

Created by Choong Jin Ng | jin8383@gmail.com

CANtech

Sheet: /

File: Reader.sch

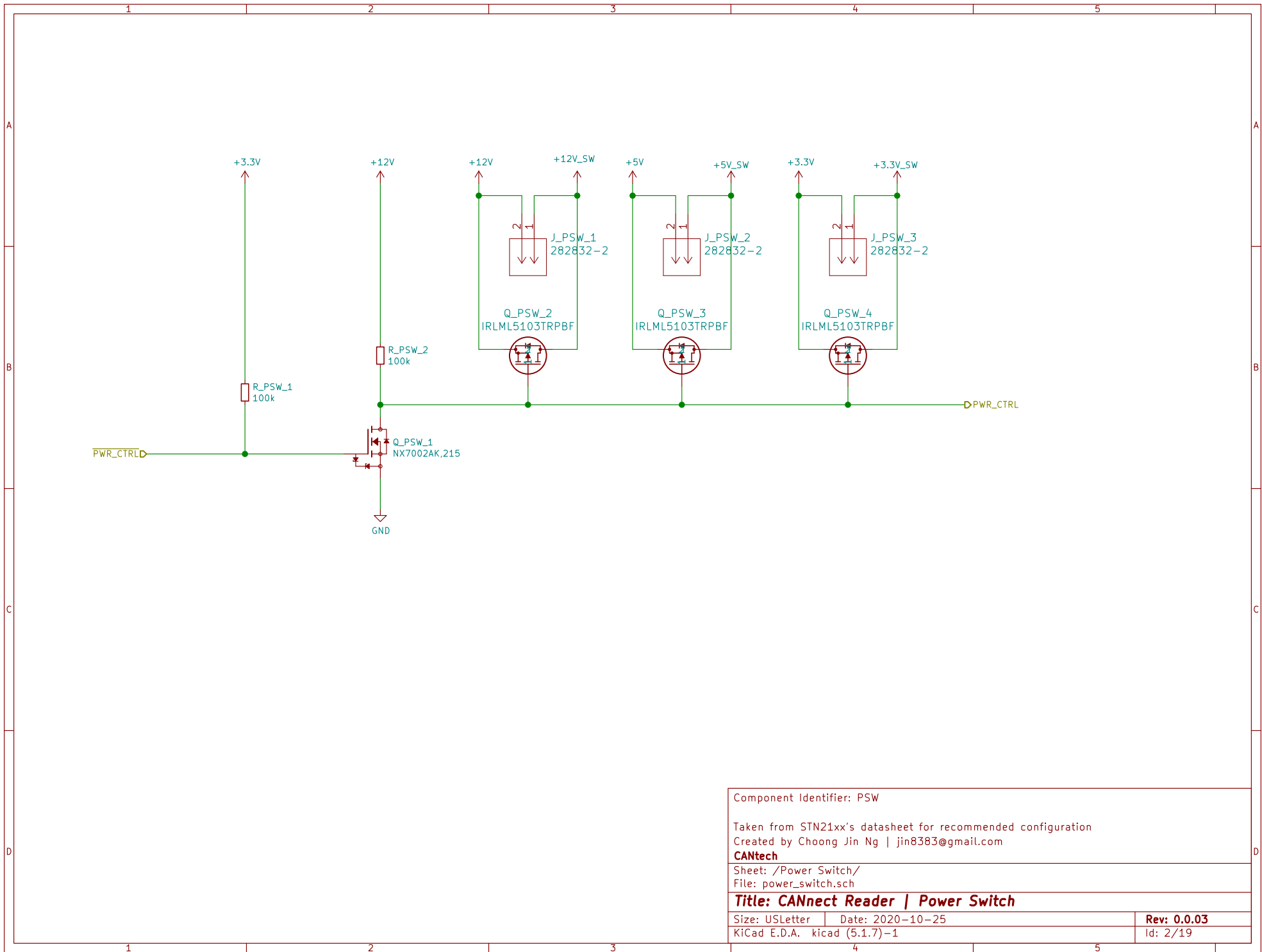
Title: CANnect Reader

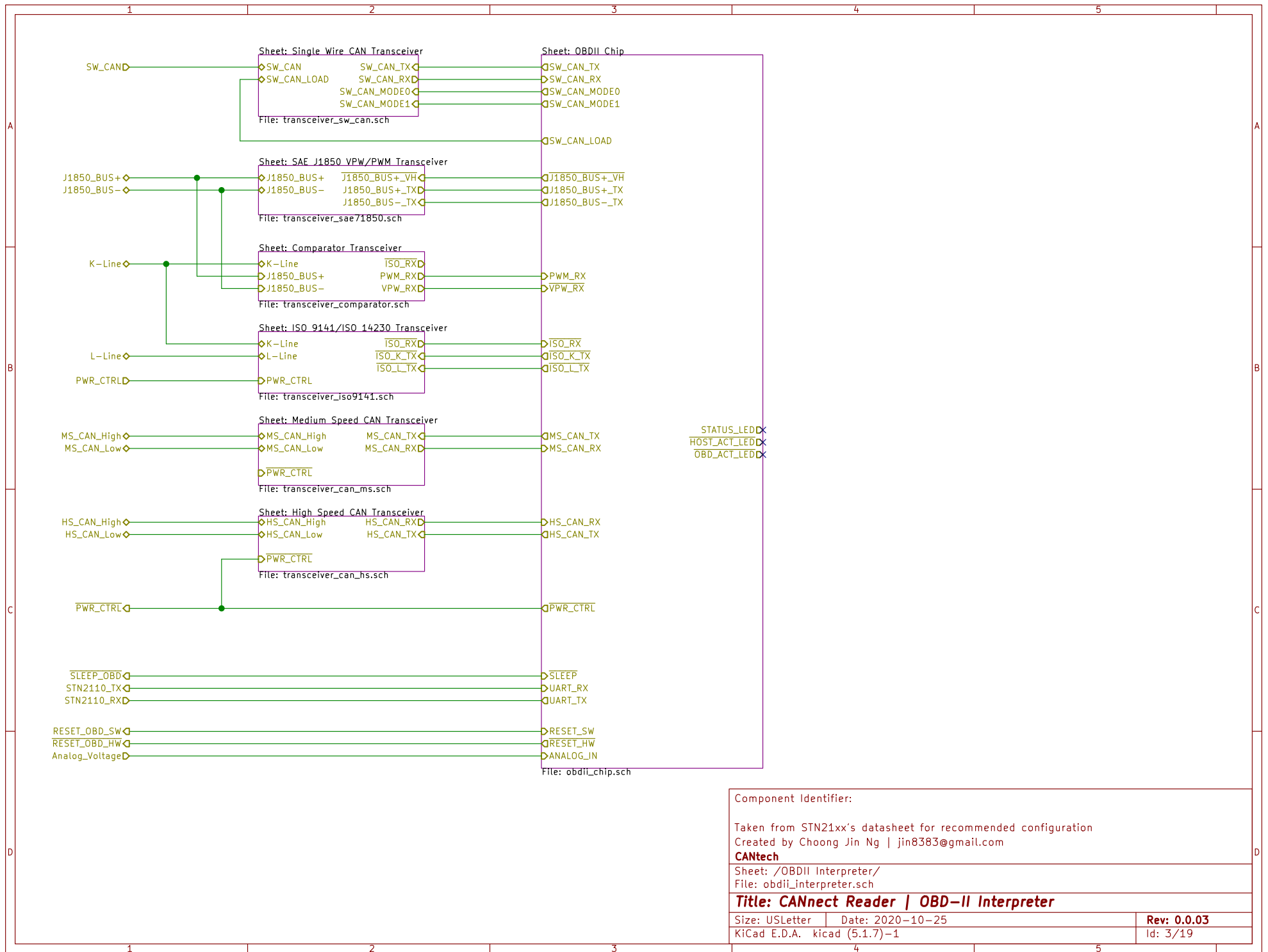
Size: USLetter | Date: 2020-10-25

