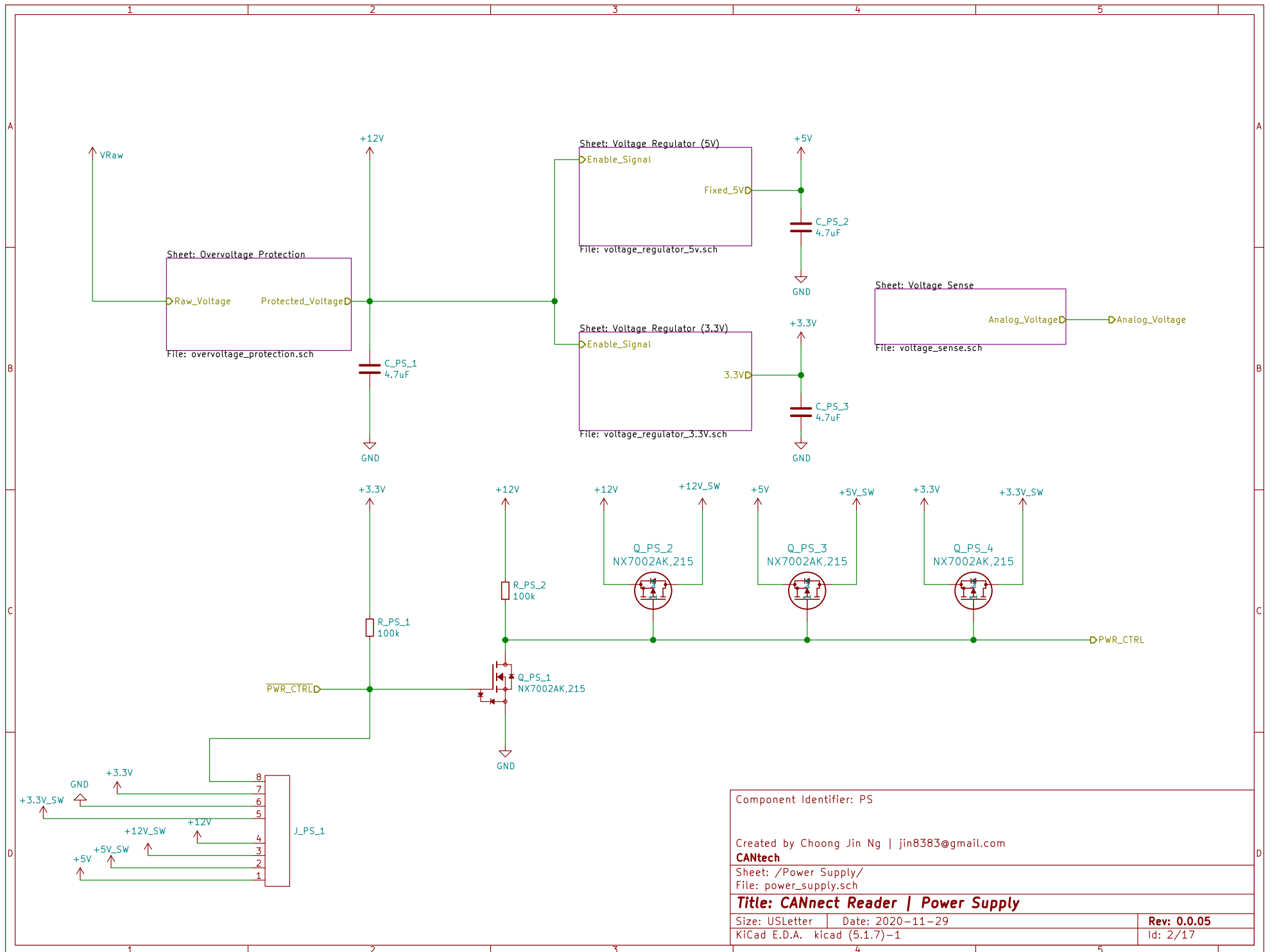
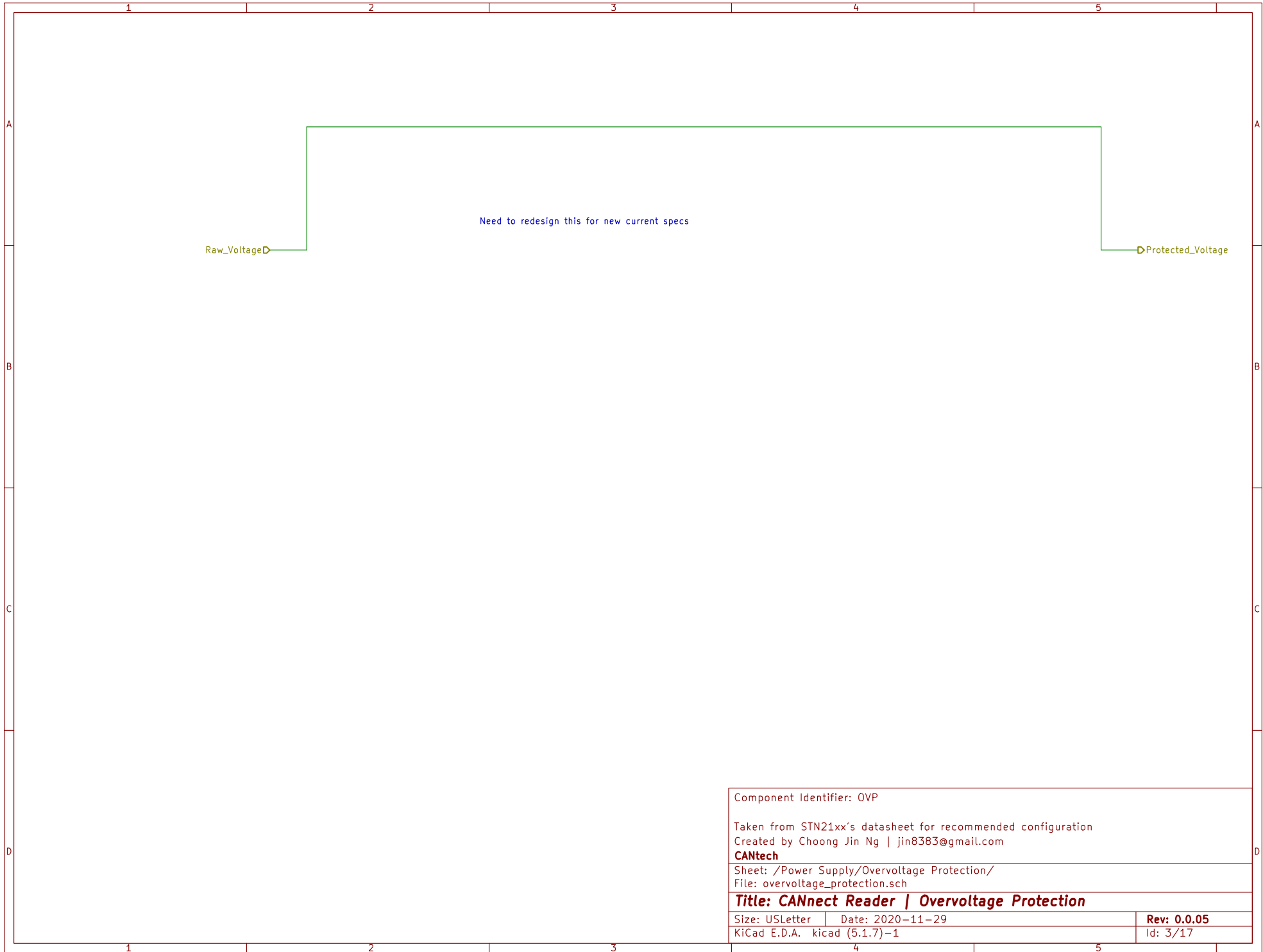
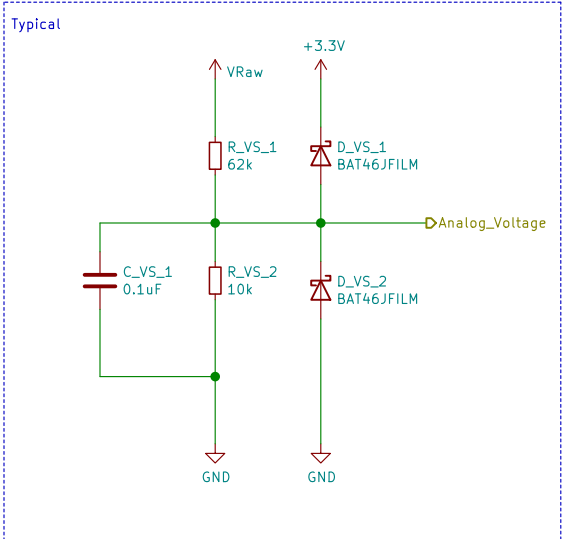


