

Created by Choong Jin Ng | jin8383@gmail.com

CANtech

Sheet: /

File: Reader.sch

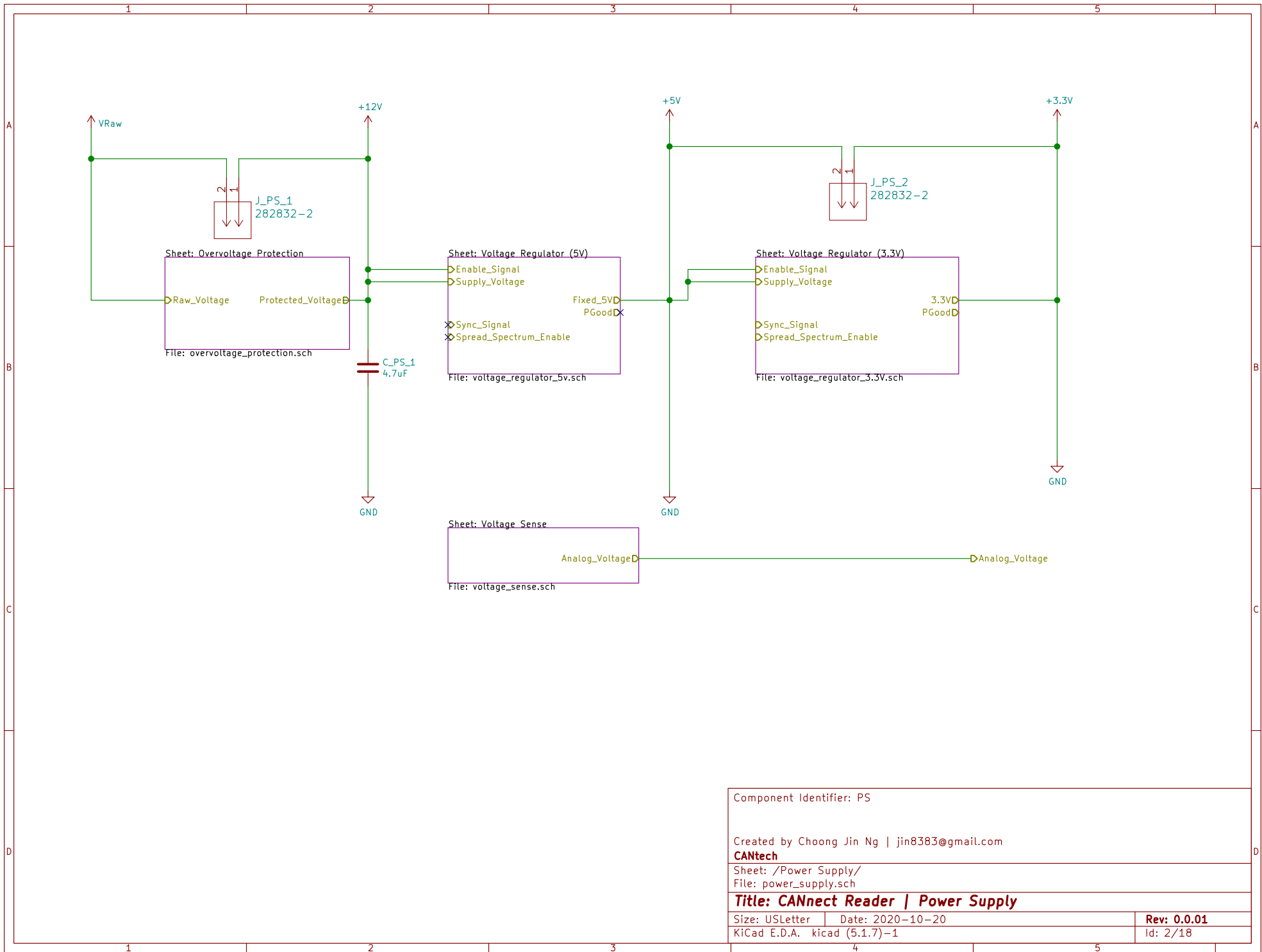
Title: CANnect Reader

Size: USLetter | Date: 2020-10-20

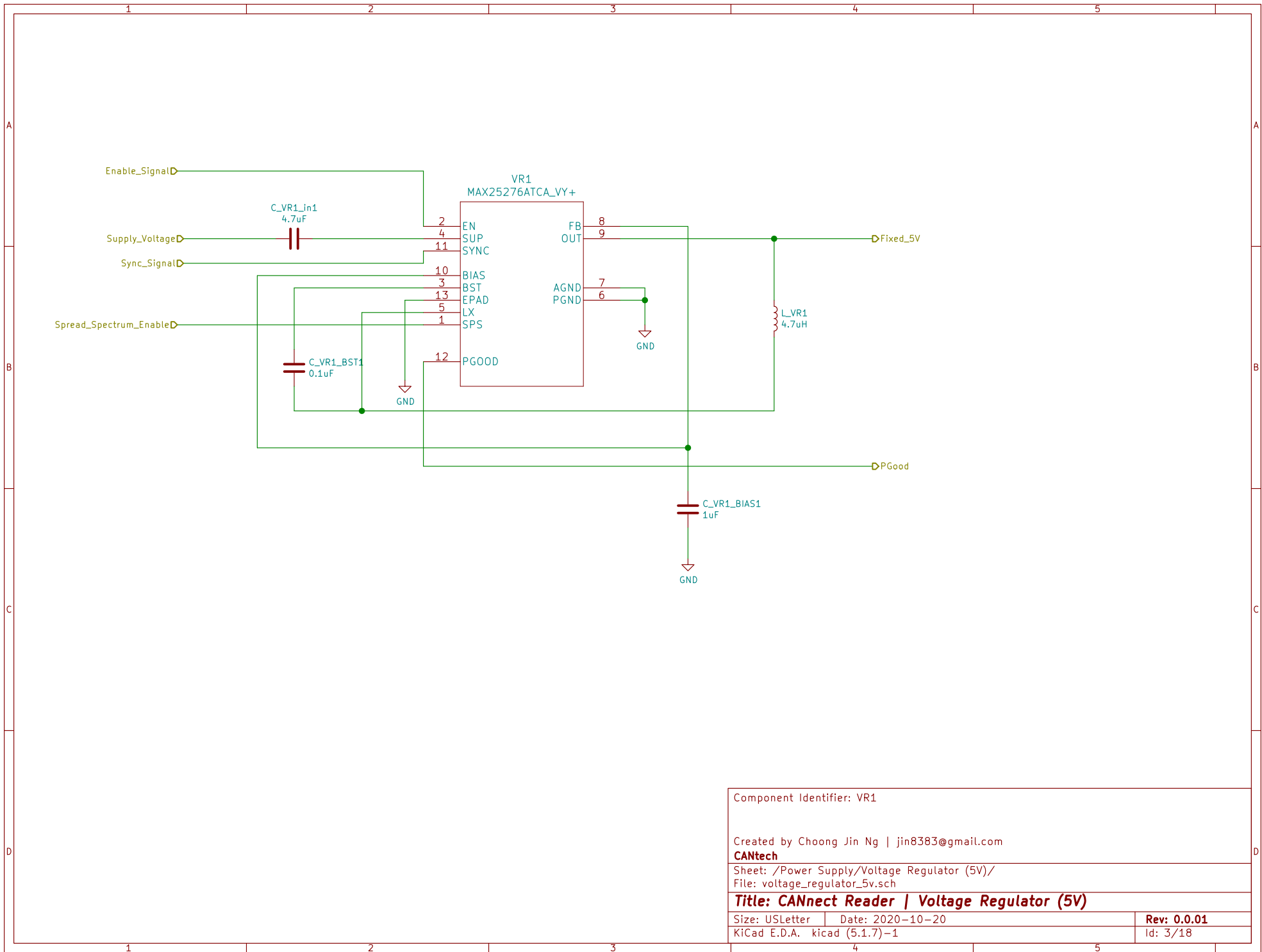
KiCad E.D.A. kicad (5.1.7)-1

Rev: 0.0.01

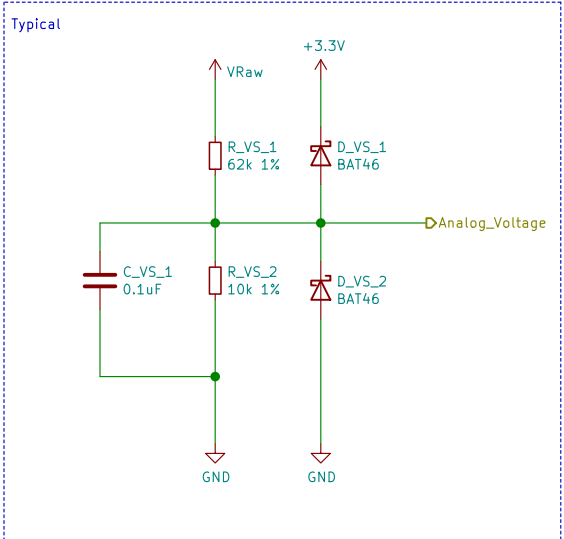
Id: 1/18



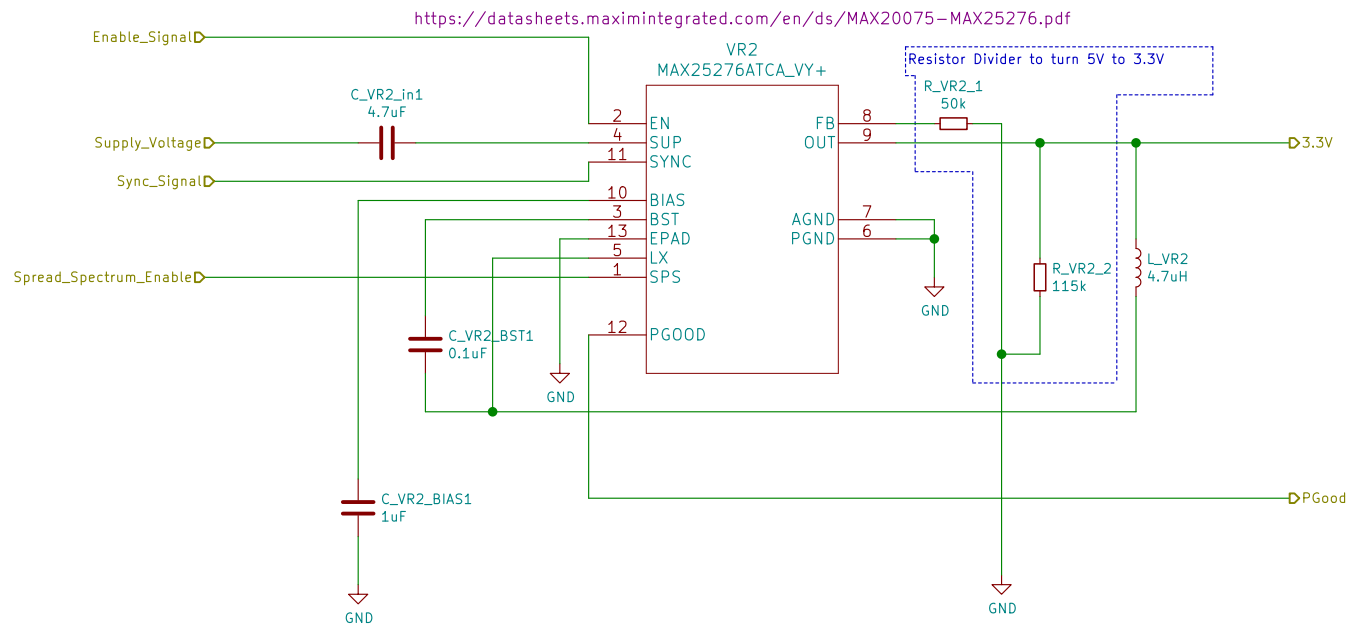
Component Identifier: PS		
Created by Choong Jin Ng jin8383@gmail.com		
CANtech		
Sheet: /Power Supply/		
File: power_supply.sch		
Title: CANnect Reader Power Supply		
Size: USLetter	Date: 2020-10-20	Rev: 0.0.01
KiCad E.D.A. kicad (5.1.7)-1		Id: 2/18



Component Identifier: VR1		
Created by Choong Jin Ng jin8383@gmail.com		
CANtech		
Sheet: /Power Supply/Voltage Regulator (5V)/		
File: voltage_regulator_5v.sch		
Title: CANnect Reader Voltage Regulator (5V)		
Size: USLetter	Date: 2020-10-20	Rev: 0.0.01
KiCad E.D.A. kicad (5.1.7)-1		Id: 3/18



Component Identifier: VS		
Taken from STN21xx's datasheet for recommended configuration Created by Choong Jin Ng jin8383@gmail.com		
CANtech		
Sheet: /Power Supply/Voltage Sense/ File: voltage_sense.sch		
Title: CANNect Reader / Voltage Sense		
Size: USLetter	Date: 2020-10-20	Rev: 0.0.01
KiCad E.D.A. kicad (5.1.7)-1		Id: 5/18



Component Identifier: VR2

Created by Choong Jin Ng | jin8383@gmail.com

CANtech

Sheet: /Power Supply/Voltage Regulator (3.3V)/

File: voltage_regulator_3.3V.sch

Title: CANnect Reader | Voltage Regulator (3.3V)