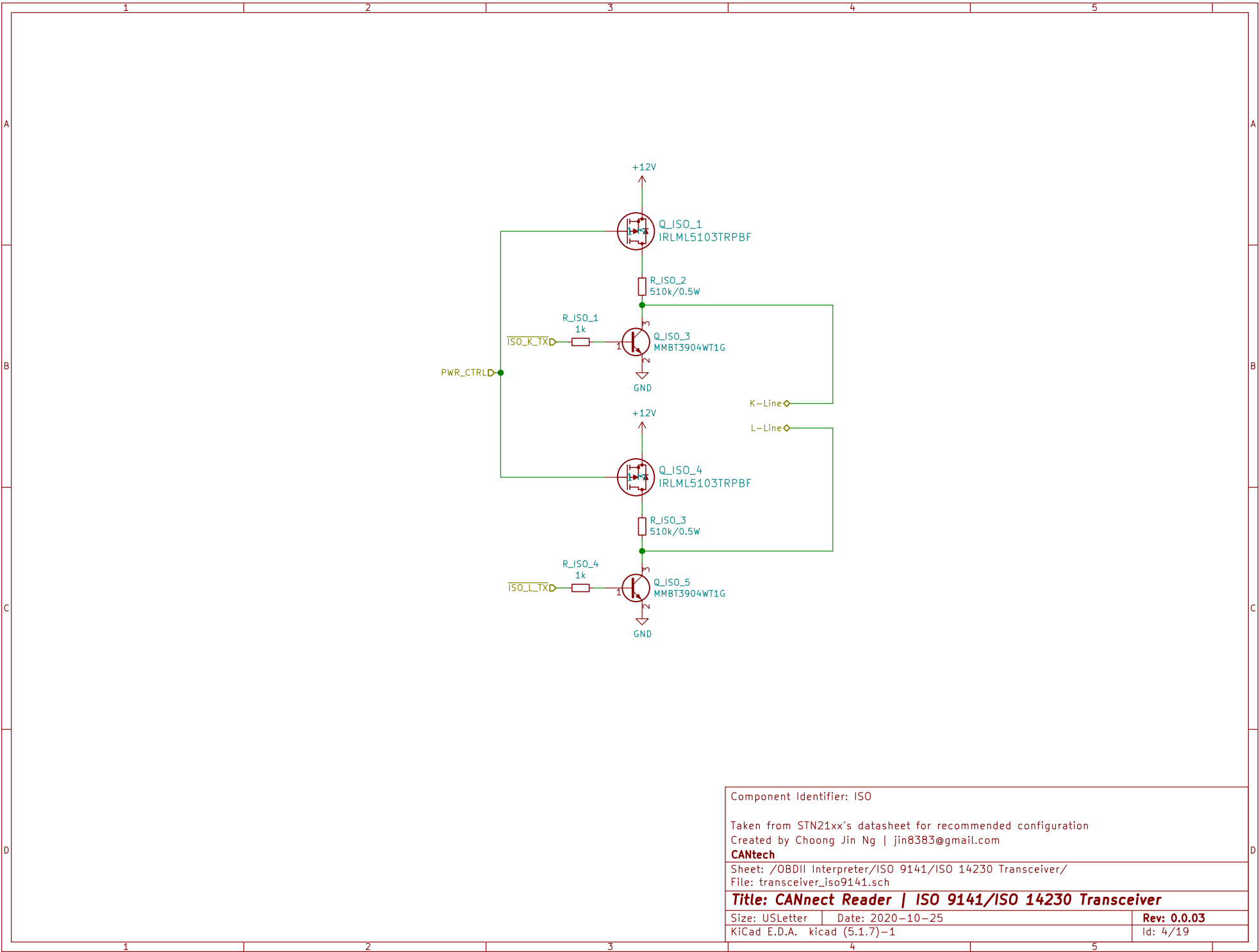
KiCad E.D.A. kicad (5.1.7)-1

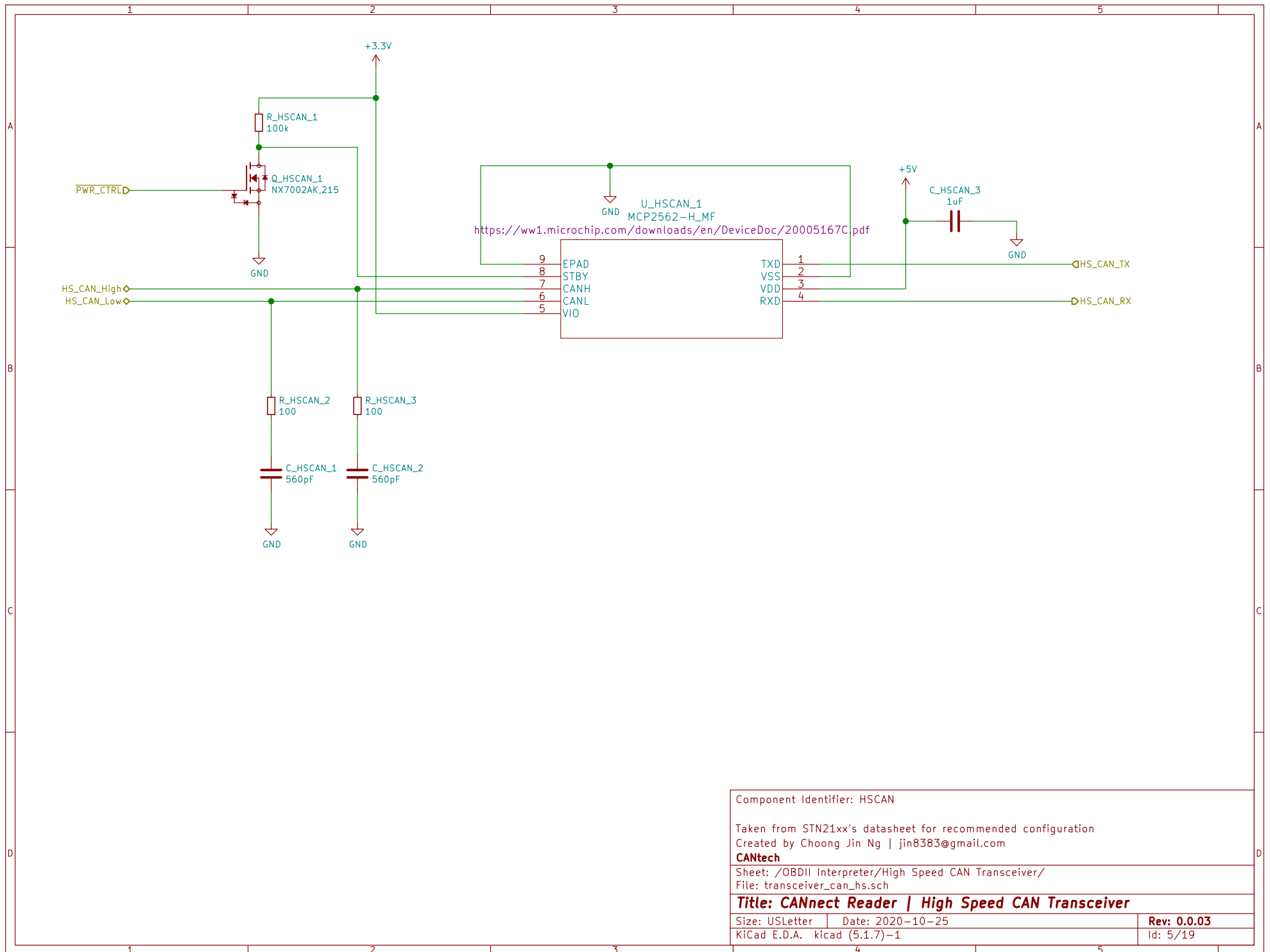
Rev: 0.0.03

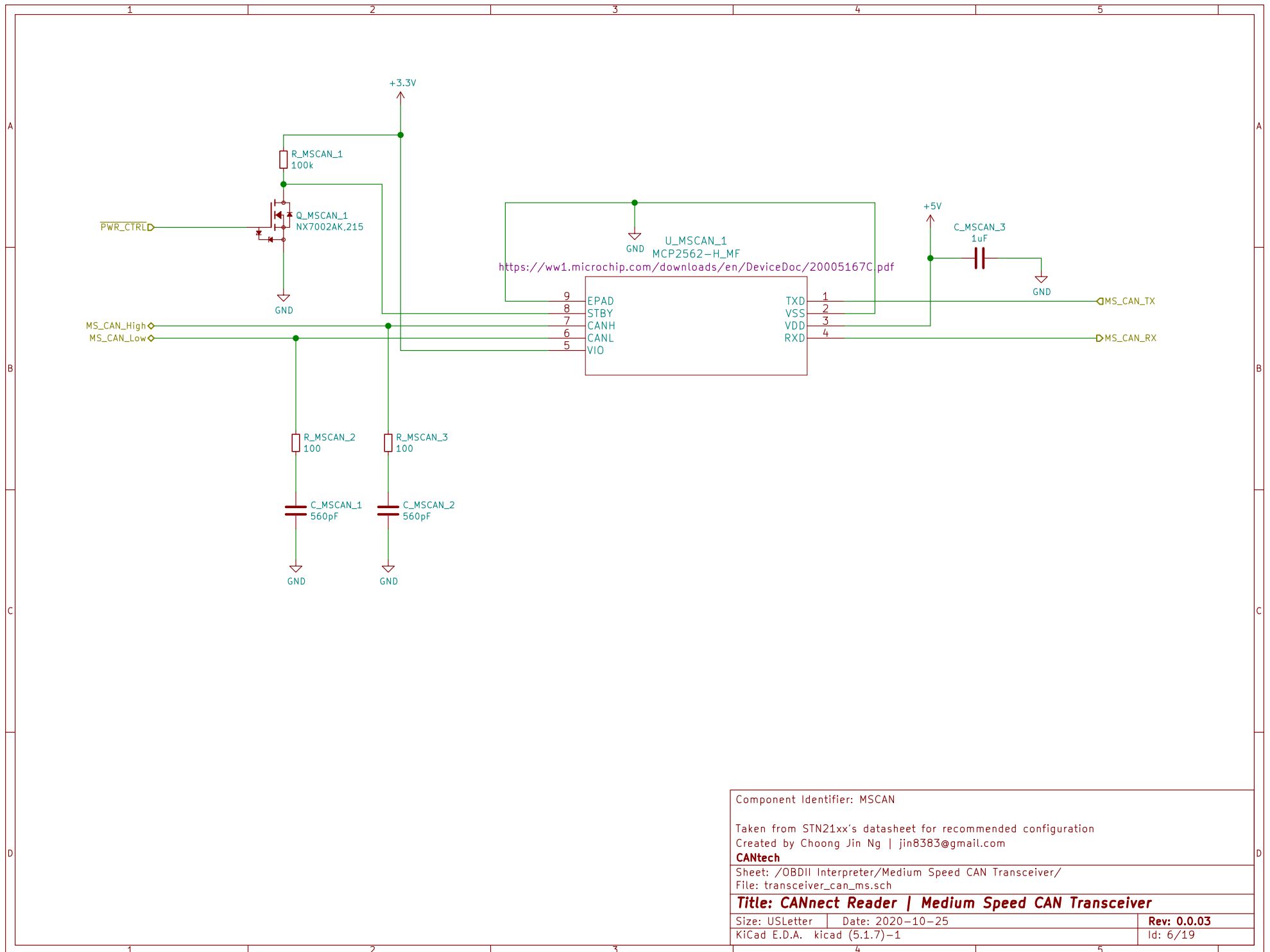
Id: 1/19



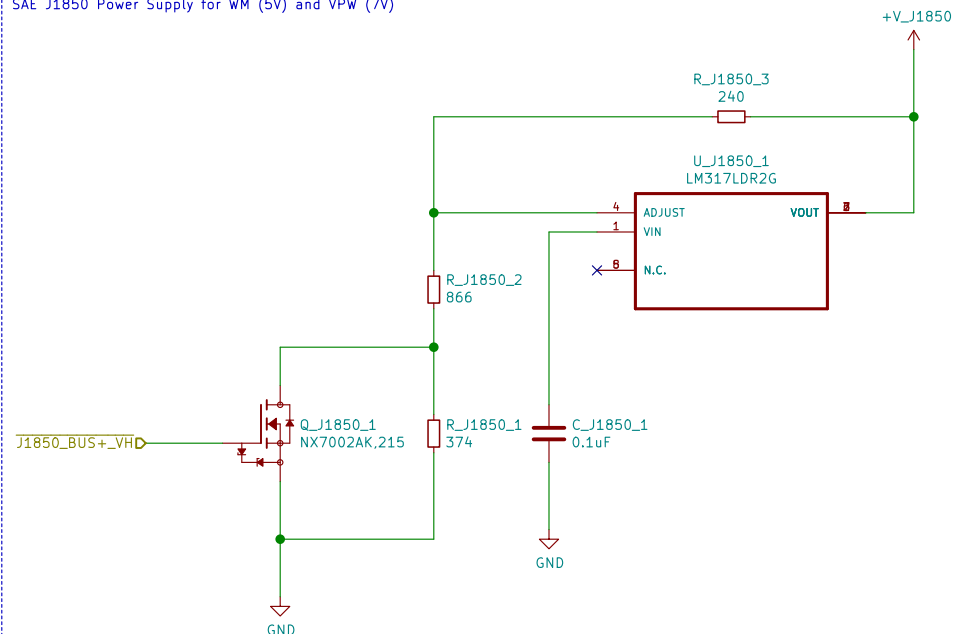




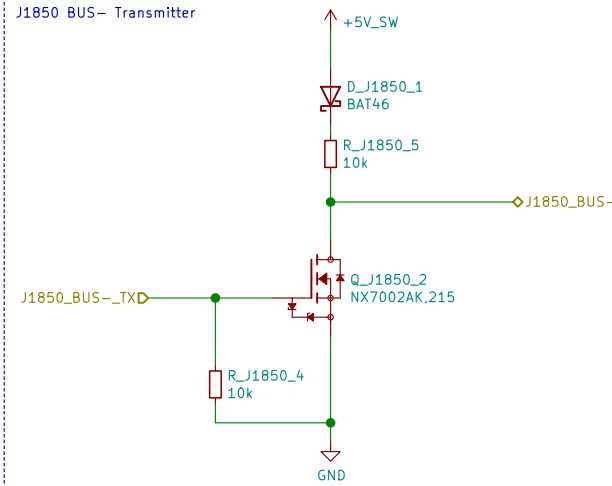




