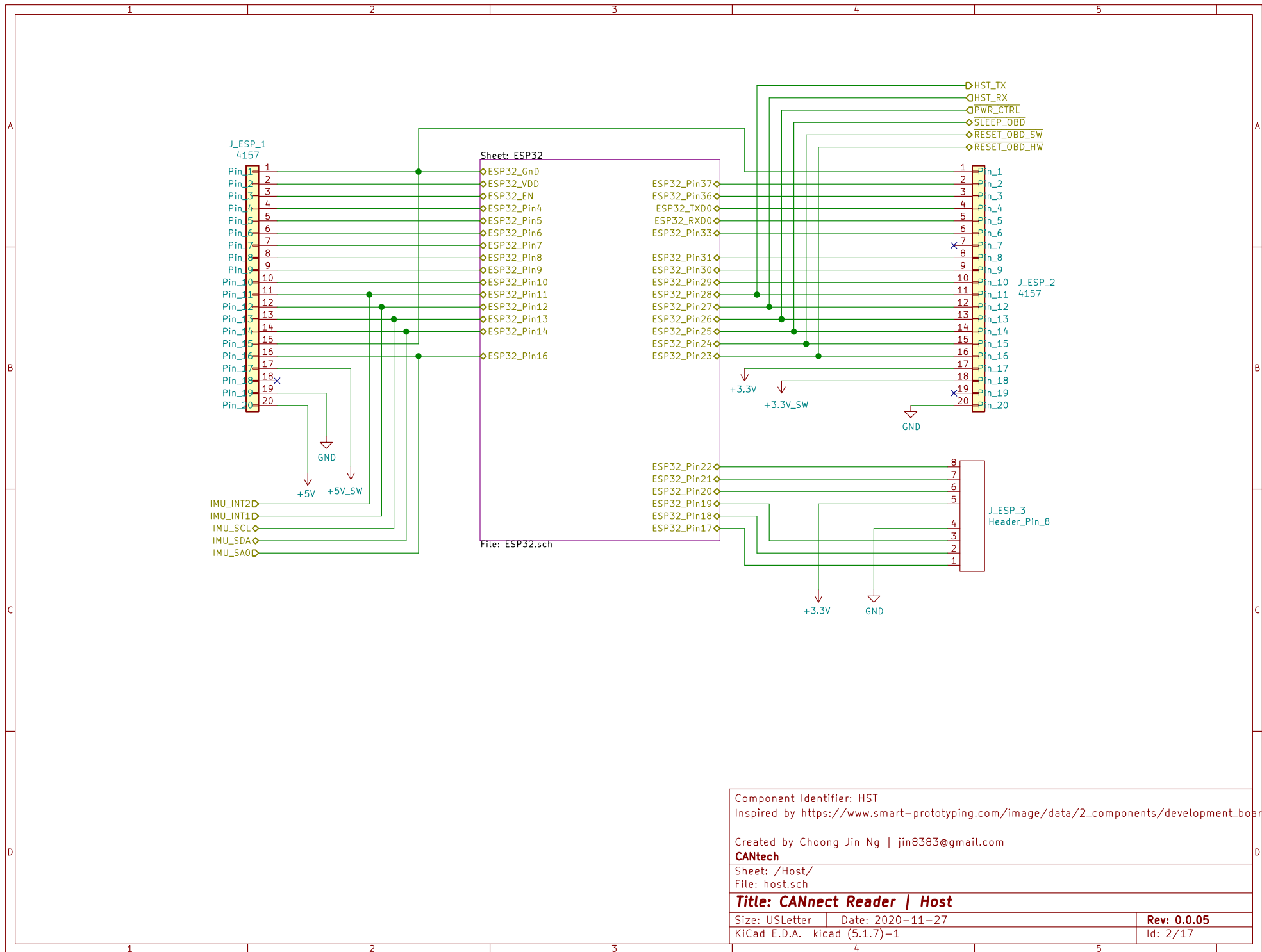
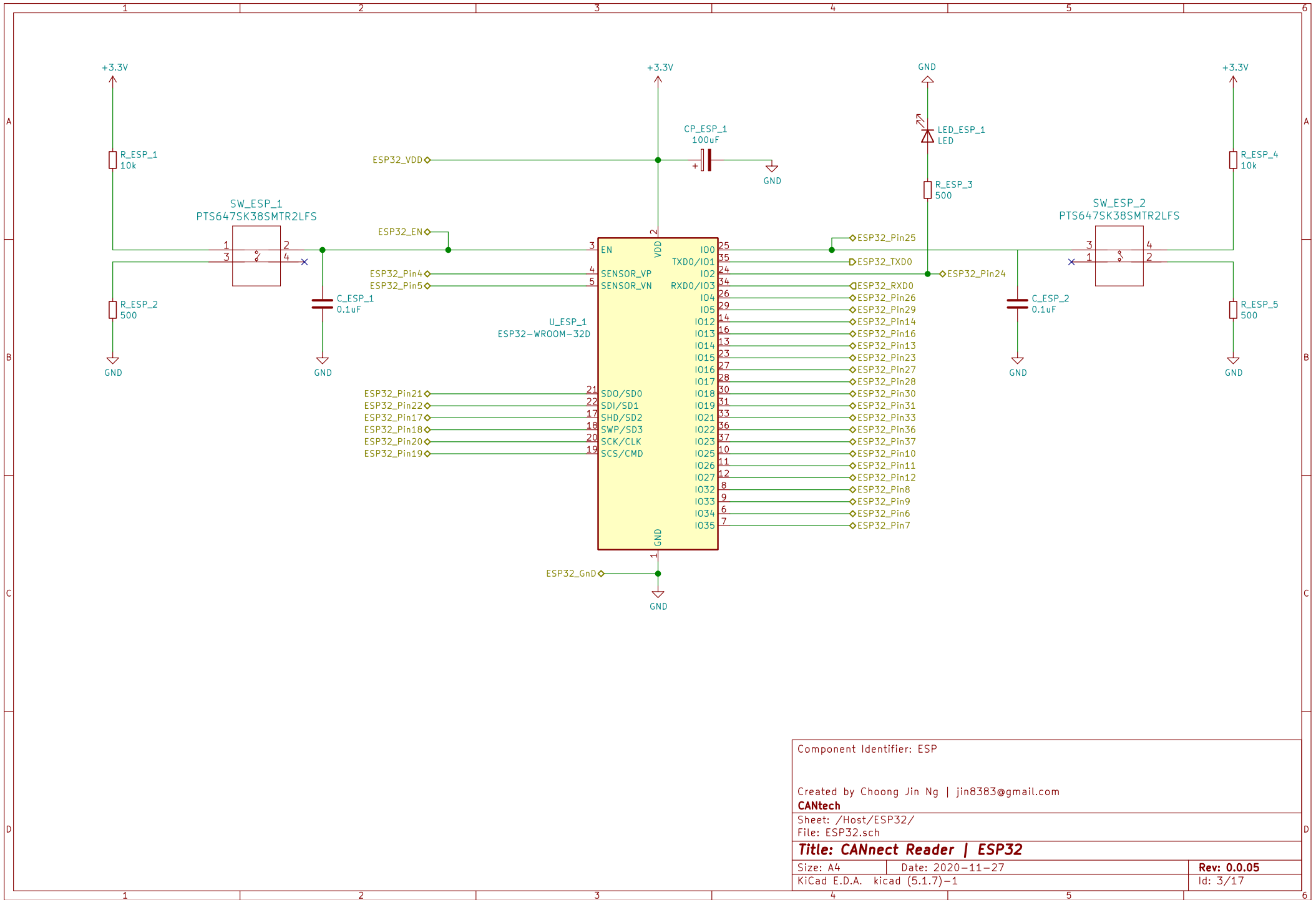