Component Identifier:		
Created by Choong Jin Ng   jin8383@gmail.com		
CANTech		
Sheet: /		
File: Reader.sch		
Title: CANnect Reader		
Size: USLetter	Date: 2020-11-29	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		Id: 1/17

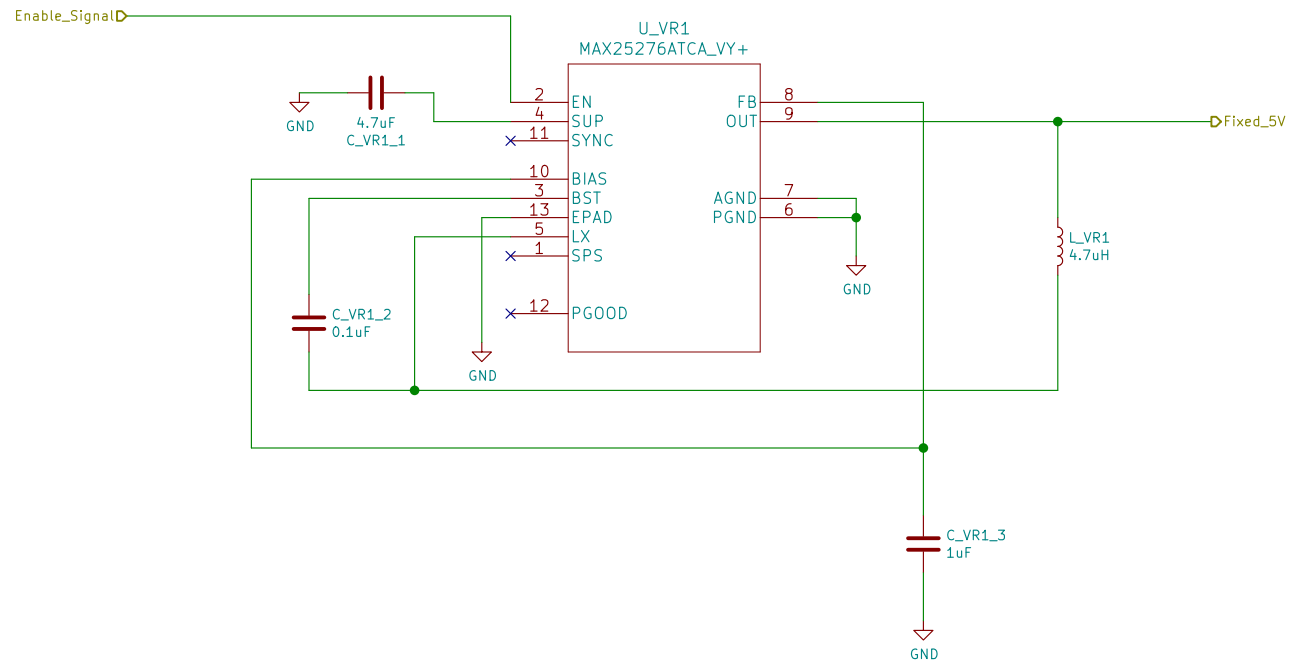


Component Identifier: PS		
Created by Choong Jin Ng   jin8383@gmail.com		
CANtech		
Sheet: /Power Supply/		
File: power_supply.sch		
Title: CANnect Reader   Power Supply		
Size: USLetter	Date: 2020-11-29	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		