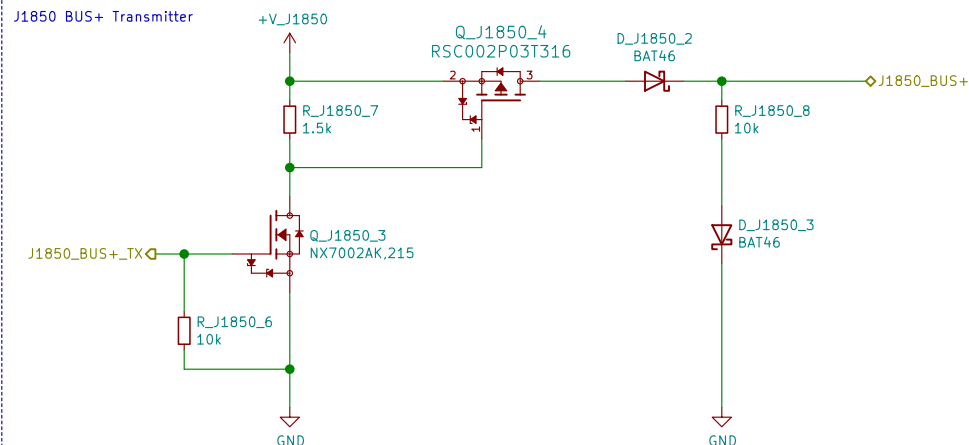
SAE J1850 Power Supply for WM (5V) and VPW (7V)



J1850 BUS- Transmitter



J1850 BUS+ Transmitter



Component Identifier: J1850

Taken from STN21xx's datasheet for recommended configuration