Component Identifier:		
Created by Choong Jin Ng   jin8383@gmail.com		
CANtech		
Sheet: /		
File: Reader.sch		
Title: CANnect Reader		
Size: USLetter	Date: 2020-11-27	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		Id: 1/17





Component Identifier: ESP

Created by Choong Jin Ng | jin8383@gmail.com

CANtech

Sheet: /Host/ESP32/

File: ESP32.sch

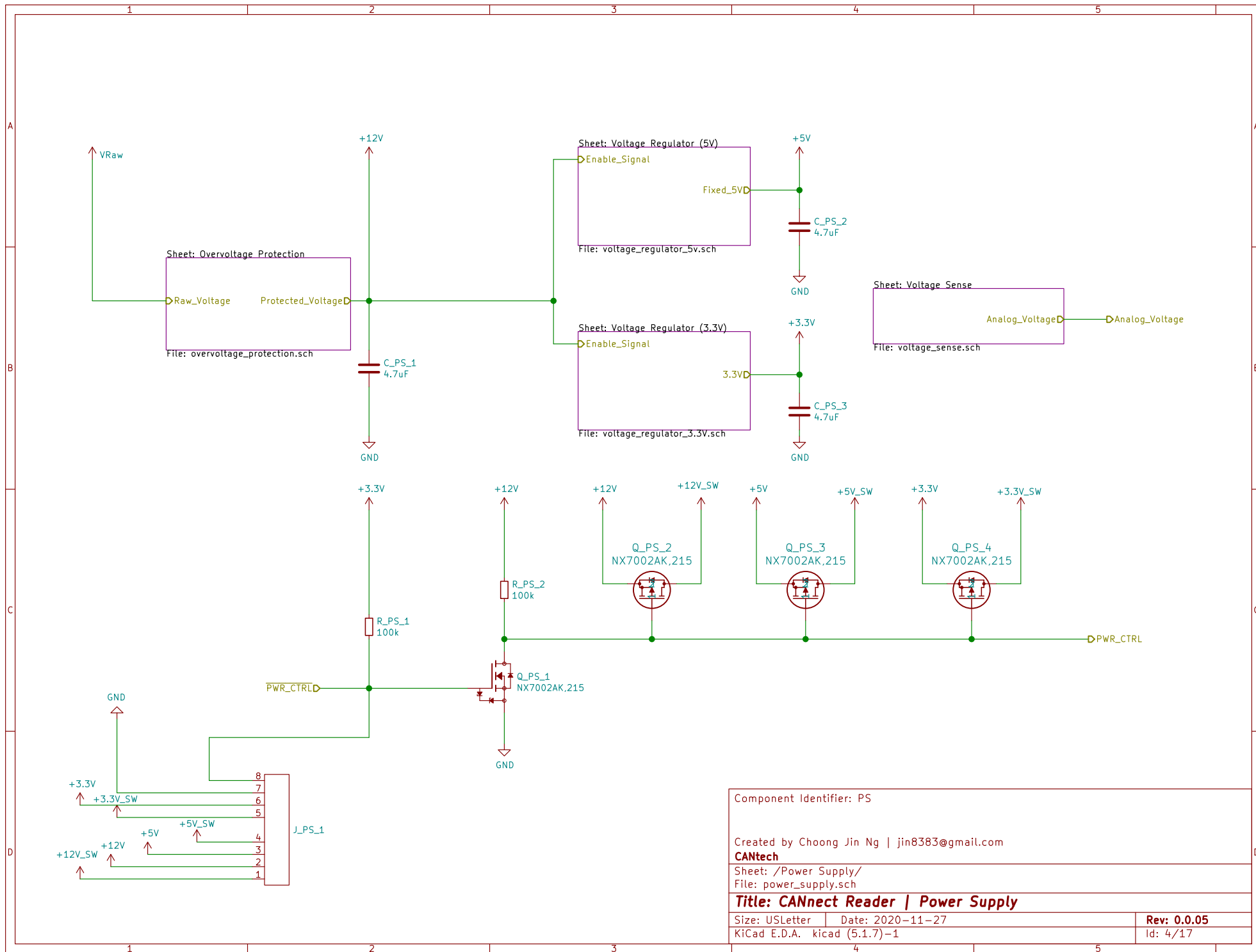
**Title: CANnect Reader | ESP32**

Size: A4 Date: 2020-11-27