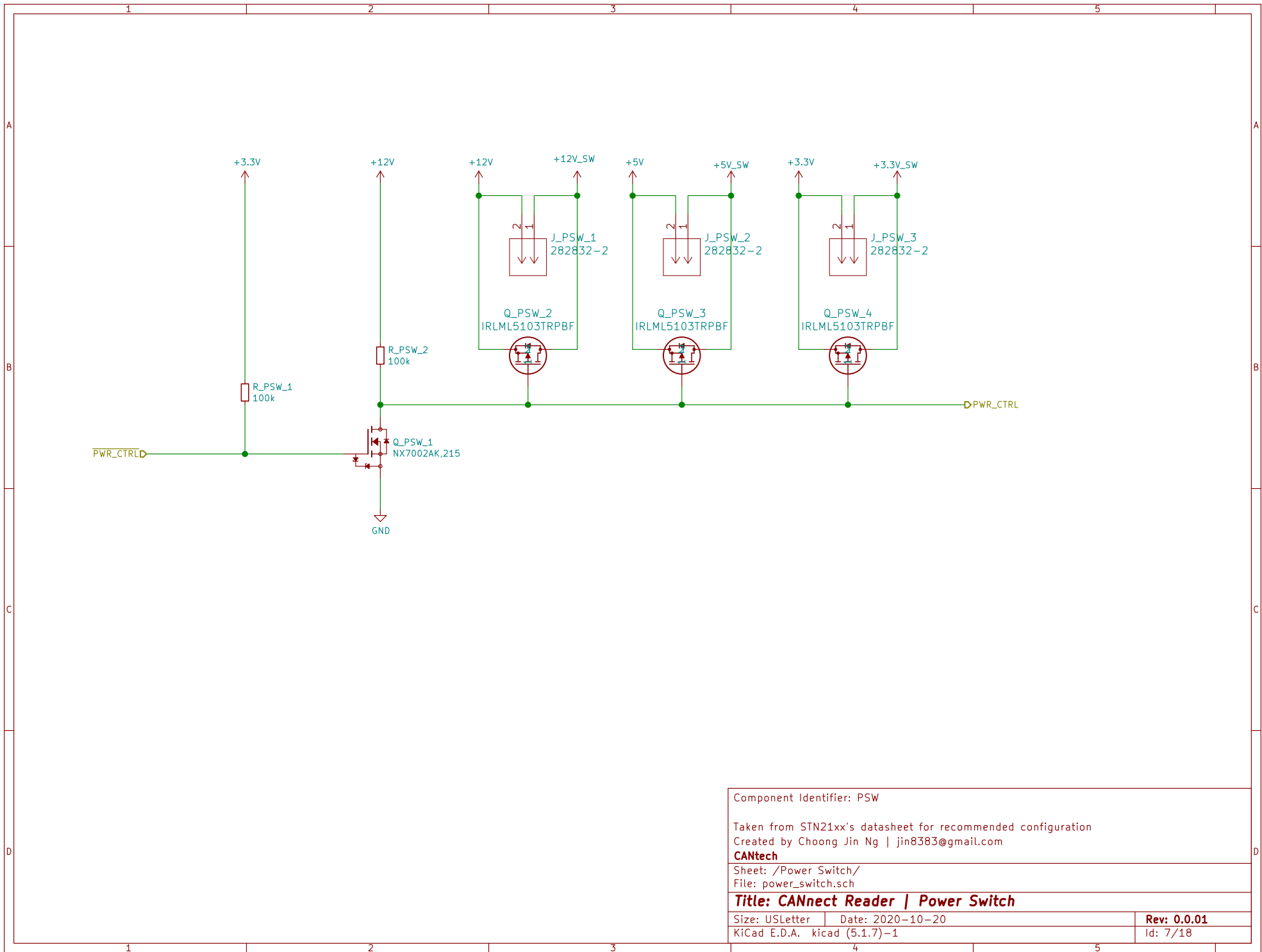
Size: A4

Date: 2020-10-20

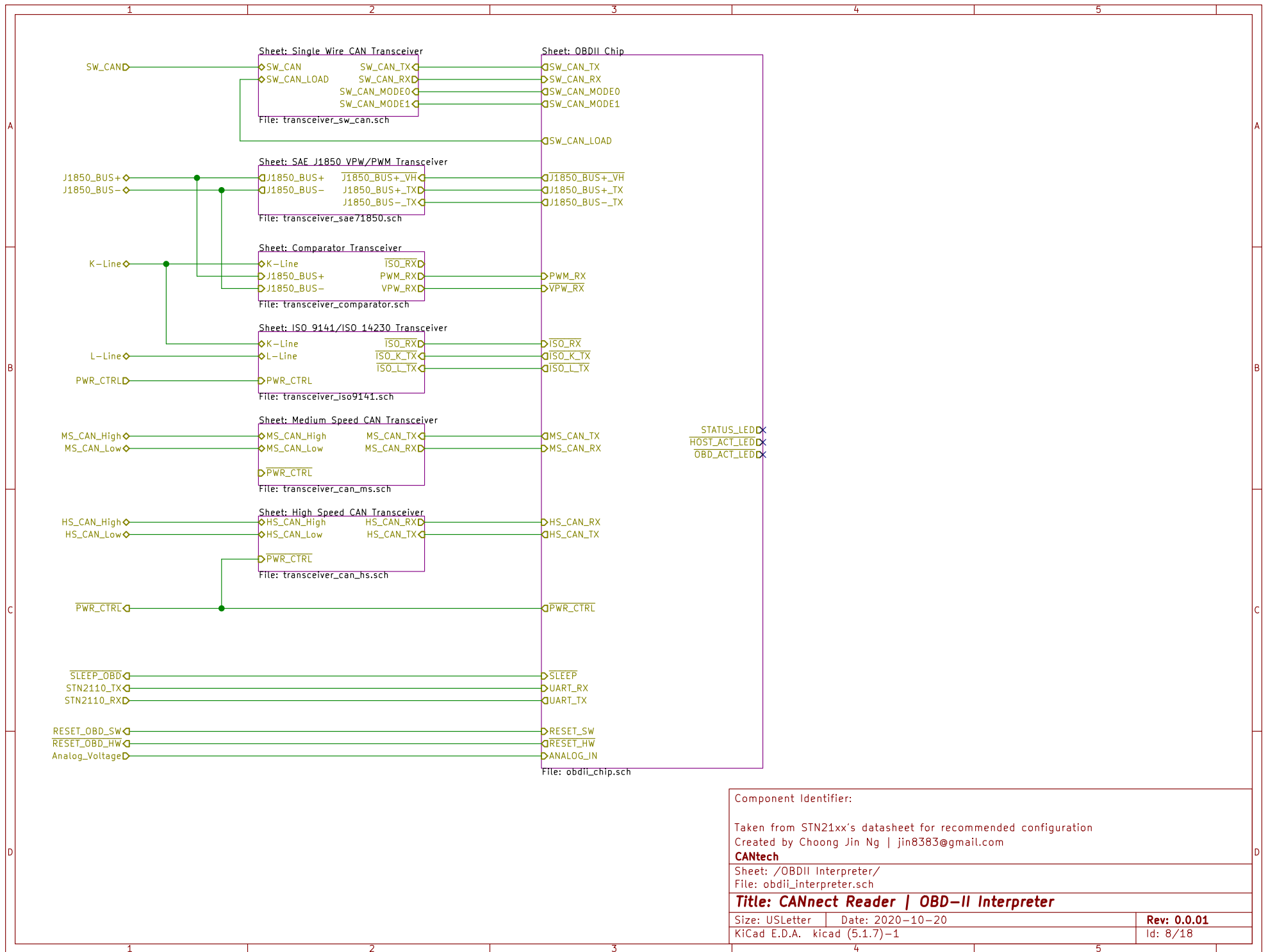
Rev: 0.0.01

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

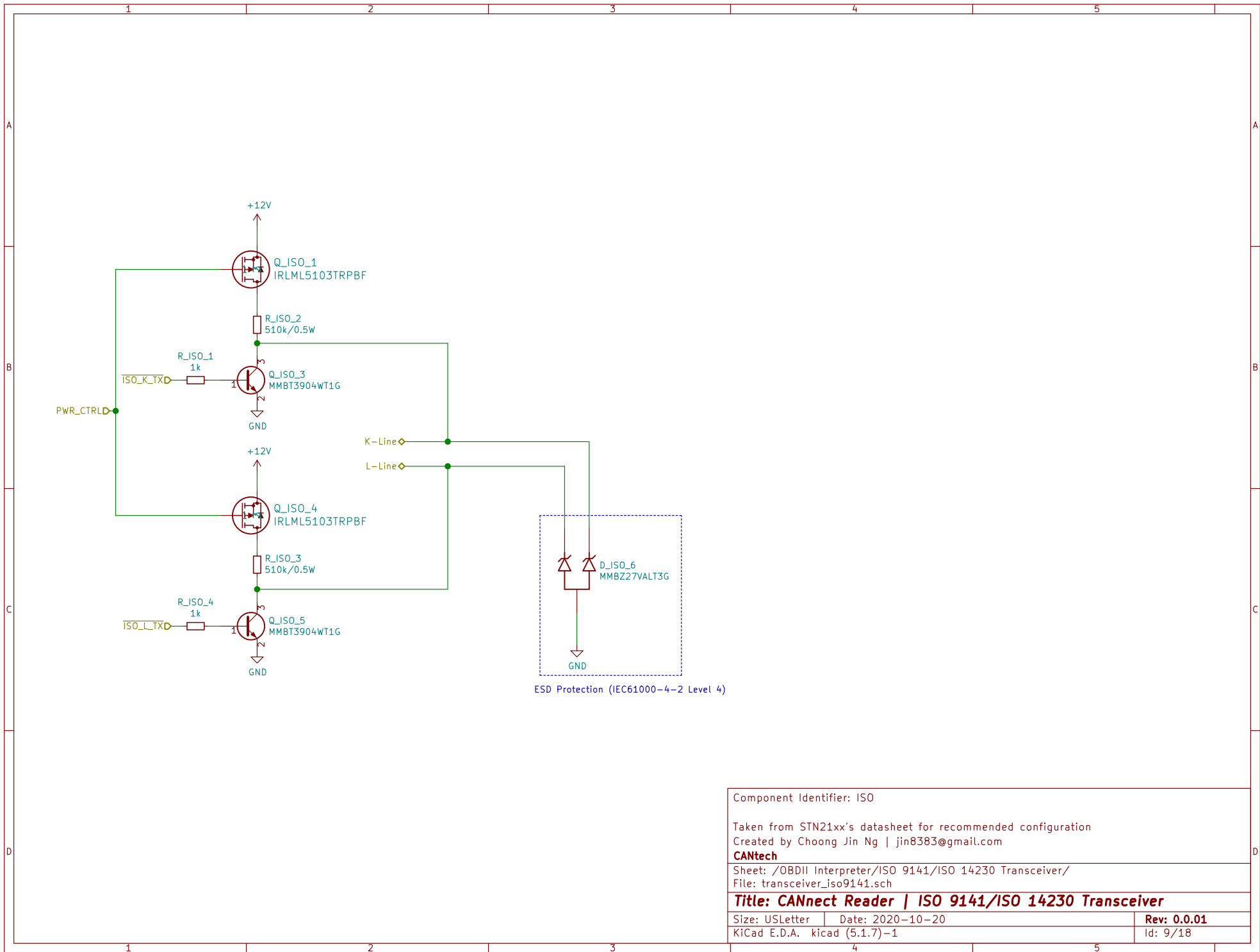