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Sheet: /OBDII Interpreter/SAE J1850 VPW/PWM Transceiver/
File: transceiver_sae71850.sch

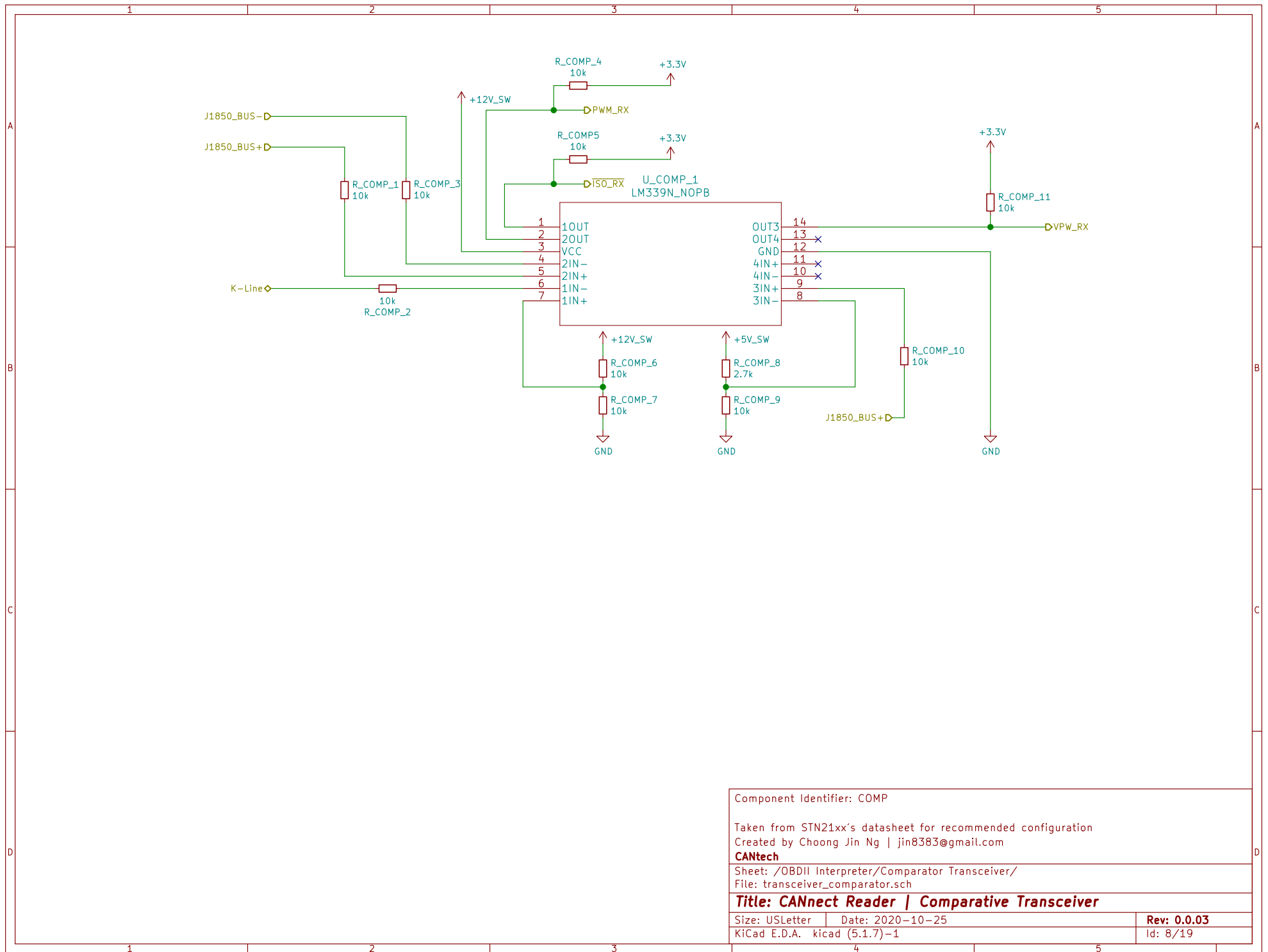
Title: CANnect Reader | SAE J1850 VPW/PWM Transceiver