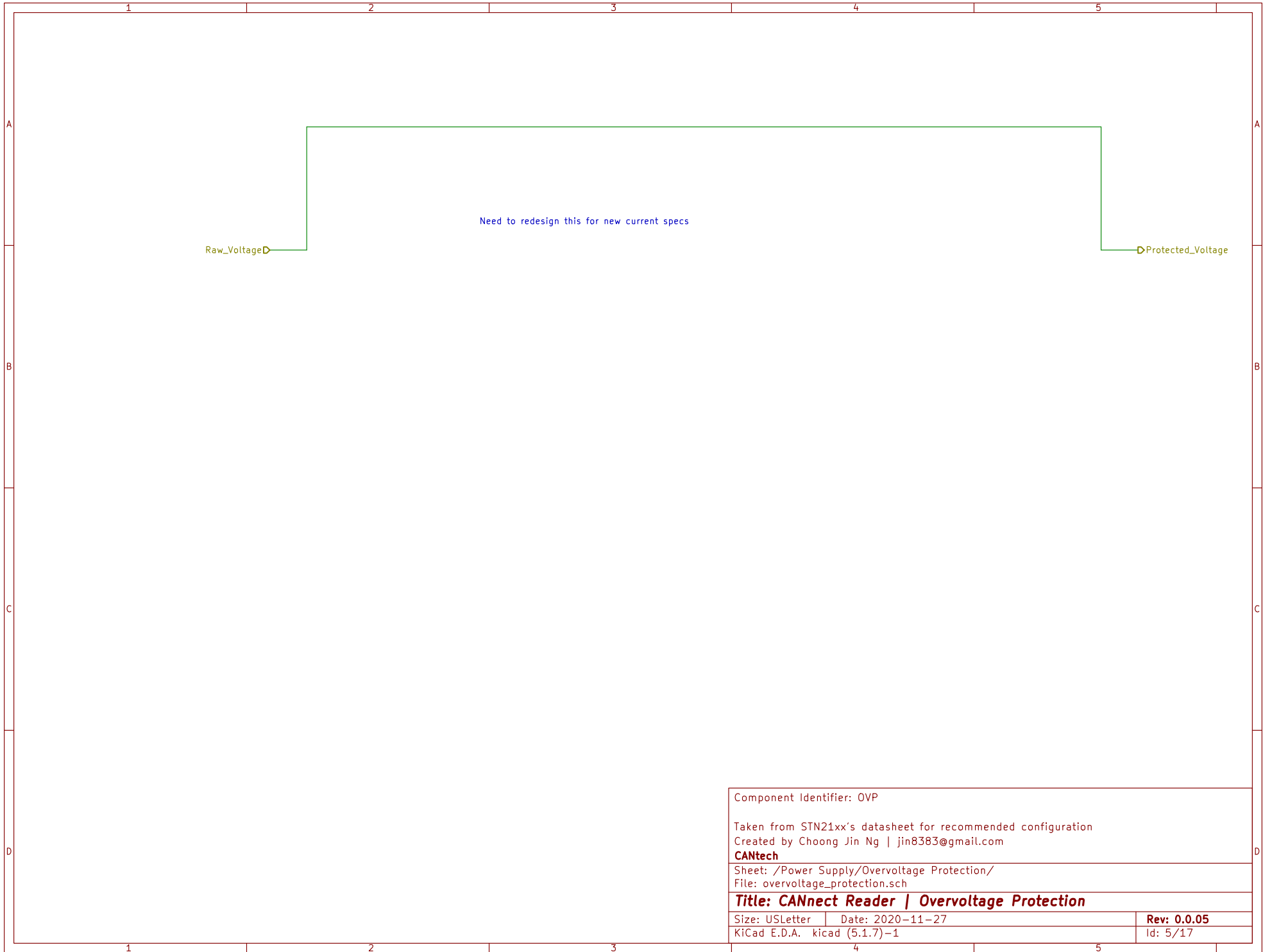
KiCad E.D.A. kicad (5.1.7)-1

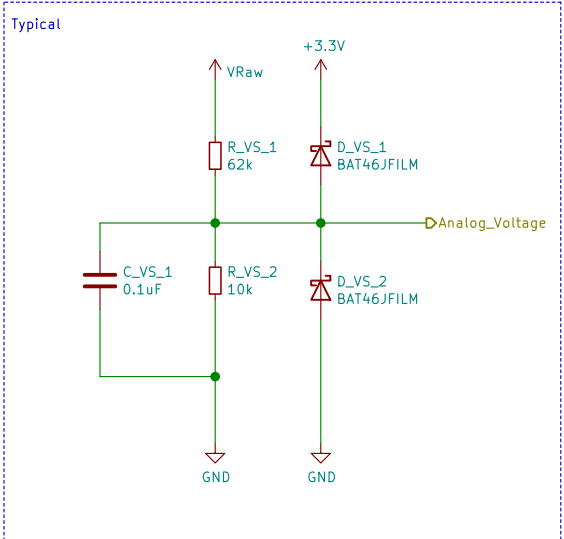
Rev: 0.0.05

Id: 3/17

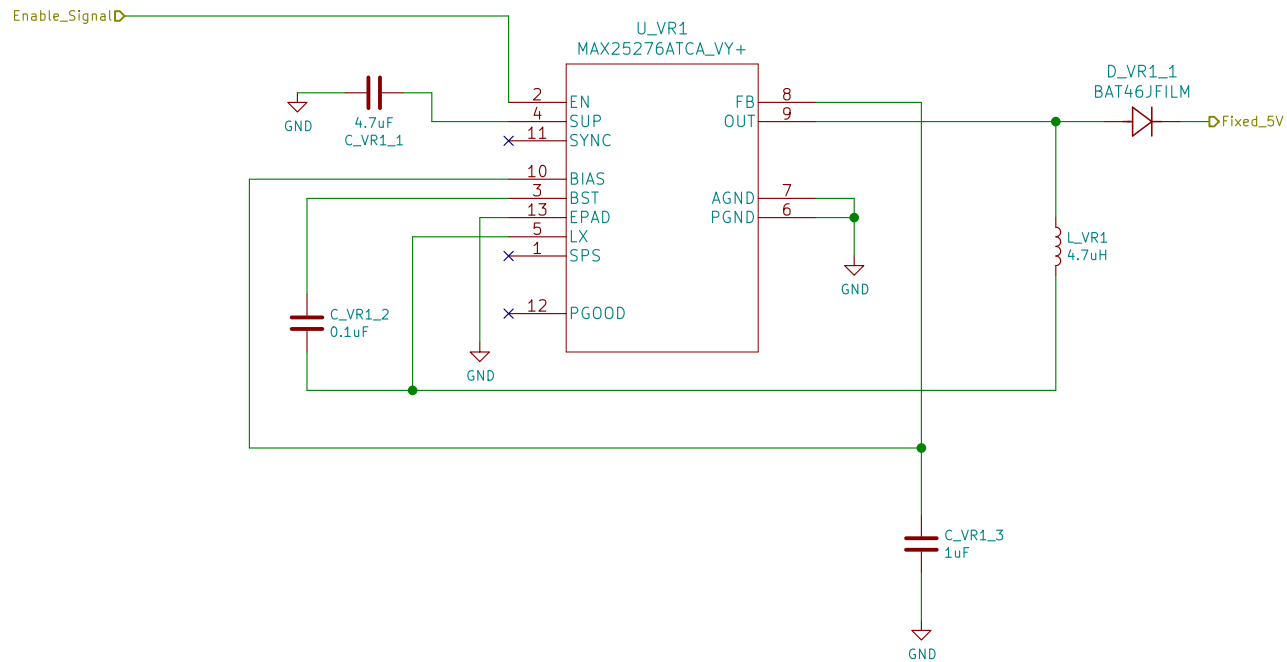


Component Identifier: PS	
Created by Choong Jin Ng   jin8383@gmail.com	
CANtech	
Sheet: /Power Supply/	
File: power_supply.sch	
Title: CANnect Reader   Power Supply	
Size: USLetter	Date: 2020-11-27
KiCad E.D.A. kicad (5.1.7)-1	Rev: 0.0.05
	Id: 4/17