Id: 6/18

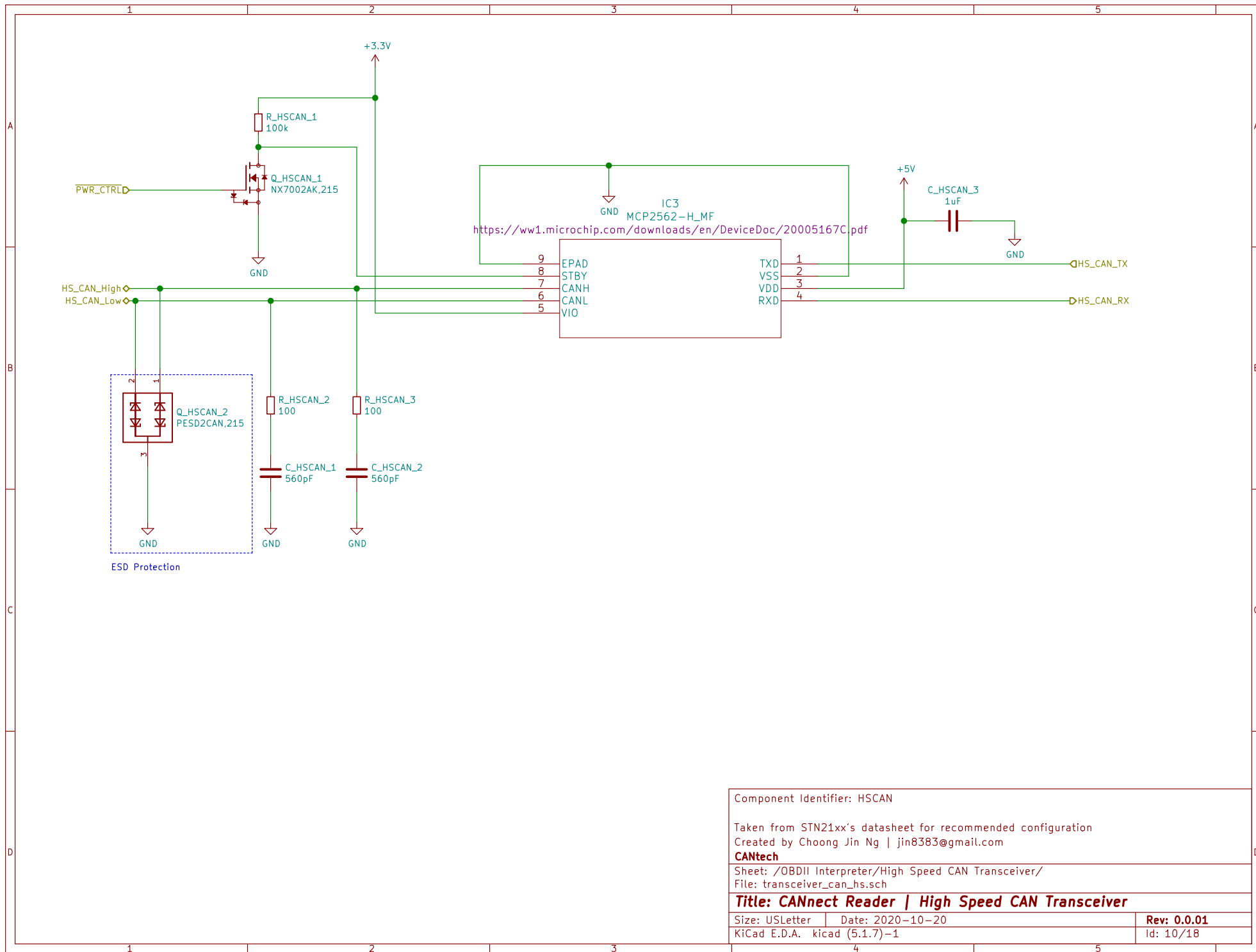


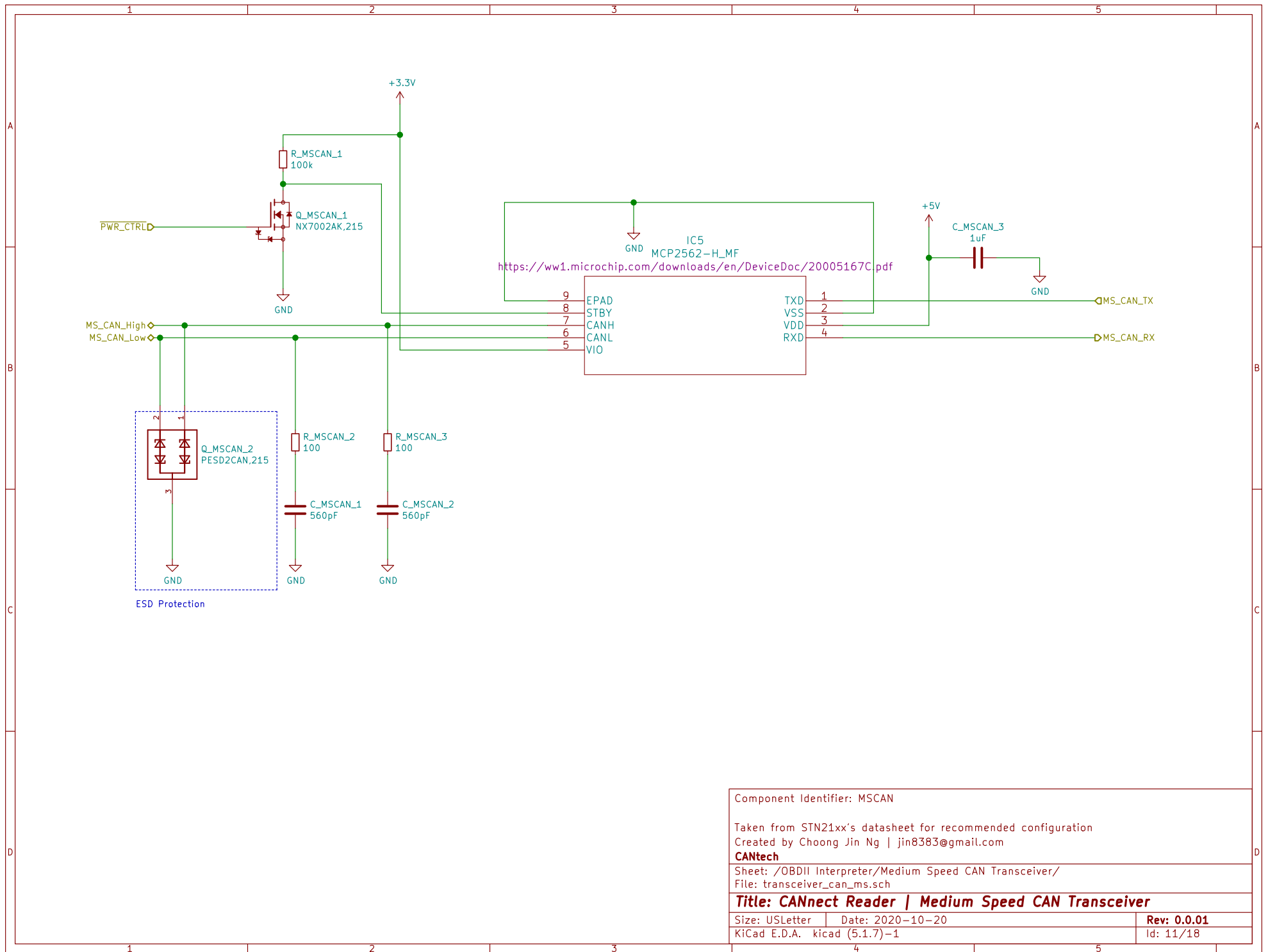
Component Identifier: PSW		
Taken from STN21xx's datasheet for recommended configuration		
Created by Choong Jin Ng jin8383@gmail.com		
CANtech		
Sheet: /Power Switch/		
File: power_switch.sch		
Title: CANnect Reader Power Switch		
Size: USLetter	Date: 2020-10-20	Rev: 0.0.01
KiCad E.D.A. kicad (5.1.7)-1		Id: 7/18