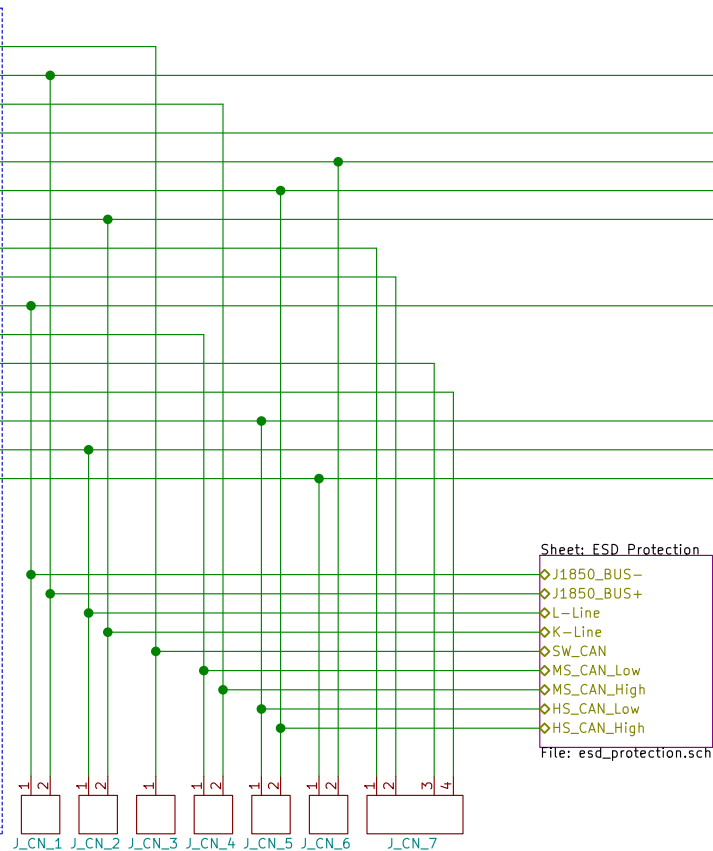
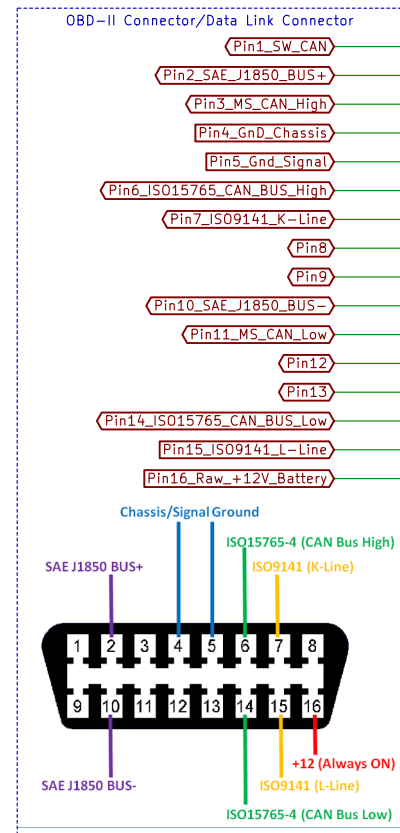
Component Identifier: VS		
Taken from STN21xx's datasheet for recommended configuration Created by Choong Jin Ng   jin8383@gmail.com		
<b>CANtech</b>		
Sheet: /Power Supply/Voltage Sense/ File: voltage_sense.sch		
<b>Title: CANnect Reader / Voltage Sense</b>		
Size: USLetter	Date: 2020-11-29	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		Id: 4/17



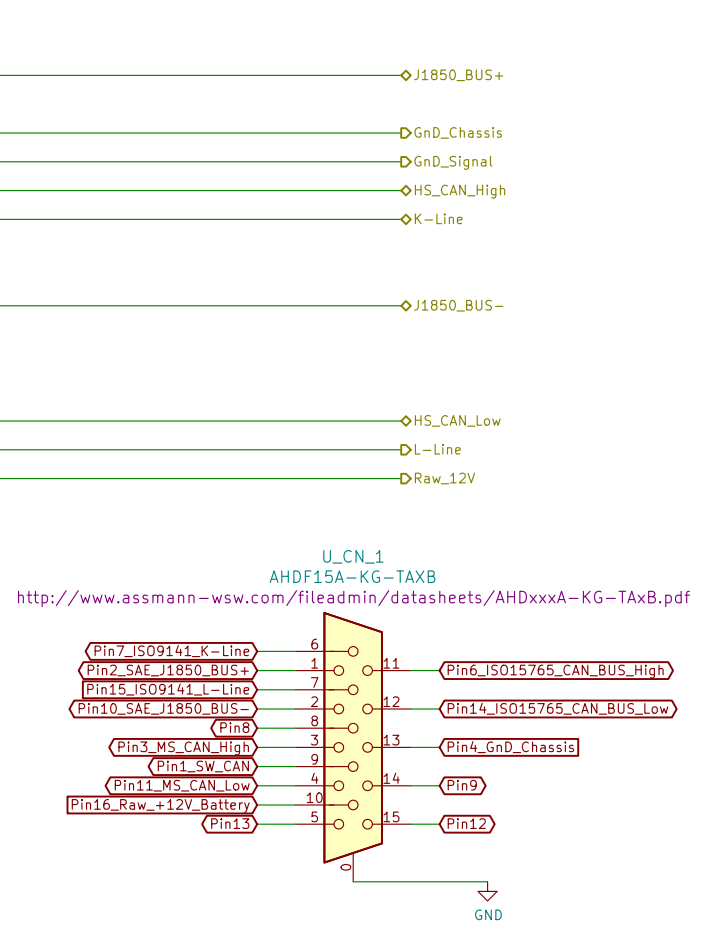
Component Identifier: VR1		
Created by Choong Jin Ng   jin8383@gmail.com		
<b>CANtech</b>		
Sheet: /Power Supply/Voltage Regulator (5V)/		
File: voltage_regulator_5v.sch		
<b>Title: CANnect Reader   Voltage Regulator (5V)</b>		
Size: USLetter	Date: 2020-11-29	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		Id: 5/17