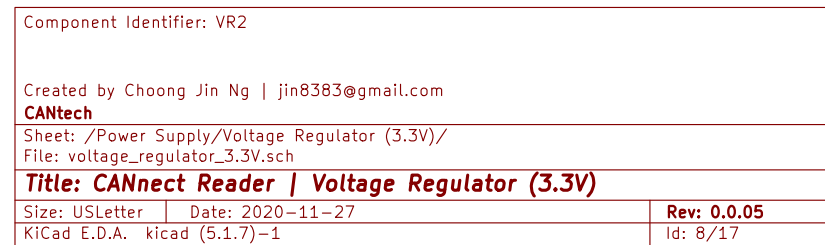




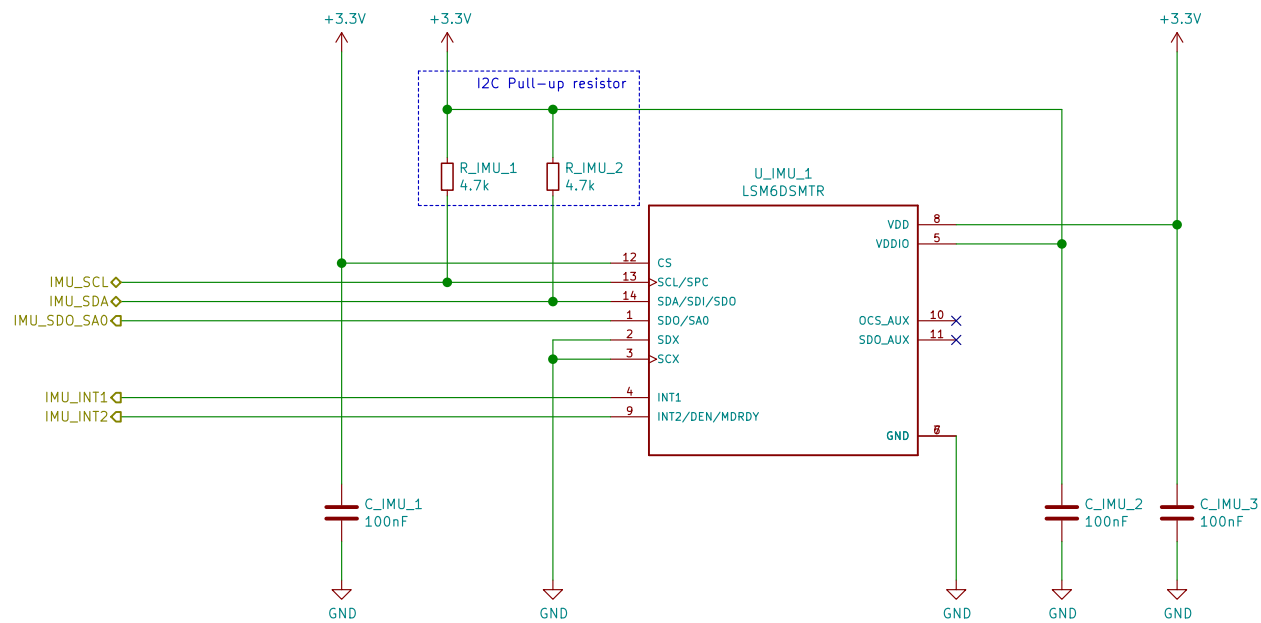
Component Identifier: VS		
Taken from STN21xx's datasheet for recommended configuration Created by Choong Jin Ng   jin8383@gmail.com		
<b>CANtech</b>		
Sheet: /Power Supply/Voltage Sense/ File: voltage_sense.sch		
<b>Title: CANnect Reader / Voltage Sense</b>		
Size: USLetter	Date: 2020-11-27	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		Id: 6/17



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: 2020-11-27	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		Id: 7/17

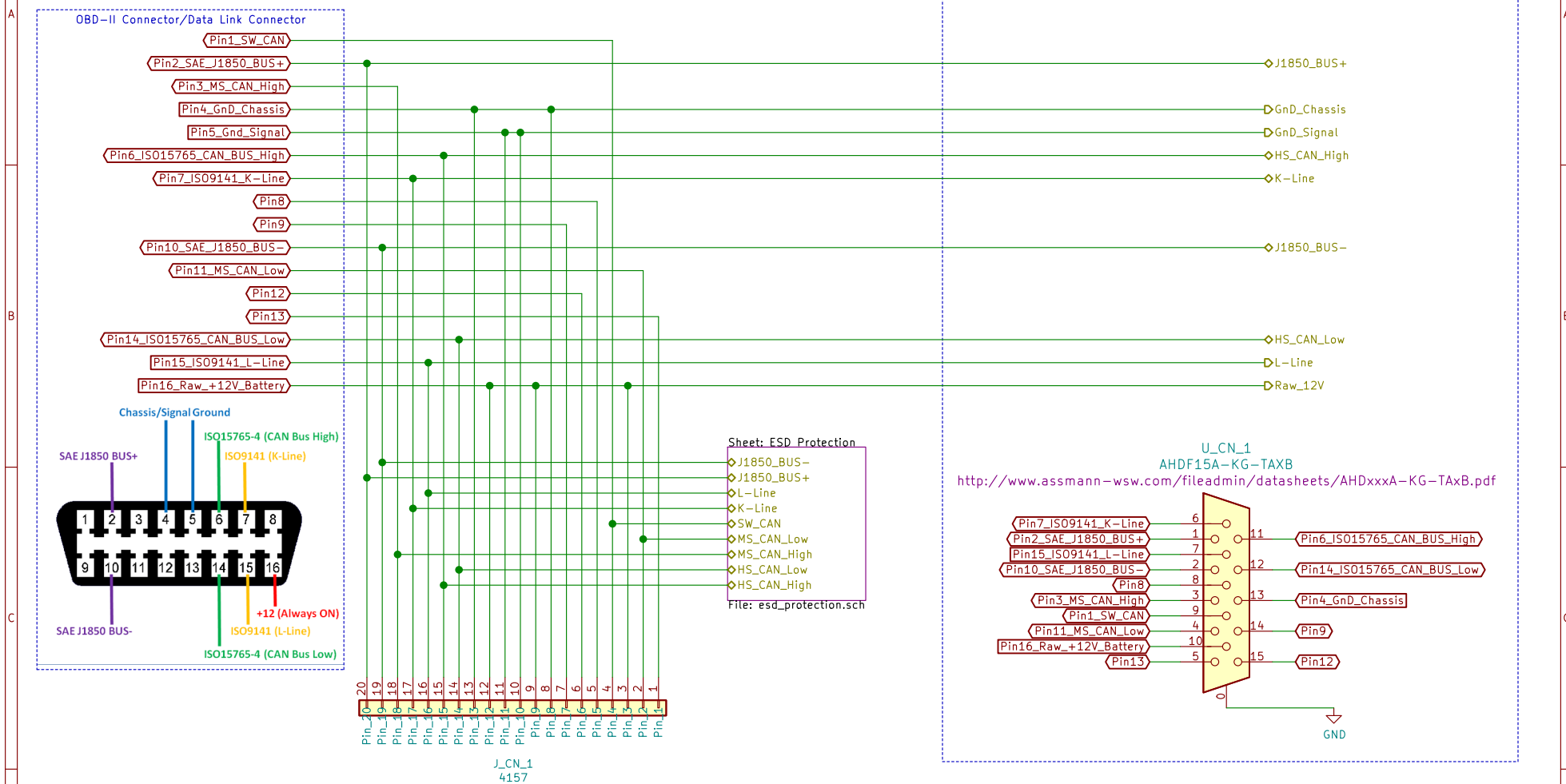






Component Identifier: IMU		
Created by Choong Jin Ng   jin8383@gmail.com		
CANtech		
Sheet: /Reader IMU/		
File: reader_imu.sch		
Title: CANnect Reader   IMU		
Size: A4	Date: 2020-11-27	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1		Id: 9/17