Size: USLetter | Date: 2020-10-25

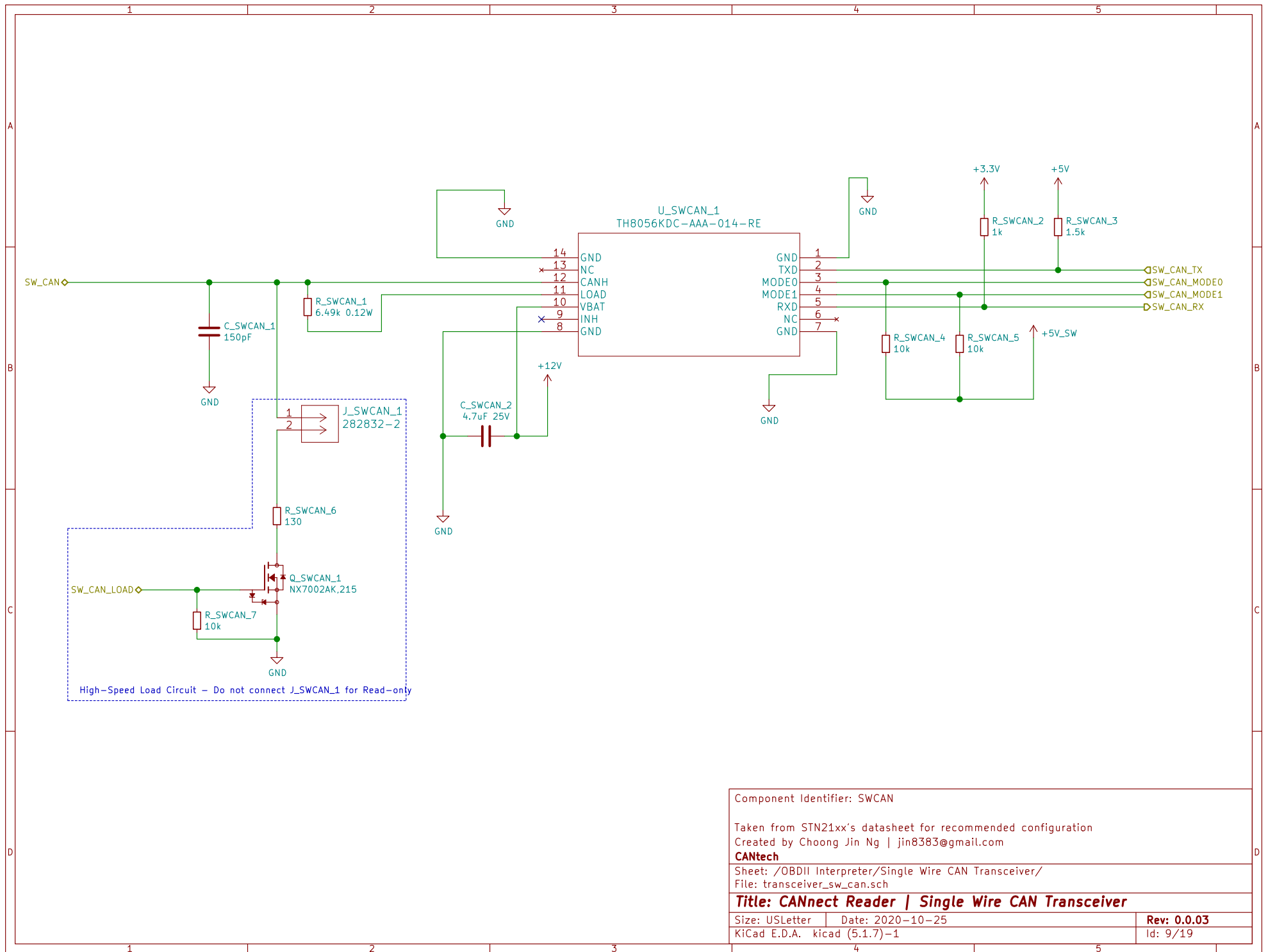
Rev: 0.0.03

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Id: 7/19



Component Identifier: COMP		
Taken from STN21xx's datasheet for recommended configuration		
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CANtech		
Sheet: /OBDII Interpreter/Comparator Transceiver/		
File: transceiver_comparator.sch		
Title: CANnect Reader / Comparative Transceiver		
Size: USLetter	Date: 2020-10-25	Rev: 0.0.03
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Component Identifier: SWCAN

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

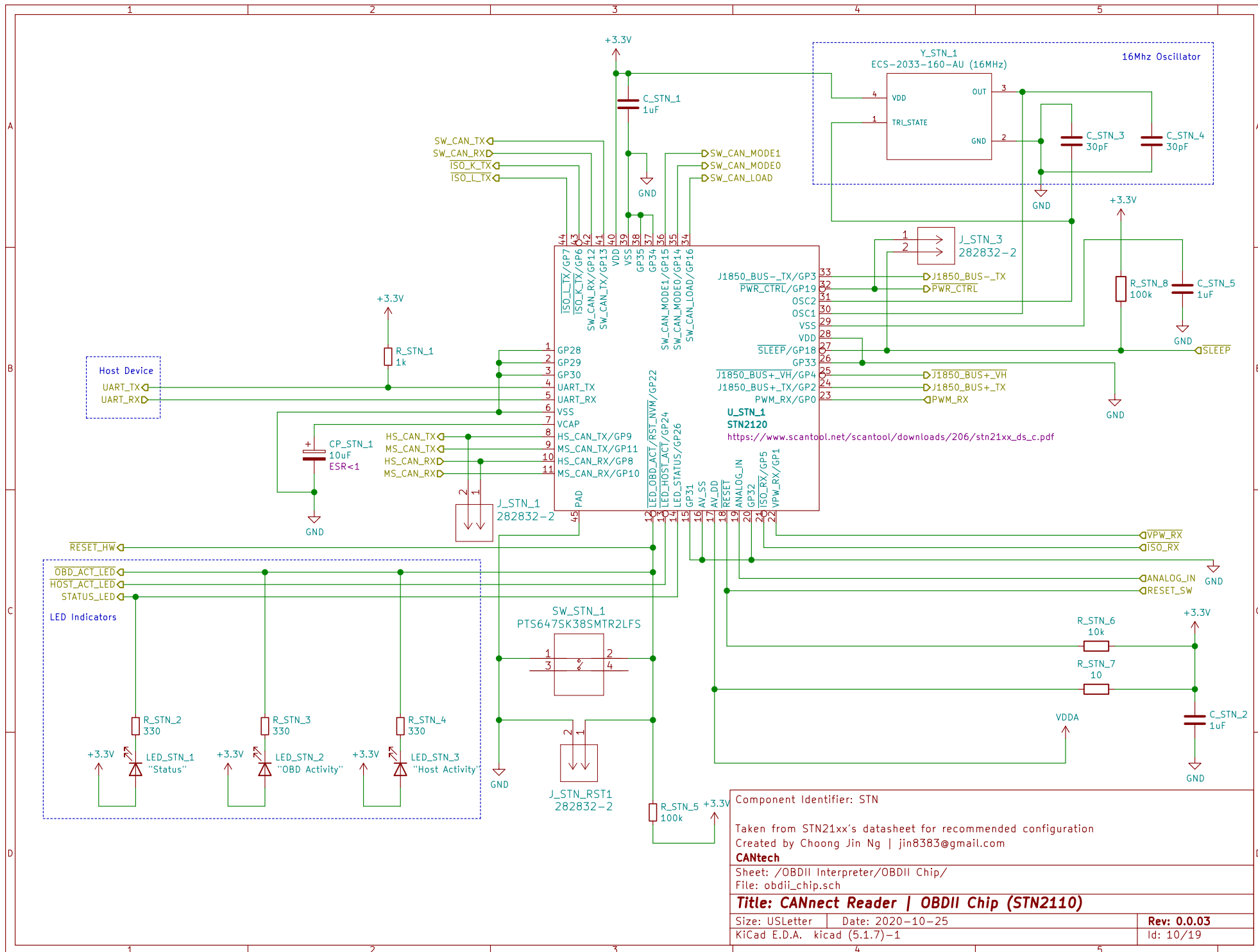
Title: CANnect Reader | Single Wire CAN Transceiver