Reference: [https://components101.com/sites/default/files/component\\_pin/OBD2-Connector-Pinout.png](https://components101.com/sites/default/files/component_pin/OBD2-Connector-Pinout.png)



OBD Connector into Reader through DB15-HD



Component Identifier: CN

Taken from STN21xx's datasheet for recommended configuration  
Created by Choong Jin Ng | jin8383@gmail.com

CANtech

Sheet: /OBD Connector/  
File: obd\_connector.sch

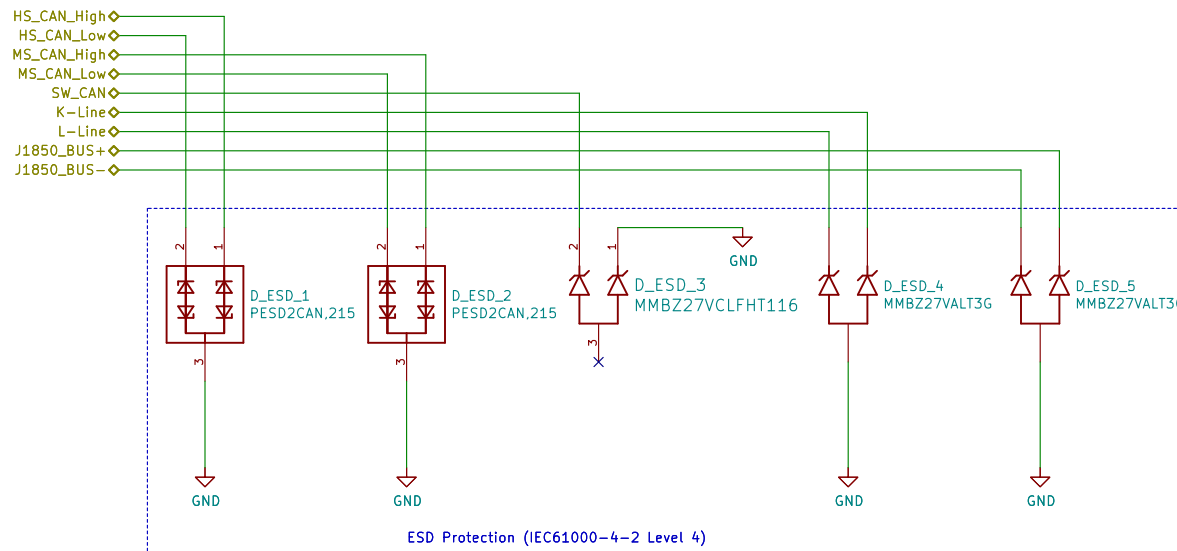
**Title: CANnect Reader | OBD Connector**

Size: USLetter Date: 2020-11-29

KiCad E.D.A. kicad (5.1.7)-1

Rev: 0.0.05

Id: 7/17



Component Identifier: ESD  
Taken from STN21xx's datasheet for recommended configuration