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)



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

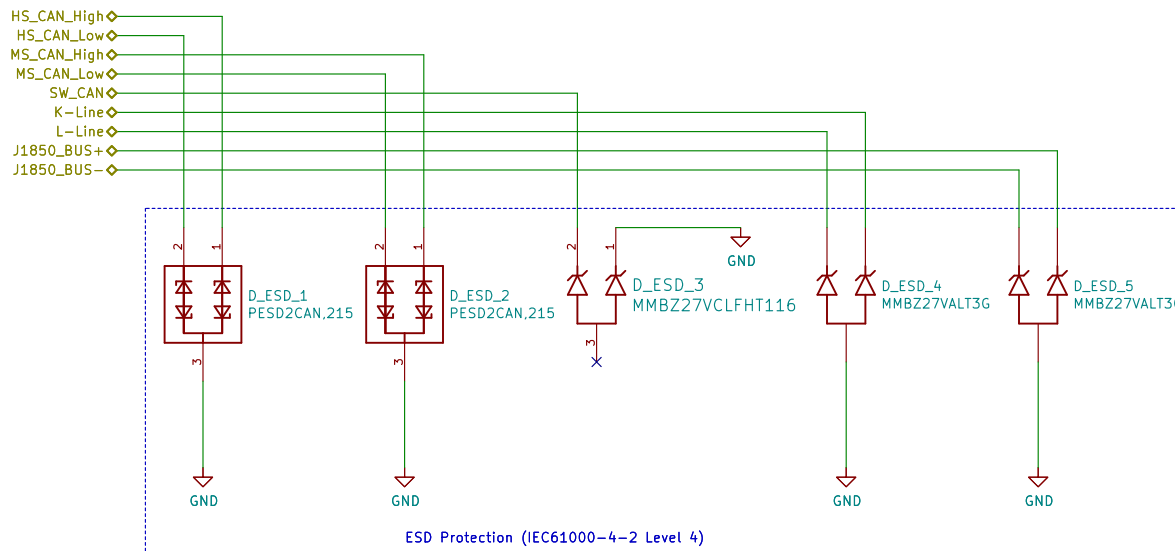
**Title: CANnect Reader | OBD Connector**

Size: USLetter Date: 2020-11-27

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

Rev: 0.0.05

Id: 10/17



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

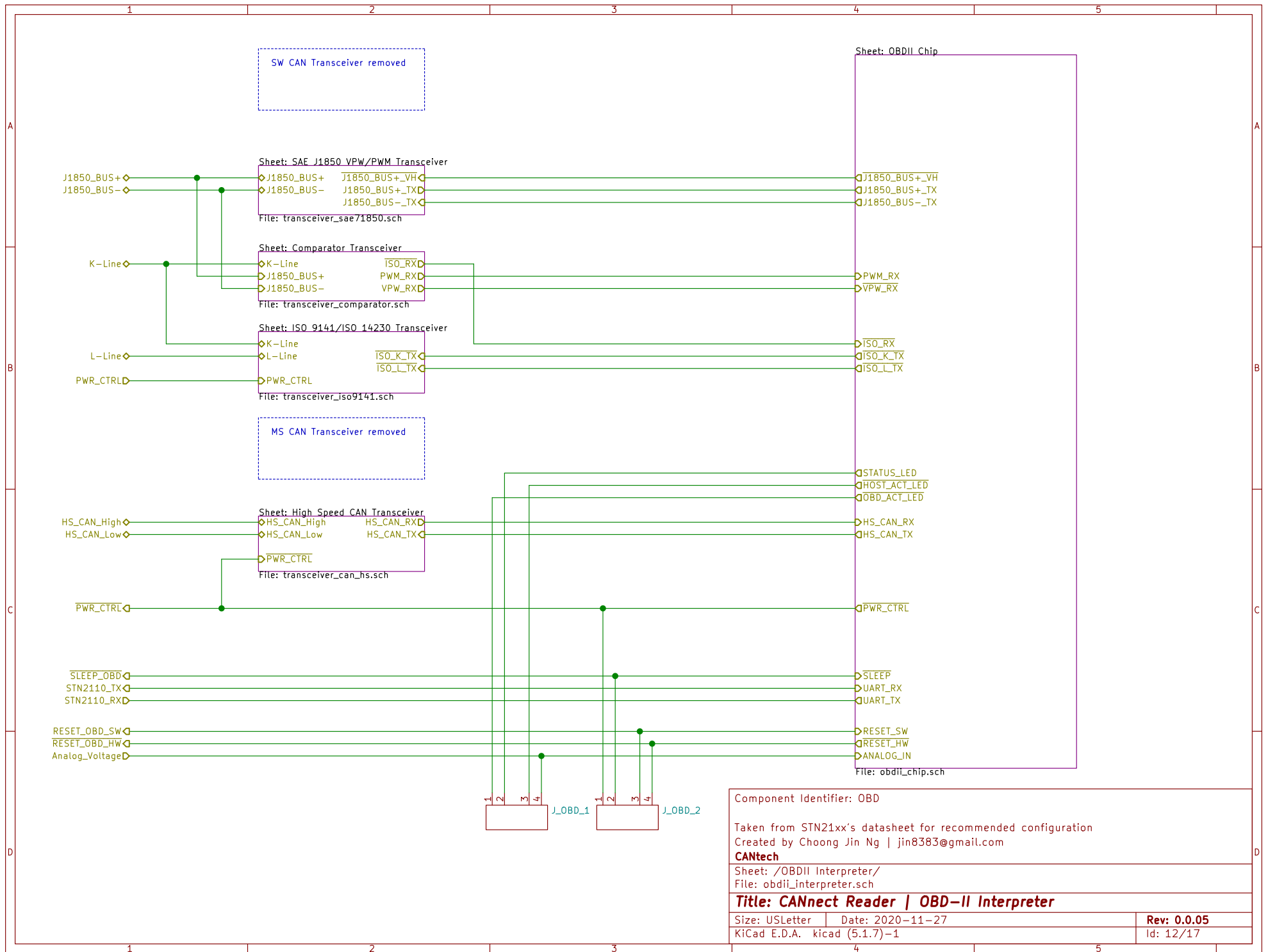
**Title: CANnect Reader | ESD Protection**

