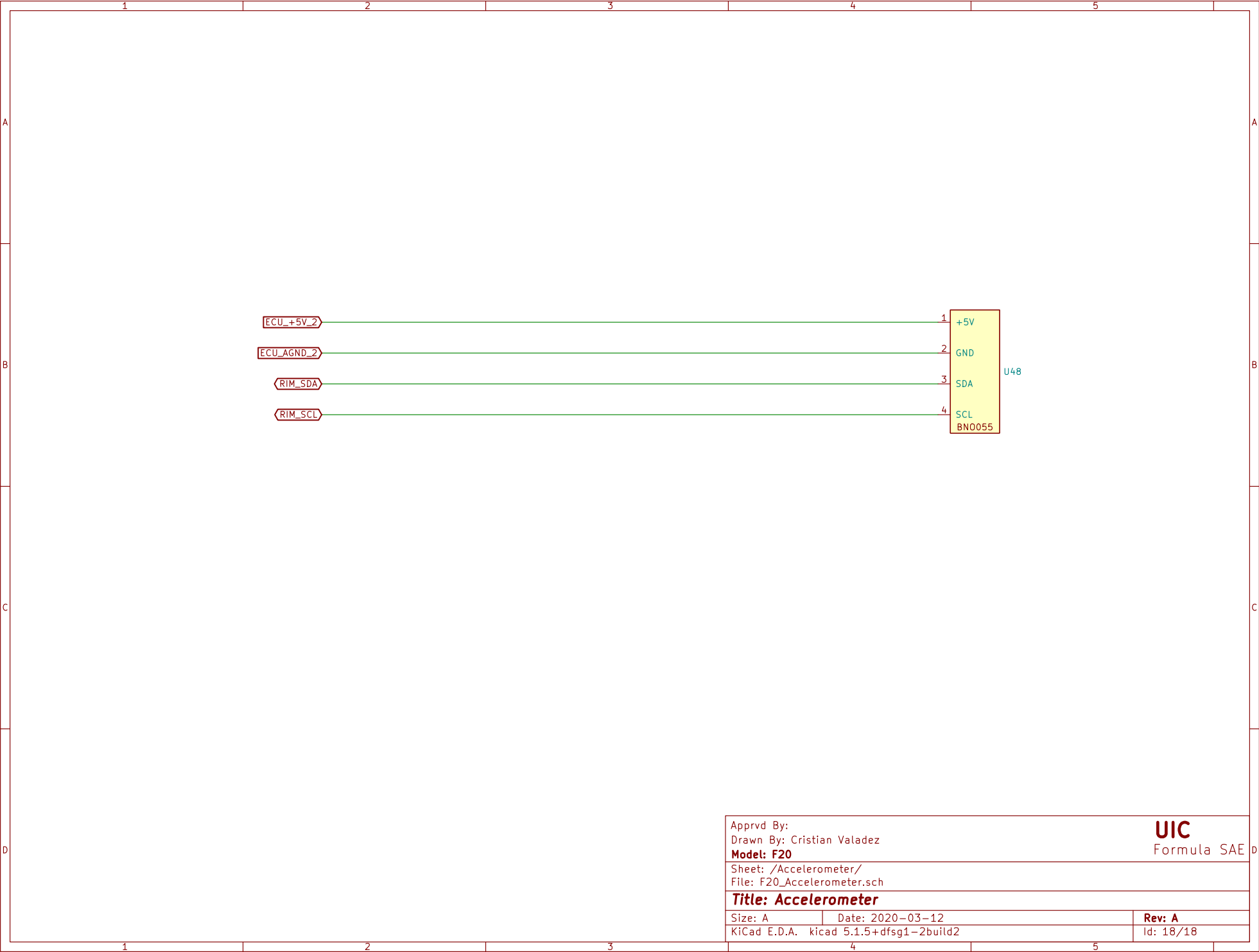
Apprvd By:		UIC	
Drawn By: Cristian Valadez		Formula SAE D	
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Size: A	Date: 2020-03-04	Rev: A	
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Apprvd By:		<div>UIC</div> <div>Formula SAE</div>	
Drawn By: Alex Domagala			
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4		5	



Apprvd By:		<div>UIC</div> <div>Formula SAE</div>
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Apprvd By:		UIC Formula SAE
Drawn By: Cristian Valadez		
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