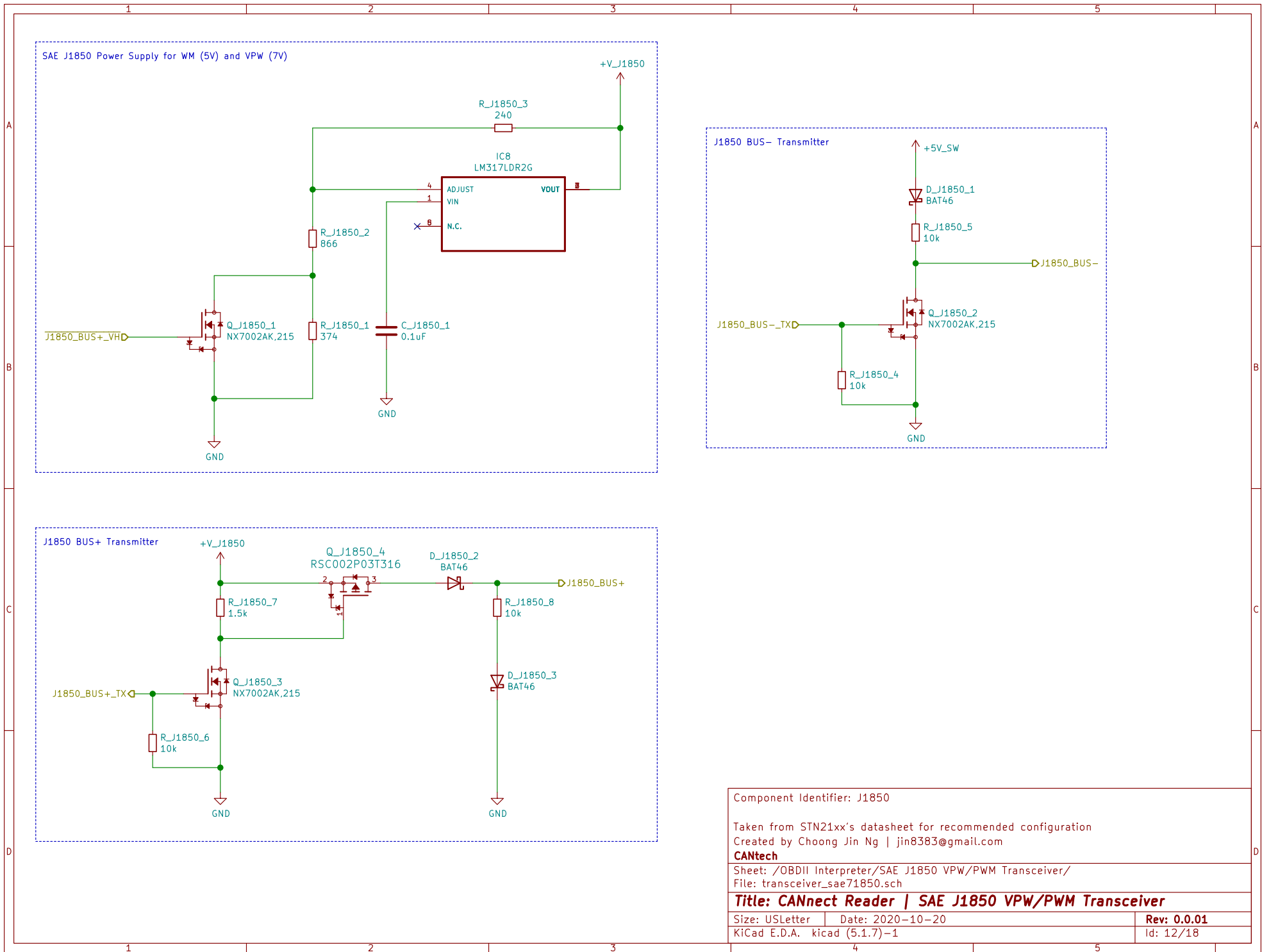


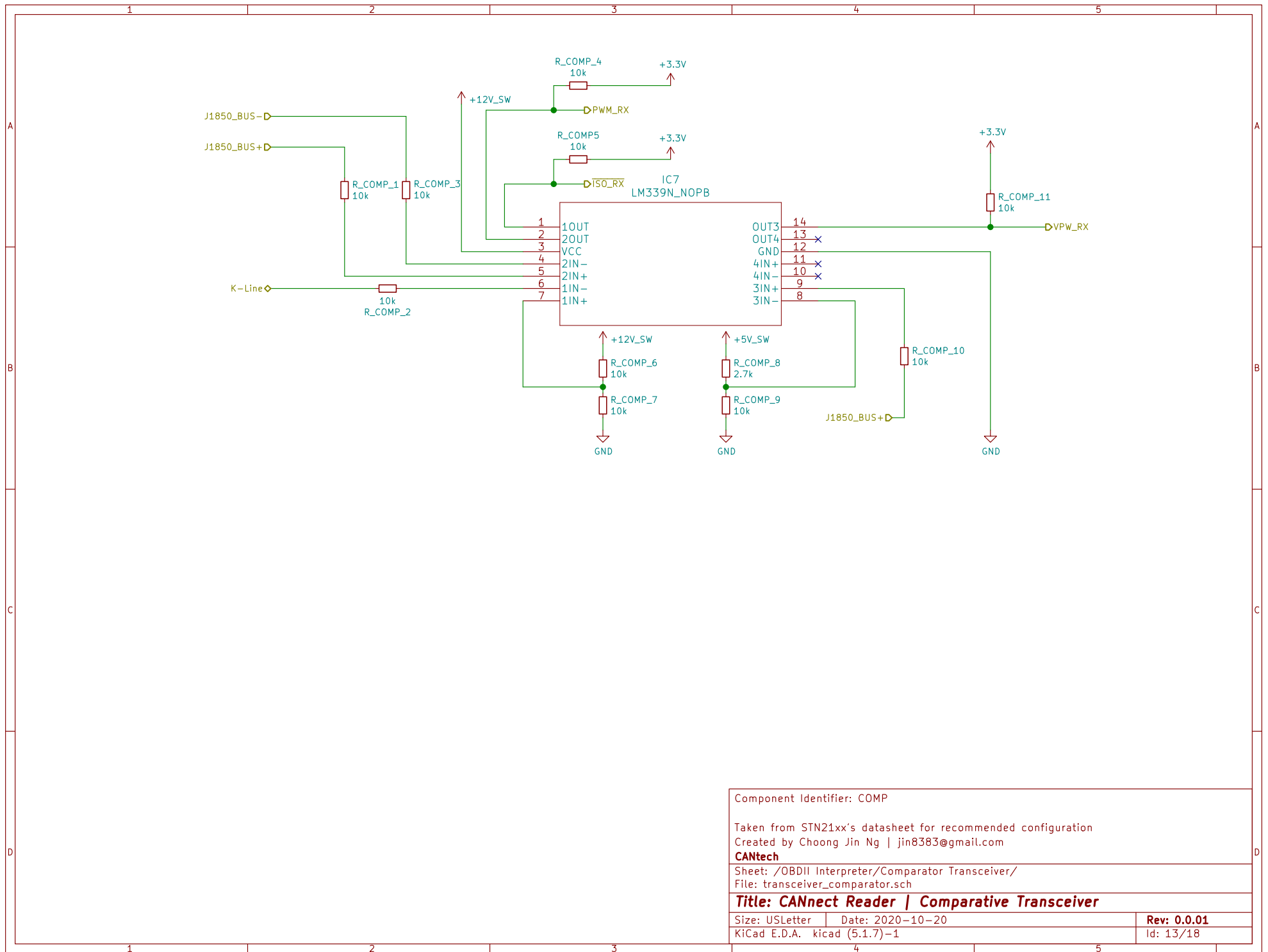
Component Identifier:		
Taken from STN21xx's datasheet for recommended configuration Created by Choong Jin Ng jin8383@gmail.com		
CANTech		
Sheet: /OBDII Interpreter/ File: obdii_interpreter.sch		
Title: CANnect Reader OBD-II Interpreter		
Size: USLetter	Date: 2020-10-20	Rev: 0.0.01
KiCad E.D.A. kicad (5.1.7)-1		Id: 8/18