Created by Choong Jin Ng | jin8383@gmail.com

**CANtech**

Sheet: /OBD Connector/ESD Protection/  
File: esd\_protection.sch

**Title: CANnect Reader | ESD Protection**

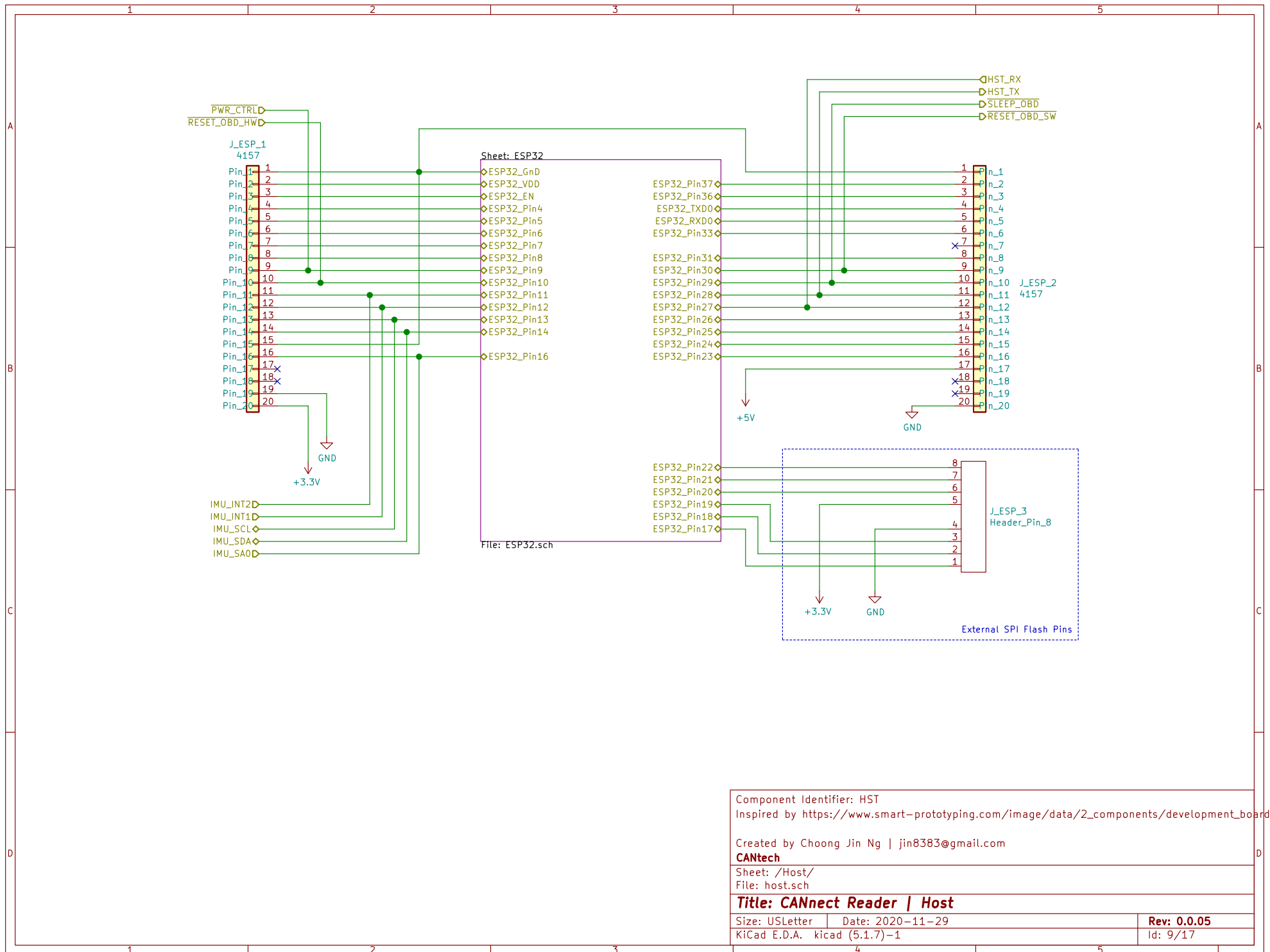
Size: USLetter | Date: 2020-11-29

KiCad E.D.A. kicad (5.1.7)-1

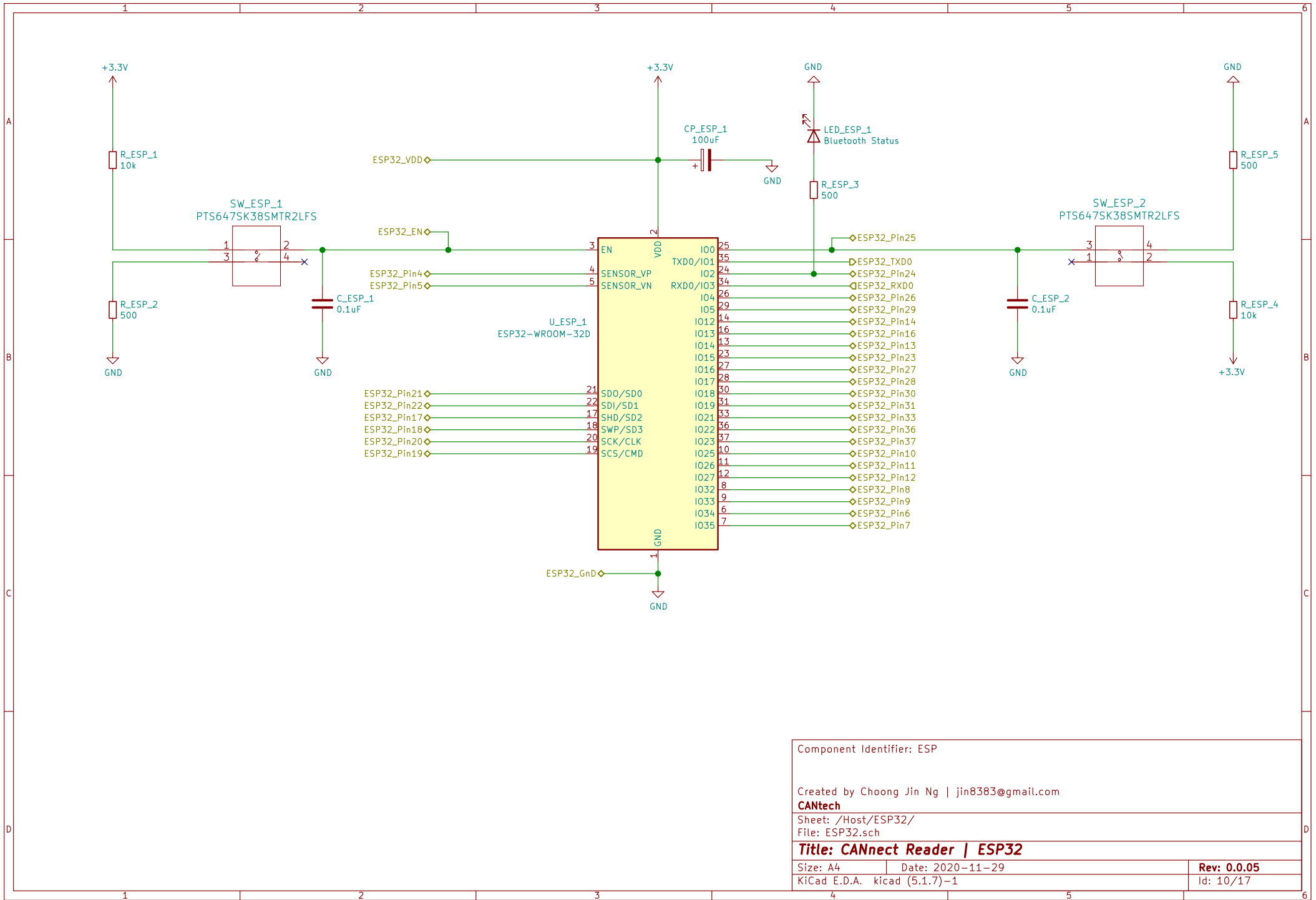