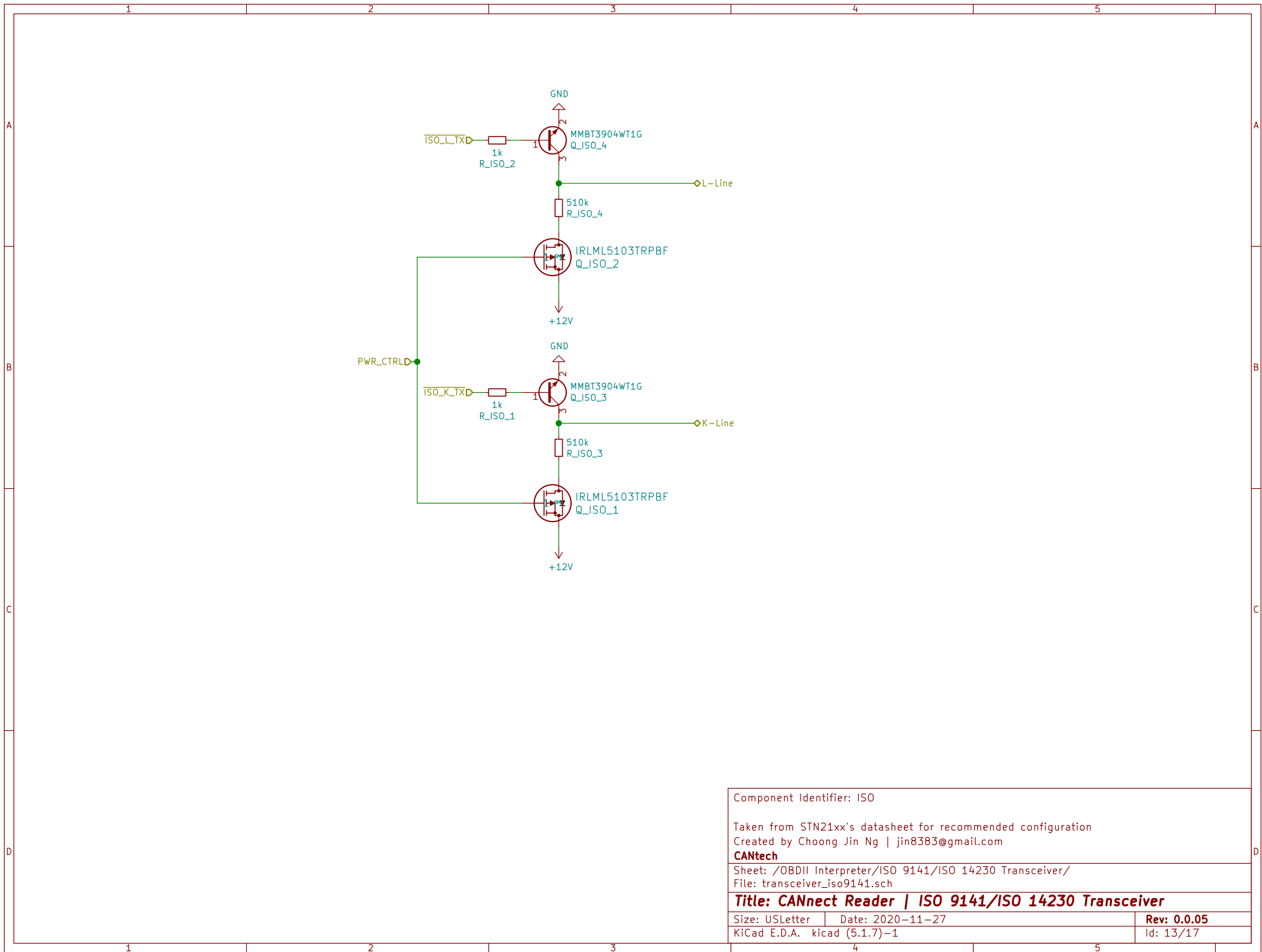
Size: USLetter | Date: 2020-11-27

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

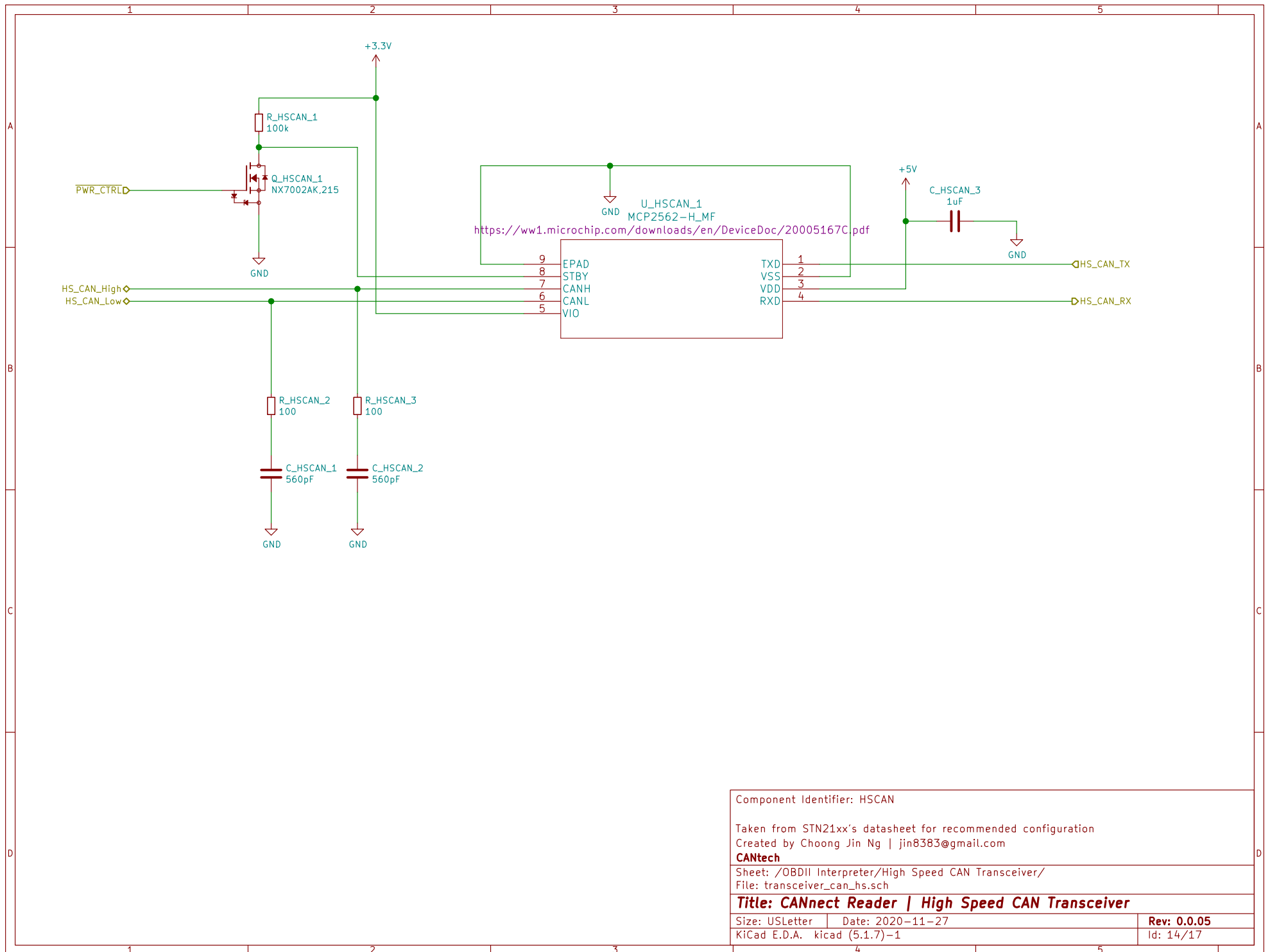
**Rev: 0.0.05**

Id: 11/17

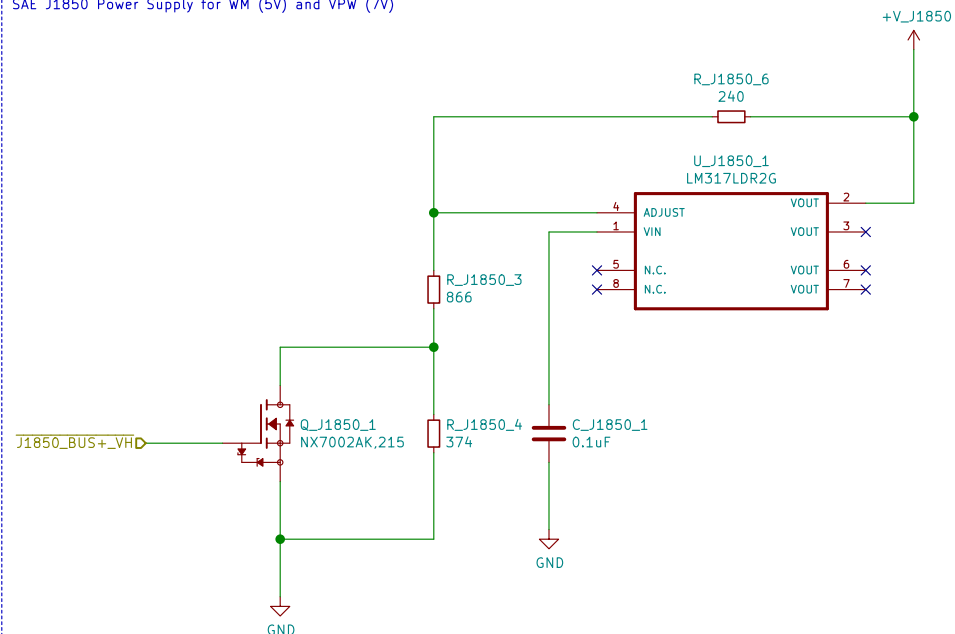




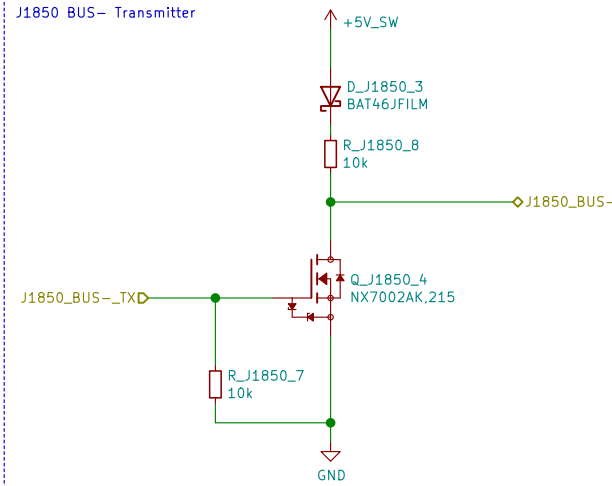
Component Identifier: ISO		
Taken from STN21xx's datasheet for recommended configuration		
Created by Choong Jin Ng   jin8383@gmail.com		
CANtech		
Sheet: /OBDII Interpreter/ISO 9141/ISO 14230 Transceiver/		