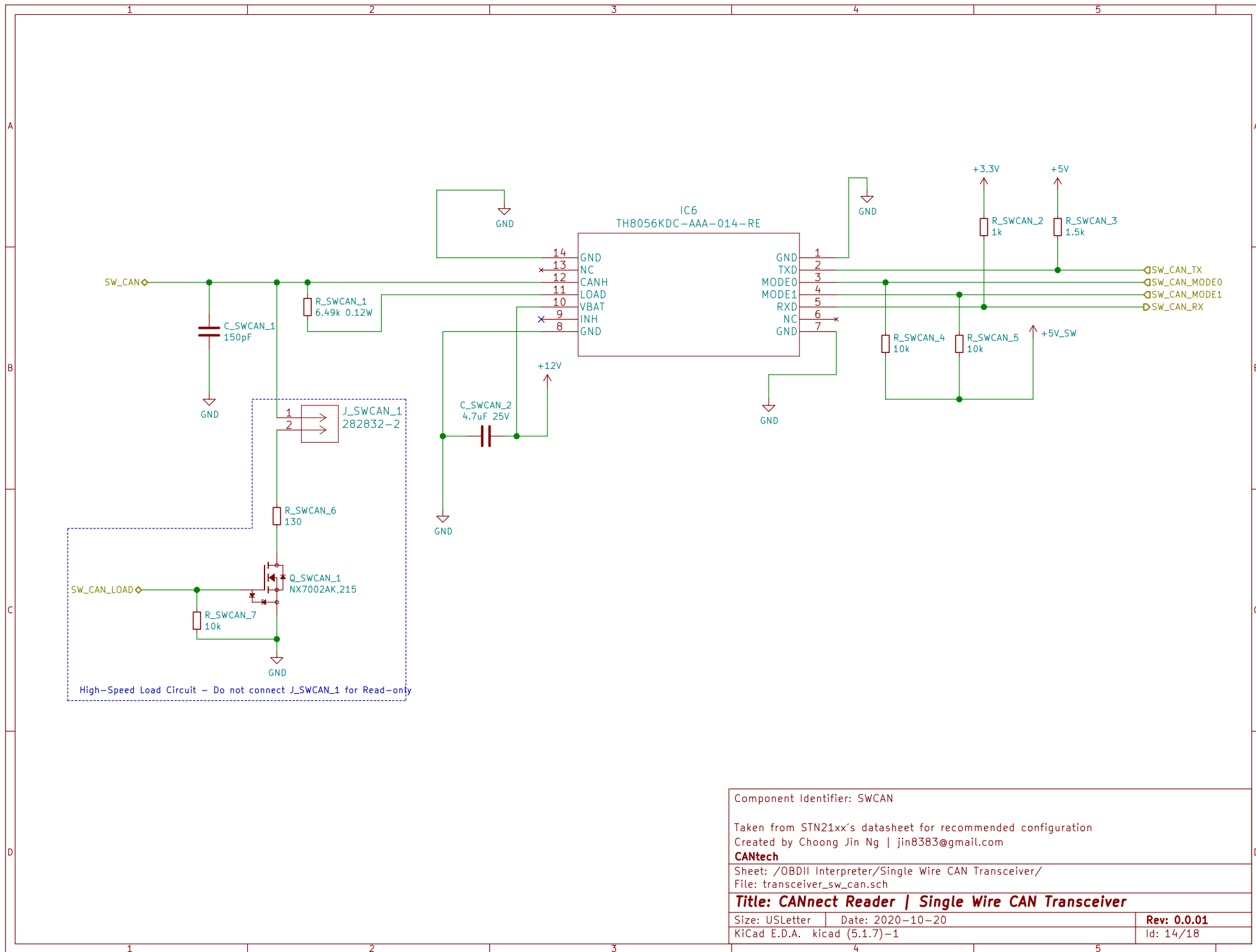








Component Identifier: COMP		
Taken from STN21xx's datasheet for recommended configuration		
Created by Choong Jin Ng jin8383@gmail.com		
CANtech		
Sheet: /OBDII Interpreter/Comparator Transceiver/		
File: transceiver_comparator.sch		
Title: CANnect Reader Comparative Transceiver		
Size: USLetter	Date: 2020-10-20	Rev: 0.0.01
KiCad E.D.A. kicad (5.1.7)-1		Id: 13/18



Component Identifier: SWCAN

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

CANtech

Sheet: /OBDII Interpreter/Single Wire CAN Transceiver/
File: transceiver_sw_can.sch

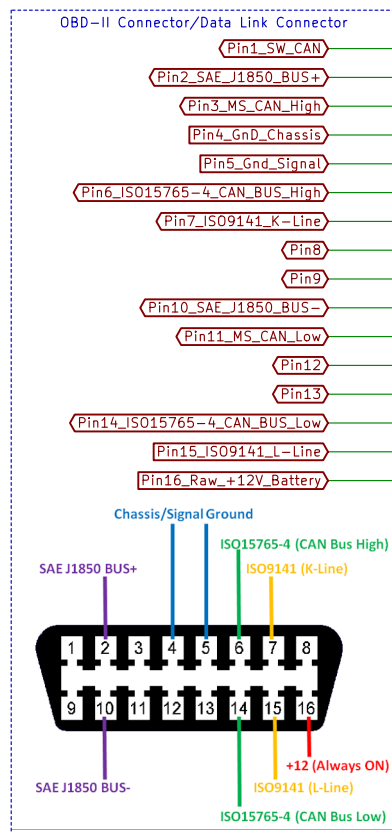
Title: CANnect Reader | Single Wire CAN Transceiver