**Rev: 0.0.05**

Id: 8/17

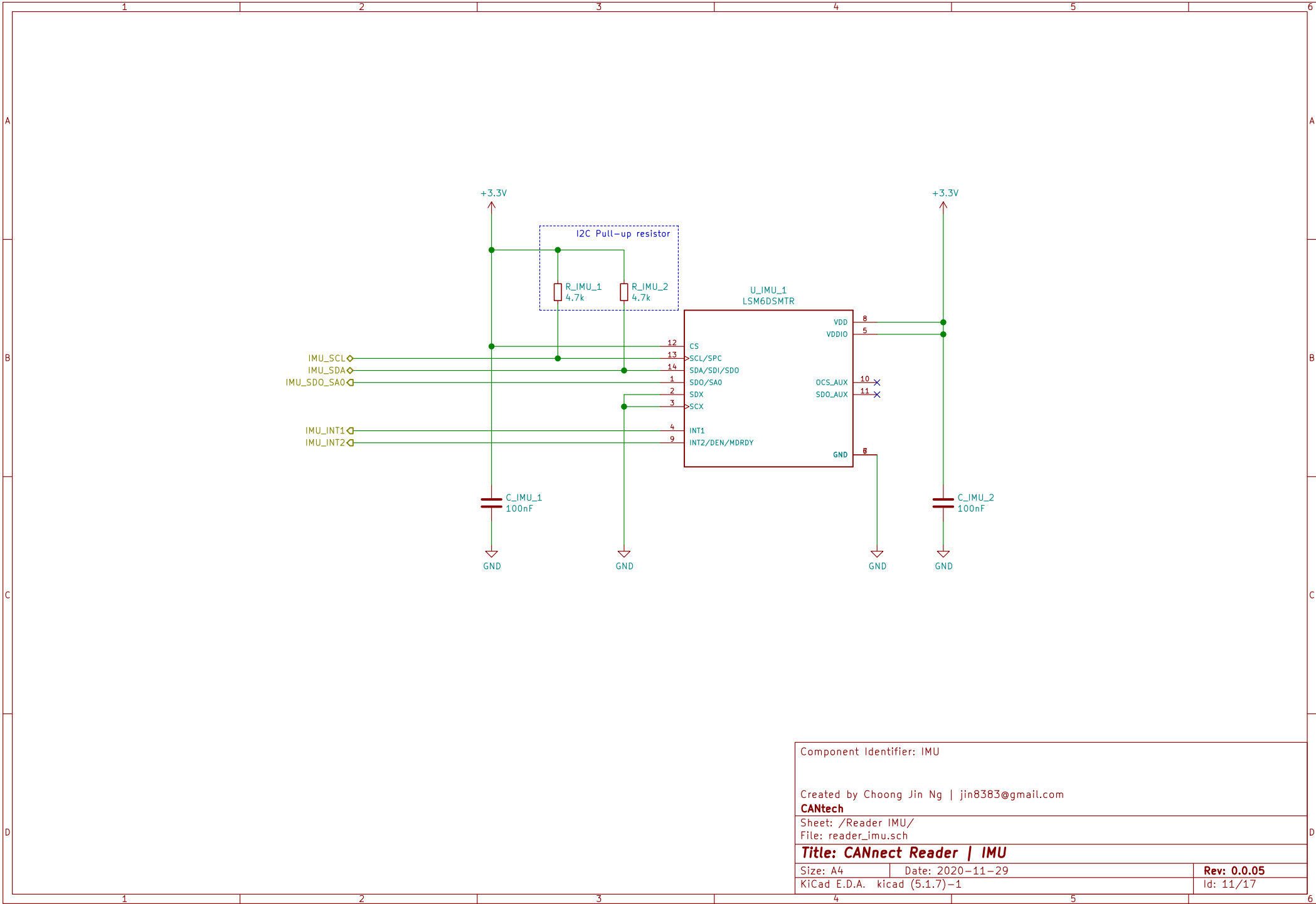


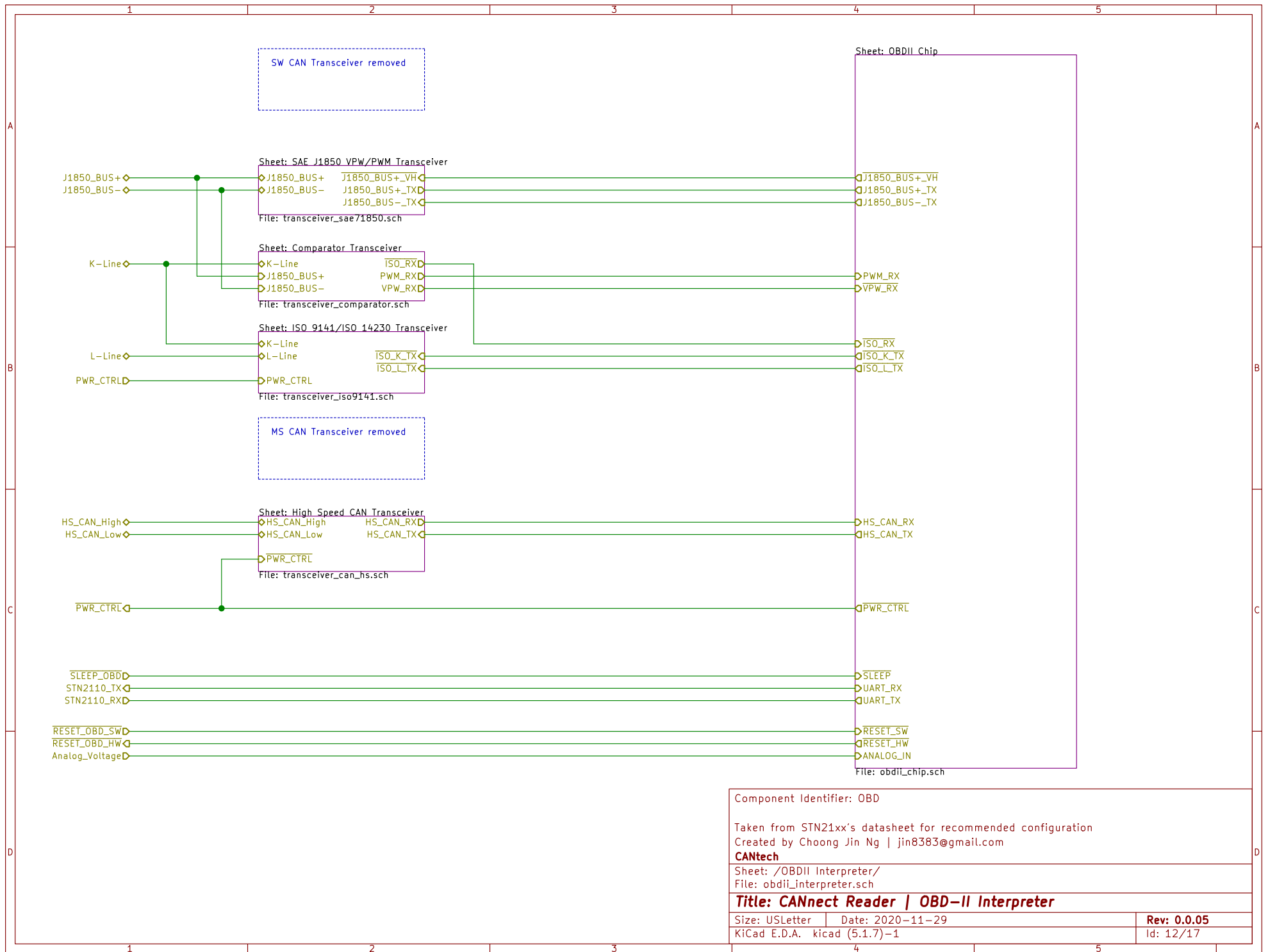


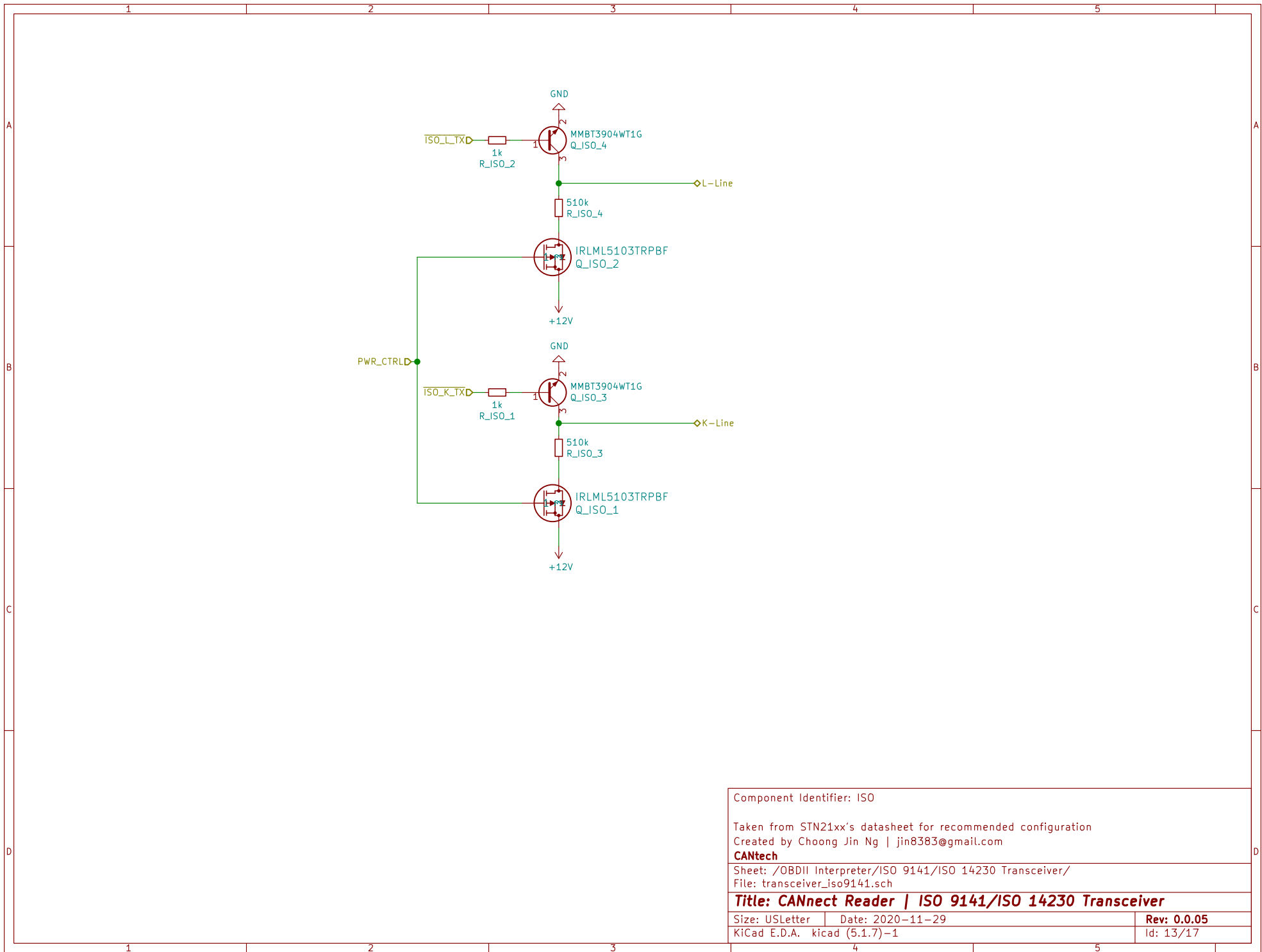
Component Identifier: HST		
Inspired by <a href="https://www.smart-prototyping.com/image/data/2_components/development_board/10183">https://www.smart-prototyping.com/image/data/2_components/development_board/10183</a>		
Created by Choong Jin Ng   jin8383@gmail.com		
CANtech		
Sheet: /Host/		
File: host.sch		
Title: CANnect Reader / Host		
Size: USLetter	Date: 2020-11-29	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		Id: 9/17