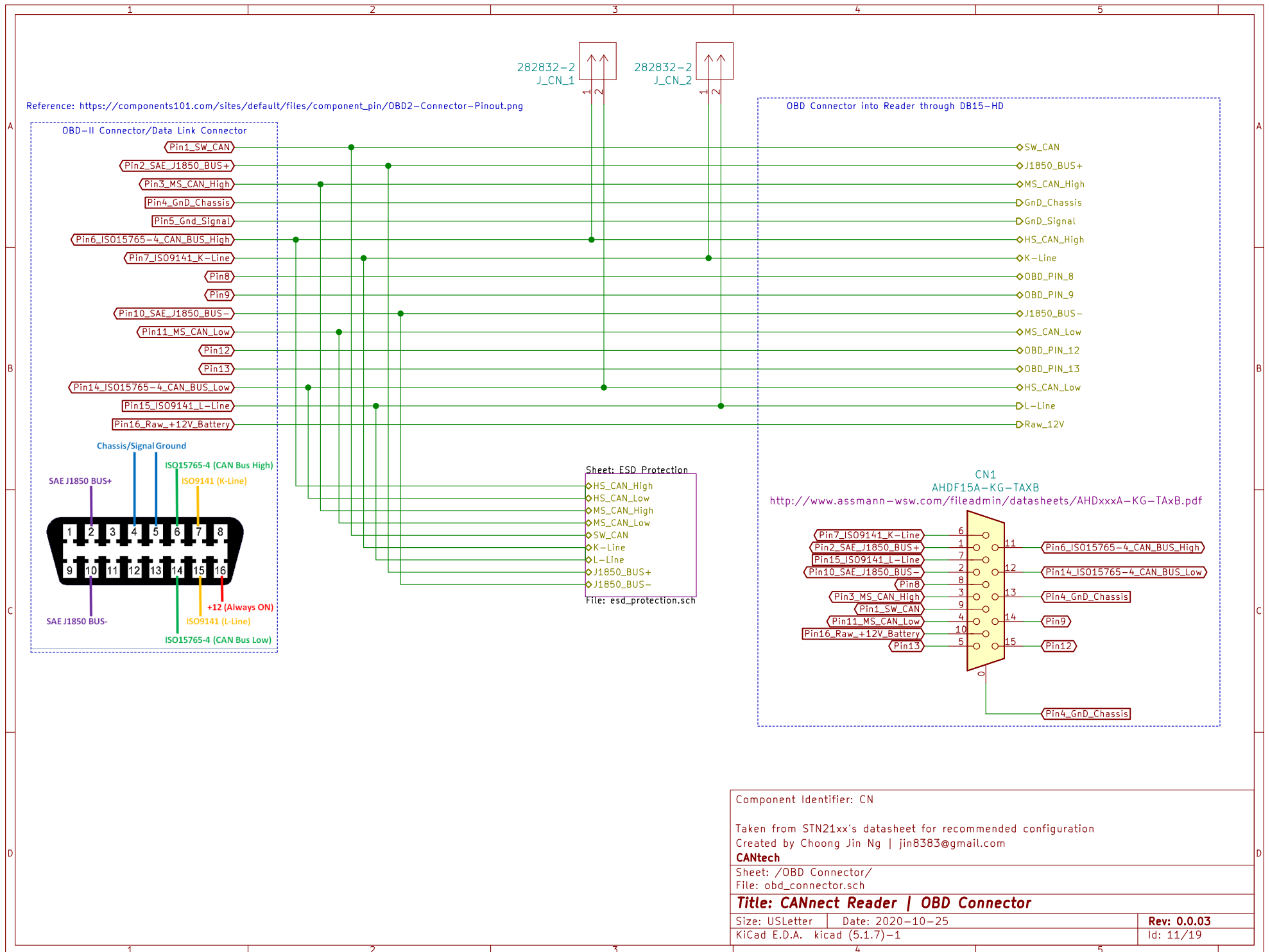
Size: USLetter | Date: 2020-10-25

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Rev: 0.0.03

Id: 9/19





Component Identifier: CN

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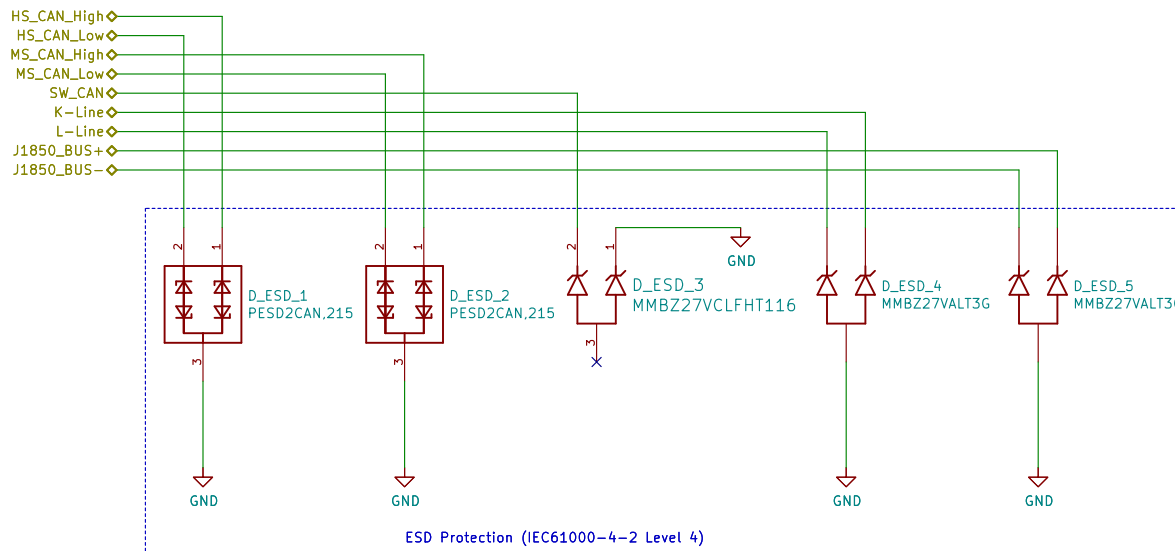
CANtech

Sheet: /OBD Connector/
File: obd_connector.sch

Title: CANnect Reader | OBD Connector

Size: USLetter | Date: 2020-10-25
KiCad E.D.A. kicad (5.1.7)-1

Rev: 0.0.03
Id: 11/19



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

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Sheet: /OBD Connector/ESD Protection/
File: esd_protection.sch