Size: USLetter | Date: 2020-10-20

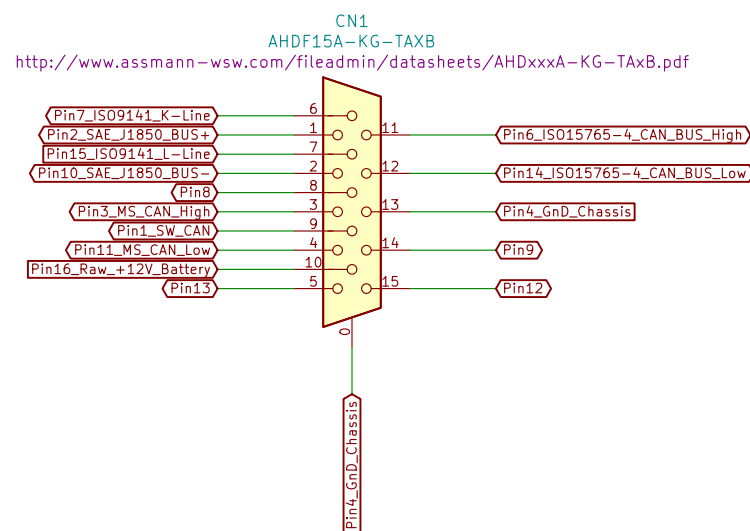
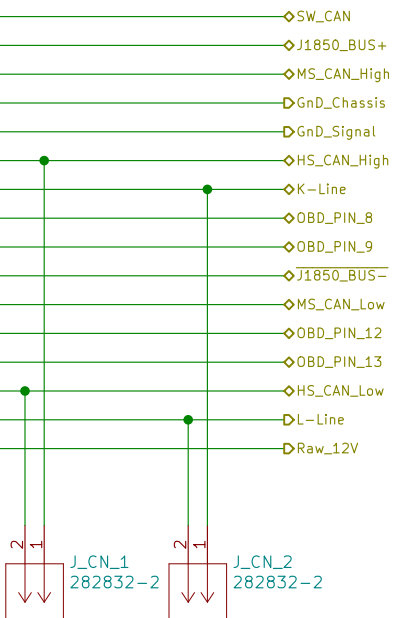
KiCad E.D.A. kicad (5.1.7)-1

Rev: 0.0.01

Id: 14/18



OBD Connector into Reader through DB15-HD



Reference: 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

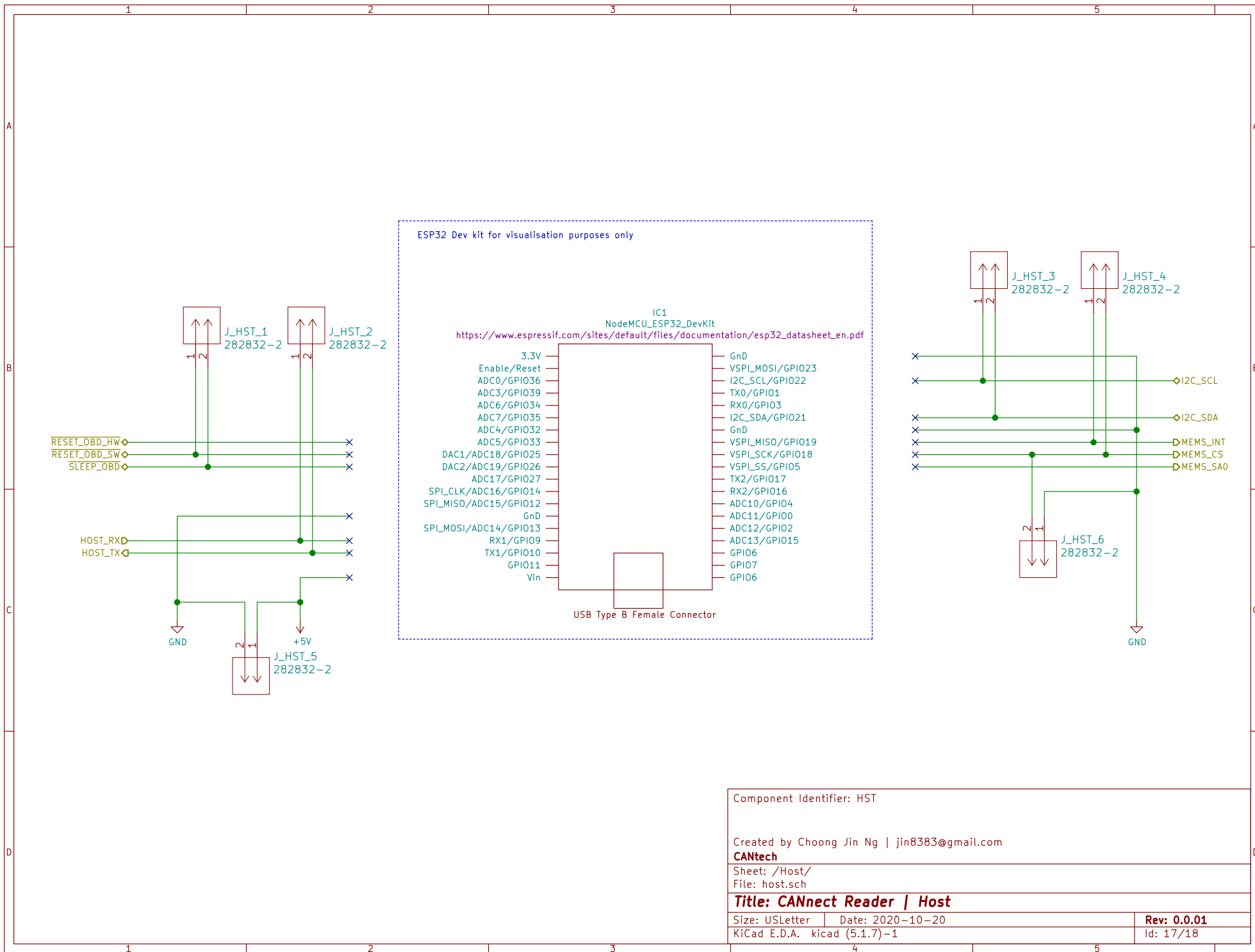
Title: CANnect Reader | OBD Connector

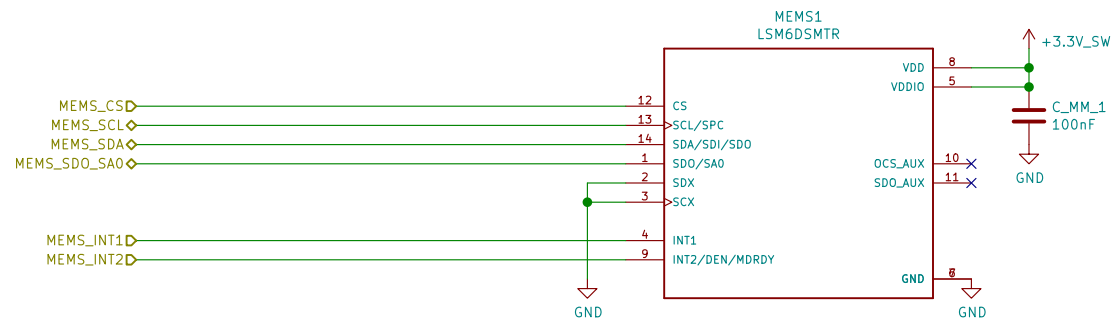
Size: USLetter Date: 2020-10-20

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

Rev: 0.0.01

Id: 16/18





Component Identifier: MM		
Created by Choong Jin Ng jin8383@gmail.com		
CANtech		
Sheet: /Reader MEMs/ File: reader_mems.sch		
Title: CANnect Reader MEMs		
Size: USLetter	Date: 2020-10-20	Rev: 0.0.01
KiCad E.D.A. kicad (5.1.7)-1		Id: 18/18