File: transceiver_iso9141.sch		
Title: CANnect Reader   ISO 9141/ISO 14230 Transceiver		
Size: USLetter	Date: 2020-11-27	Rev: 0.0.05
KiCad E.D.A. kicad (5.1.7)-1	Id: 13/17	



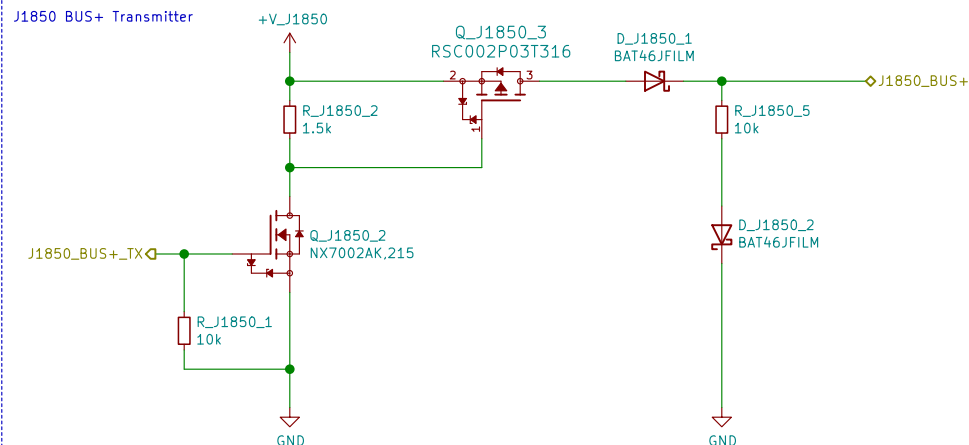
SAE J1850 Power Supply for WM (5V) and VPW (7V)



J1850 BUS- Transmitter



J1850 BUS+ Transmitter



Component Identifier: J1850

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

**CANtech**

Sheet: /OBDII Interpreter/SAE J1850 VPW/PWM Transceiver/  
File: transceiver\_sae71850.sch