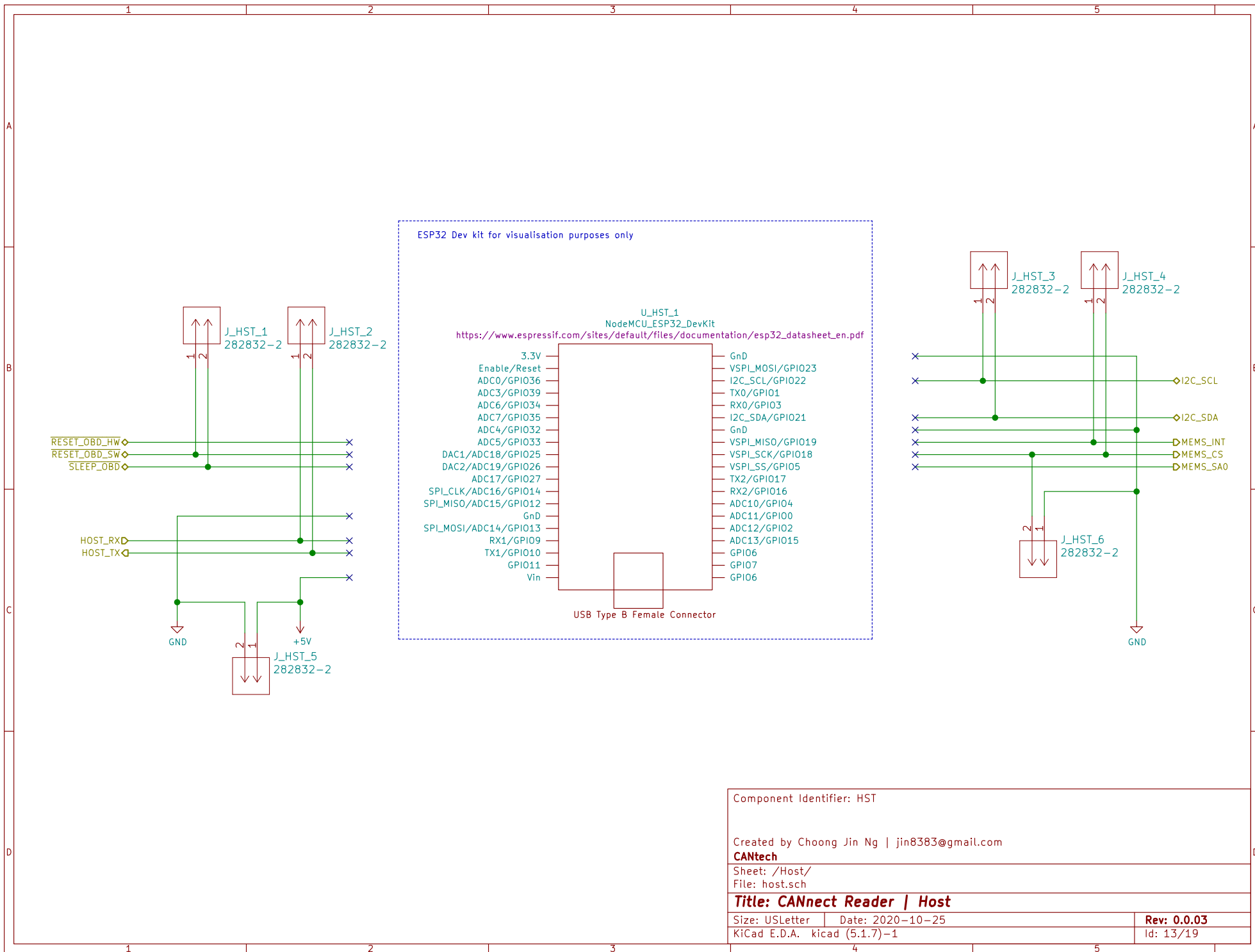
Title: CANnect Reader | ESD Protection

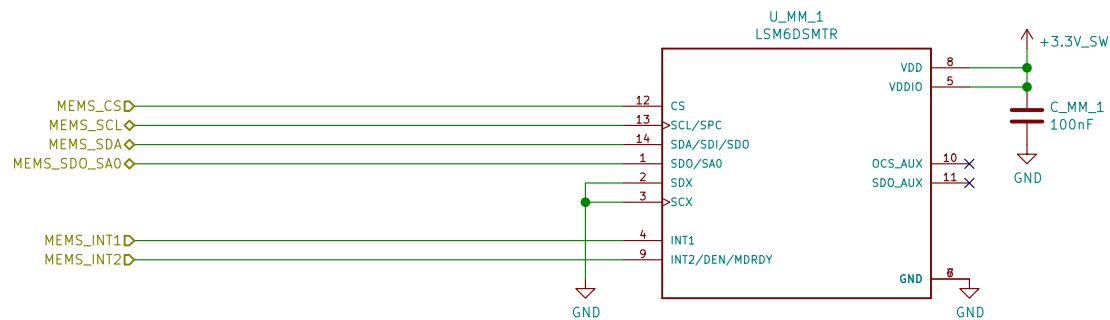
Size: USLetter | Date: 2020-10-25

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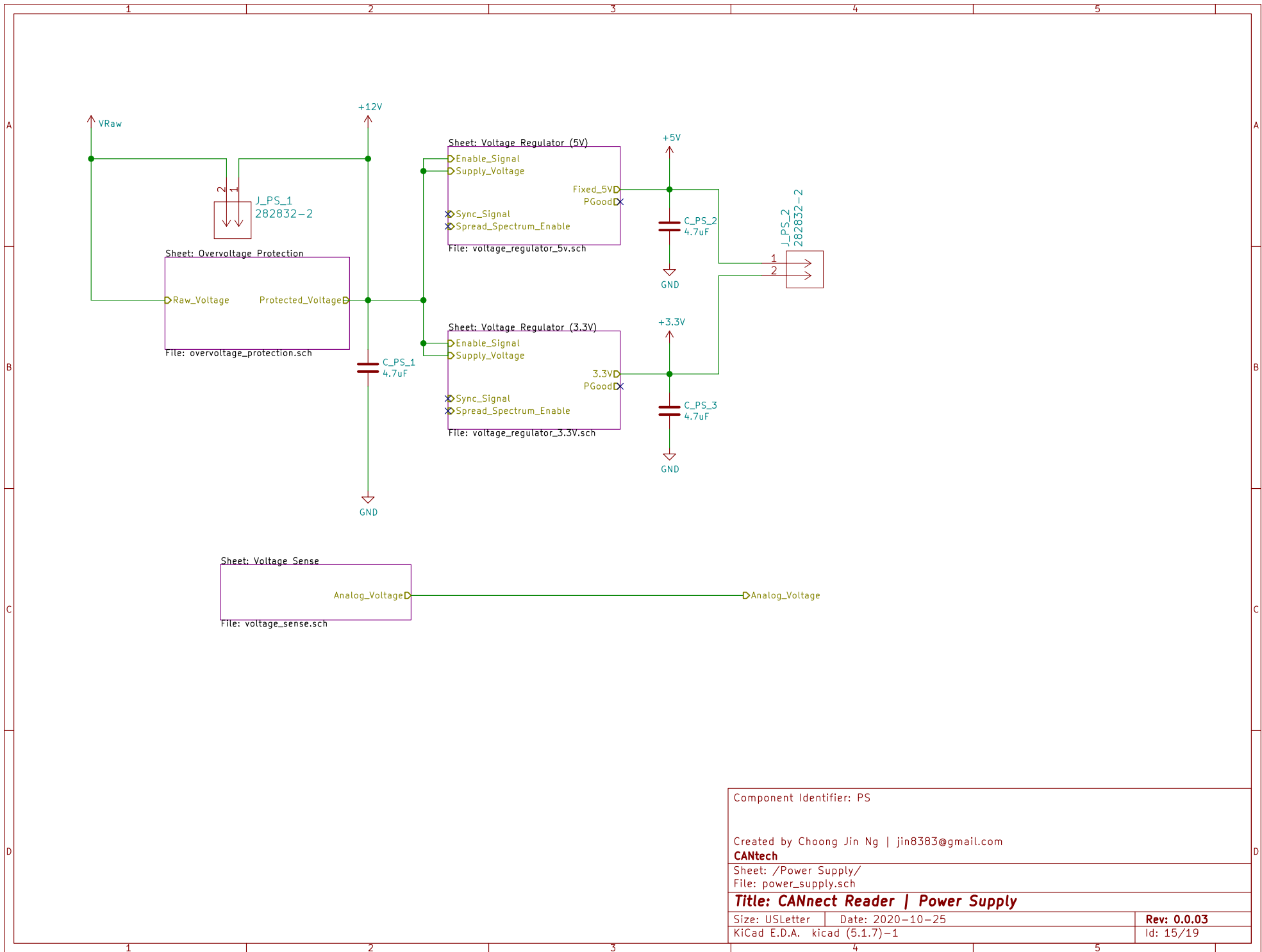
Rev: 0.0.03