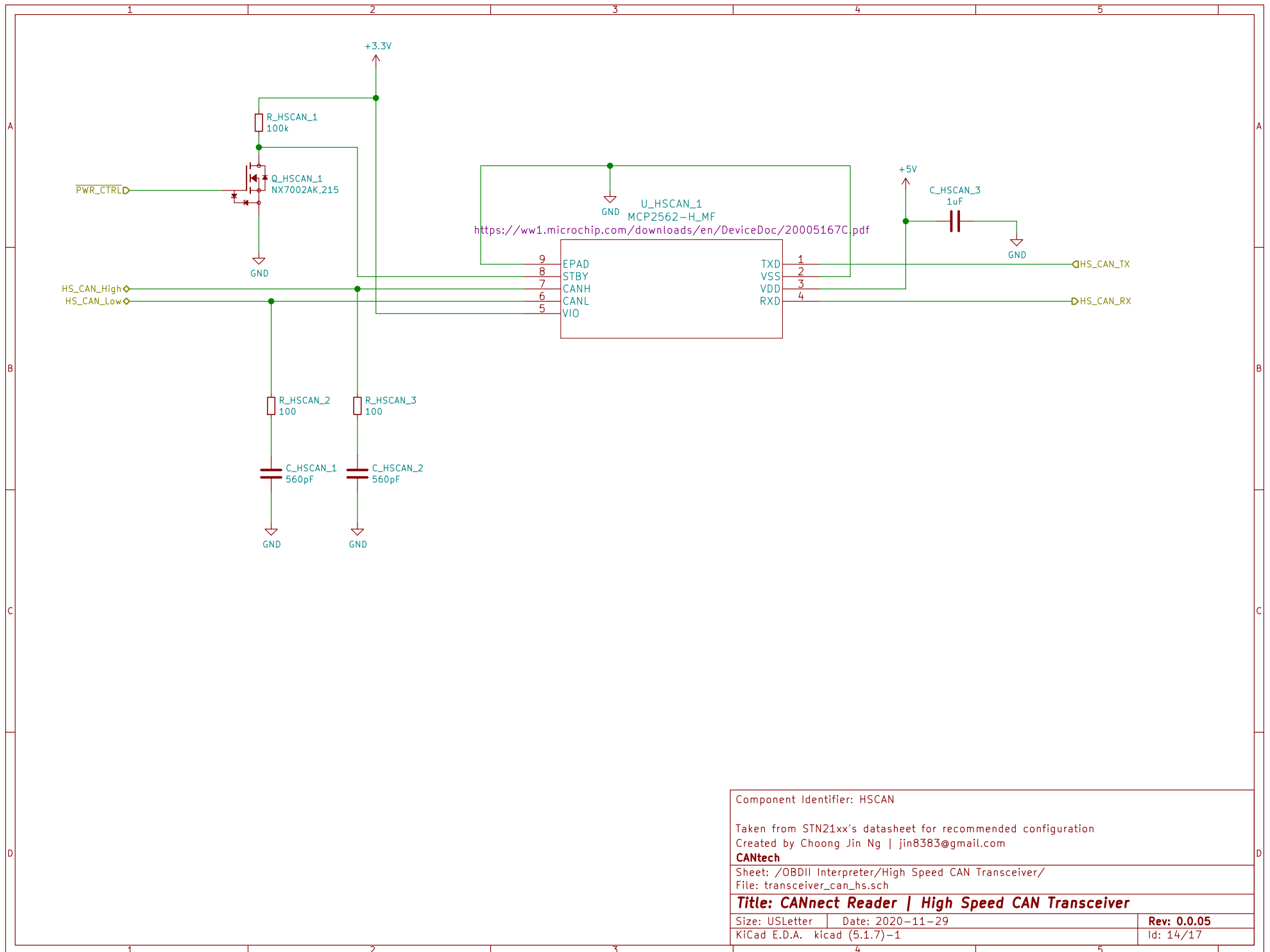
Component Identifier: ESP		
Created by Choong Jin Ng   jin8383@gmail.com		
CANtech		
Sheet: /Host/ESP32/		
File: ESP32.sch		
Title: CANnect Reader   ESP32		
Size: A4	Date: 2020-11-29	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		Id: 10/17







Component Identifier: ISO		
Taken from STN21xx's datasheet for recommended configuration		
Created by Choong Jin Ng   jin8383@gmail.com		
CANtech		
Sheet: /OBDII Interpreter/ISO 9141/ISO 14230 Transceiver/		
File: transceiver_iso9141.sch		
Title: CANnect Reader   ISO 9141/ISO 14230 Transceiver		
Size: USLetter	Date: 2020-11-29	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1	Id: 13/17	



Component Identifier: HSCAN		
Taken from STN21xx's datasheet for recommended configuration		
Created by Choong Jin Ng   jin8383@gmail.com		
CANTech		
Sheet: /OBDII Interpreter/High Speed CAN Transceiver/ File: transceiver_can_hs.sch		
Title: CANnect Reader   High Speed CAN Transceiver		
Size: USLetter	Date: 2020-11-29	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		Id: 14/17