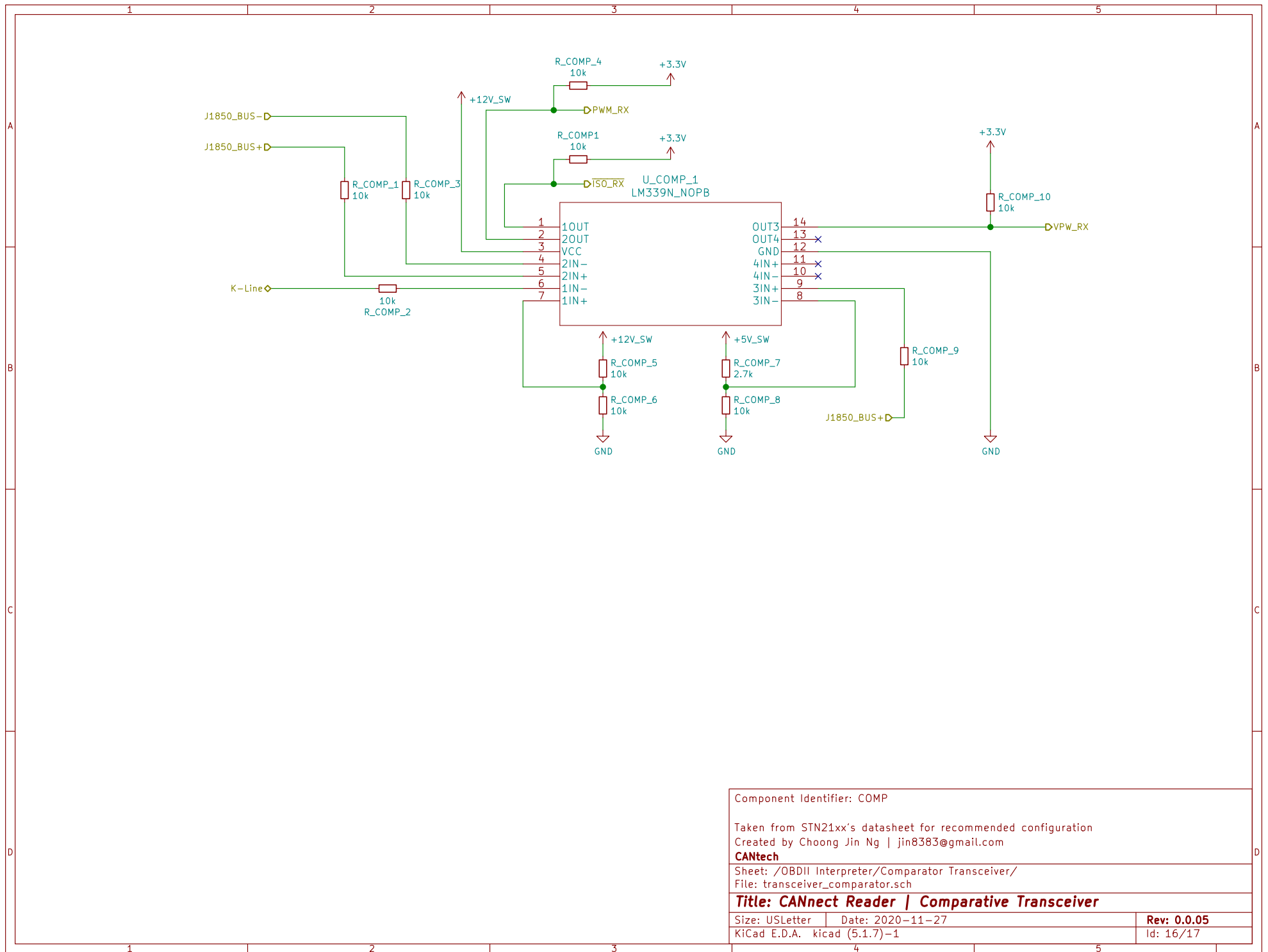
**Title: CANnect Reader | SAE J1850 VPW/PWM Transceiver**

Size: USLetter | Date: 2020-11-27

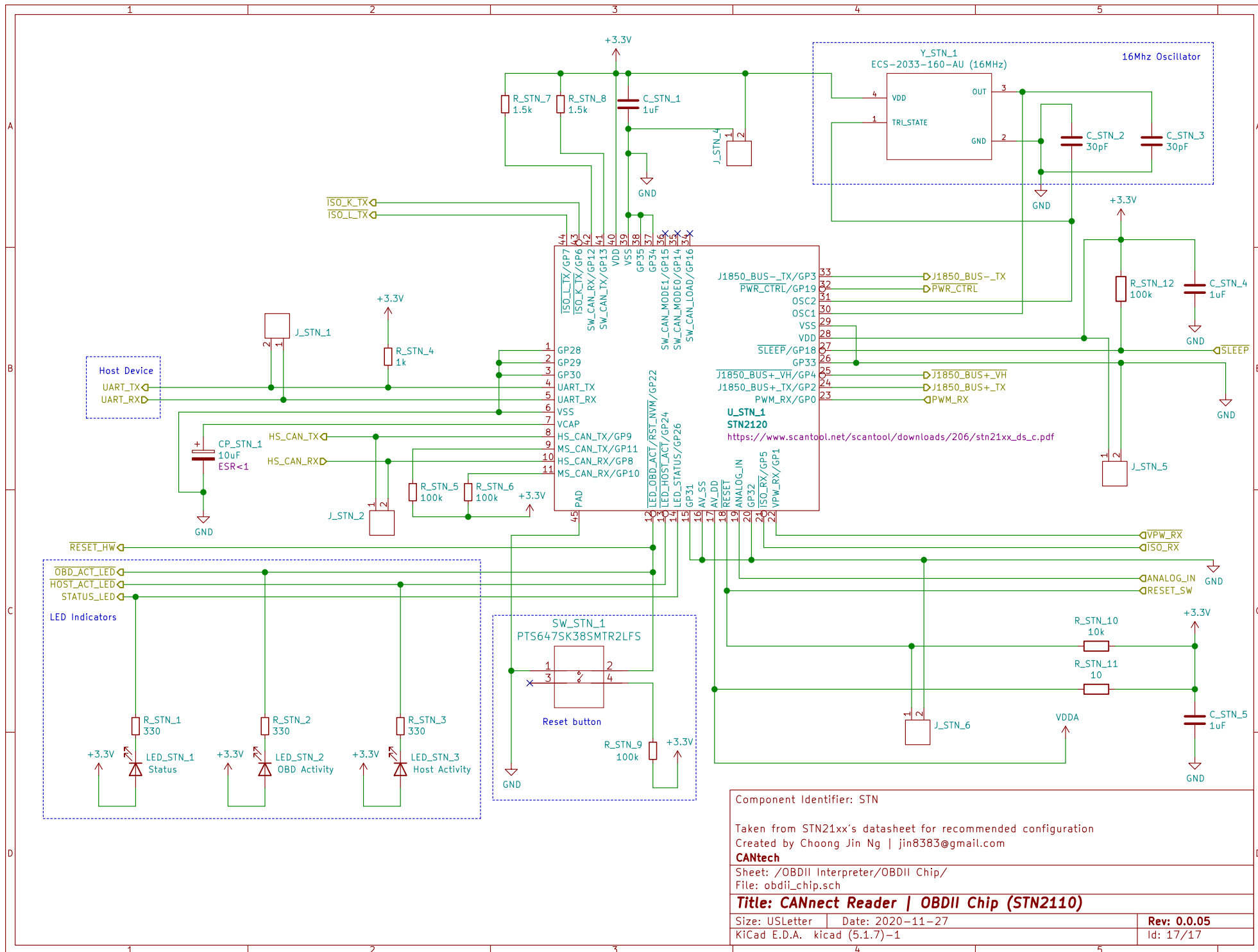
Rev: 0.0.05

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

Id: 15/17







Component Identifier: STN

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

**CANtech**

Sheet: /OBDDII Interpreter/OBDDII Chip/  
File: obddii\_chip.sch

**Title: CANnect Reader | OBDDII Chip (STN2110)**

Size: USLetter Date: 2020-11-27

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

Rev: 0.0.05

Id: 17/17