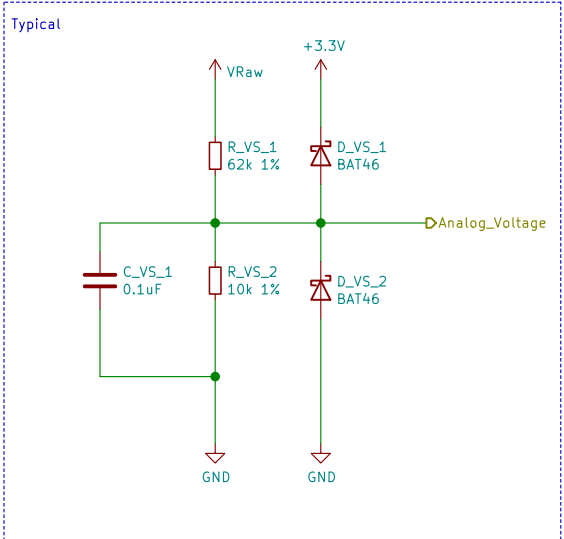
Id: 12/19



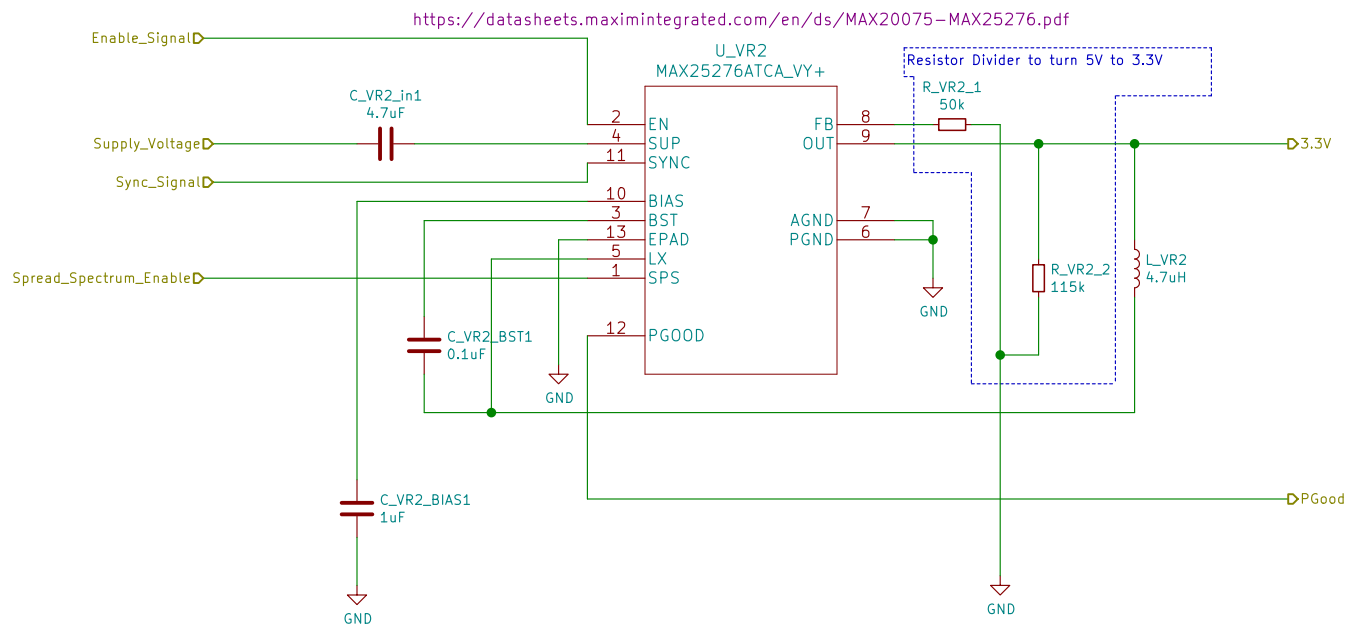


Component Identifier: MM		
Created by Choong Jin Ng jin8383@gmail.com		
CANtech		
Sheet: /Reader MEMs/ File: reader_mems.sch		
Title: CANnect Reader MEMs		
Size: USLetter	Date: 2020-10-25	Rev: 0.0.03
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Component Identifier: VS		
Taken from STN21xx's 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: 2020-10-25	Rev: 0.0.03
KiCad E.D.A. kicad (5.1.7)-1		Id: 16/19



Component Identifier: VR2

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

File: voltage_regulator_3.3V.sch

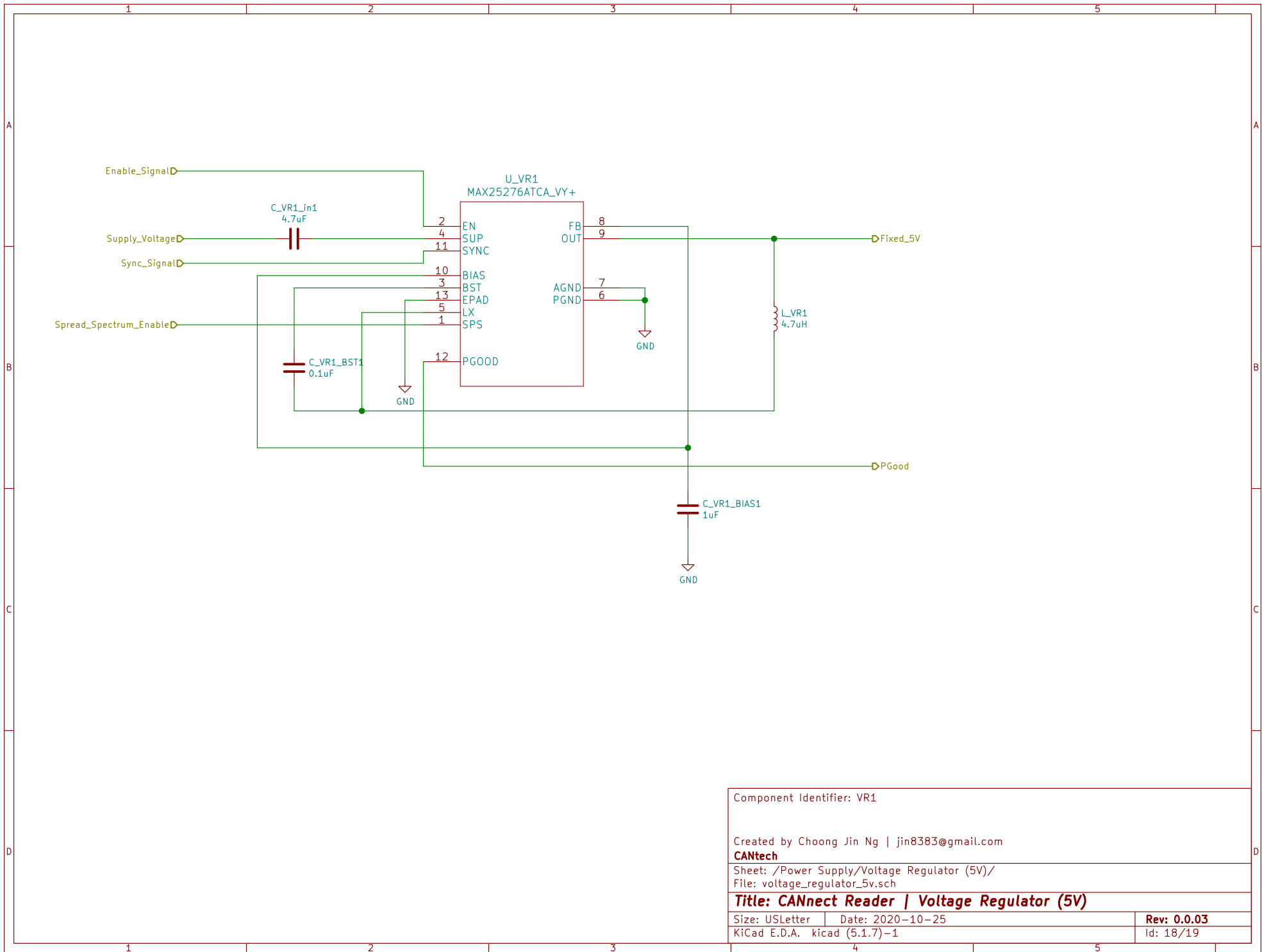
Title: CANnect Reader | Voltage Regulator (3.3V)

Size: USLetter | Date: 2020-10-25

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Rev: 0.0.03

Id: 17/19



Component Identifier: VR1		
Created by Choong Jin Ng jin8383@gmail.com		
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Sheet: /Power Supply/Voltage Regulator (5V)/		
File: voltage_regulator_5v.sch		
Title: CANnect Reader Voltage Regulator (5V)		
Size: USLetter	Date: 2020-10-25	Rev: 0.0.03
KiCad E.D.A. kicad (5.1.7)-1		Id: 18/19

