

Created by Choong Jin Ng | jin8383@gmail.com

CANtech

Sheet: /

File: Reader.sch

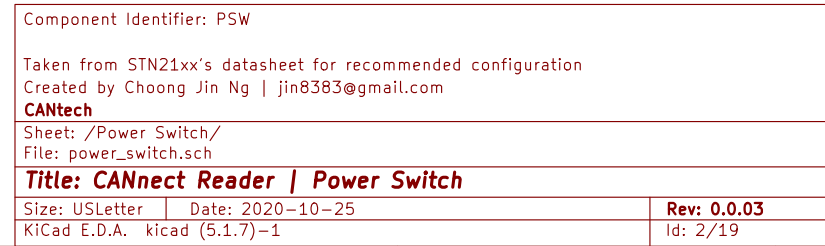
Title: CANnect Reader

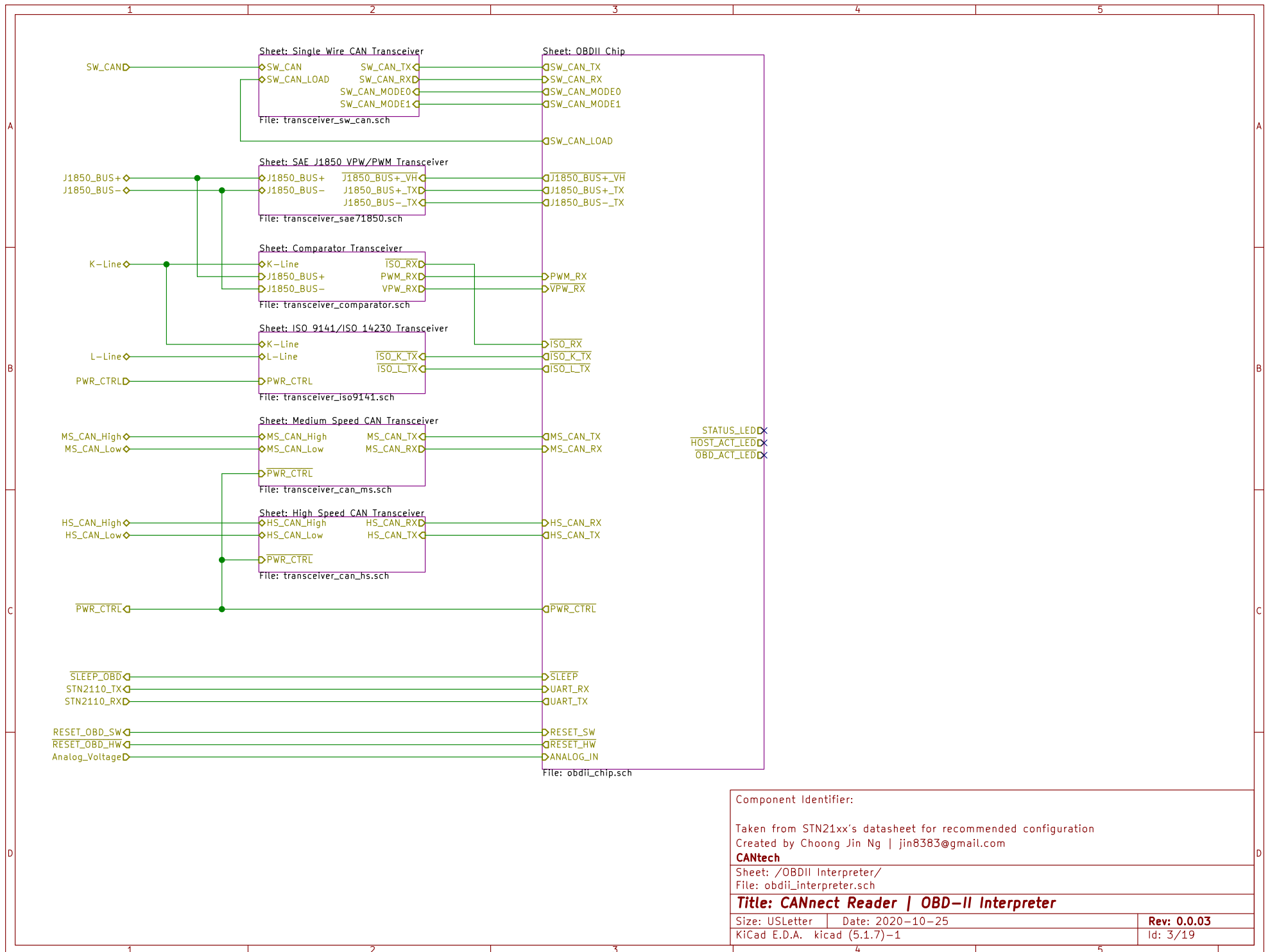
Size: USLetter | Date: 2020-10-25

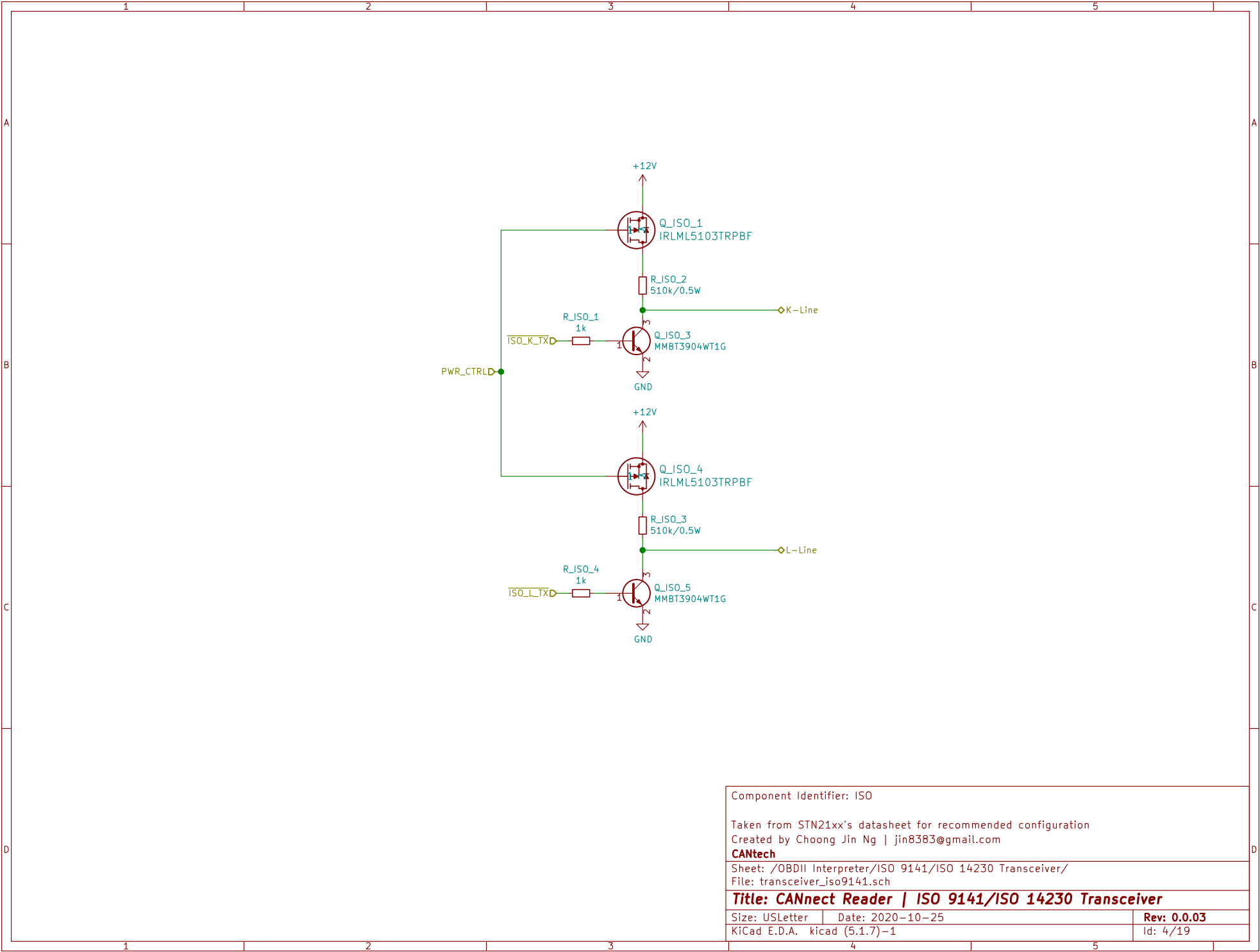
KiCad E.D.A. kicad (5.1.7)-1

Rev: 0.0.03

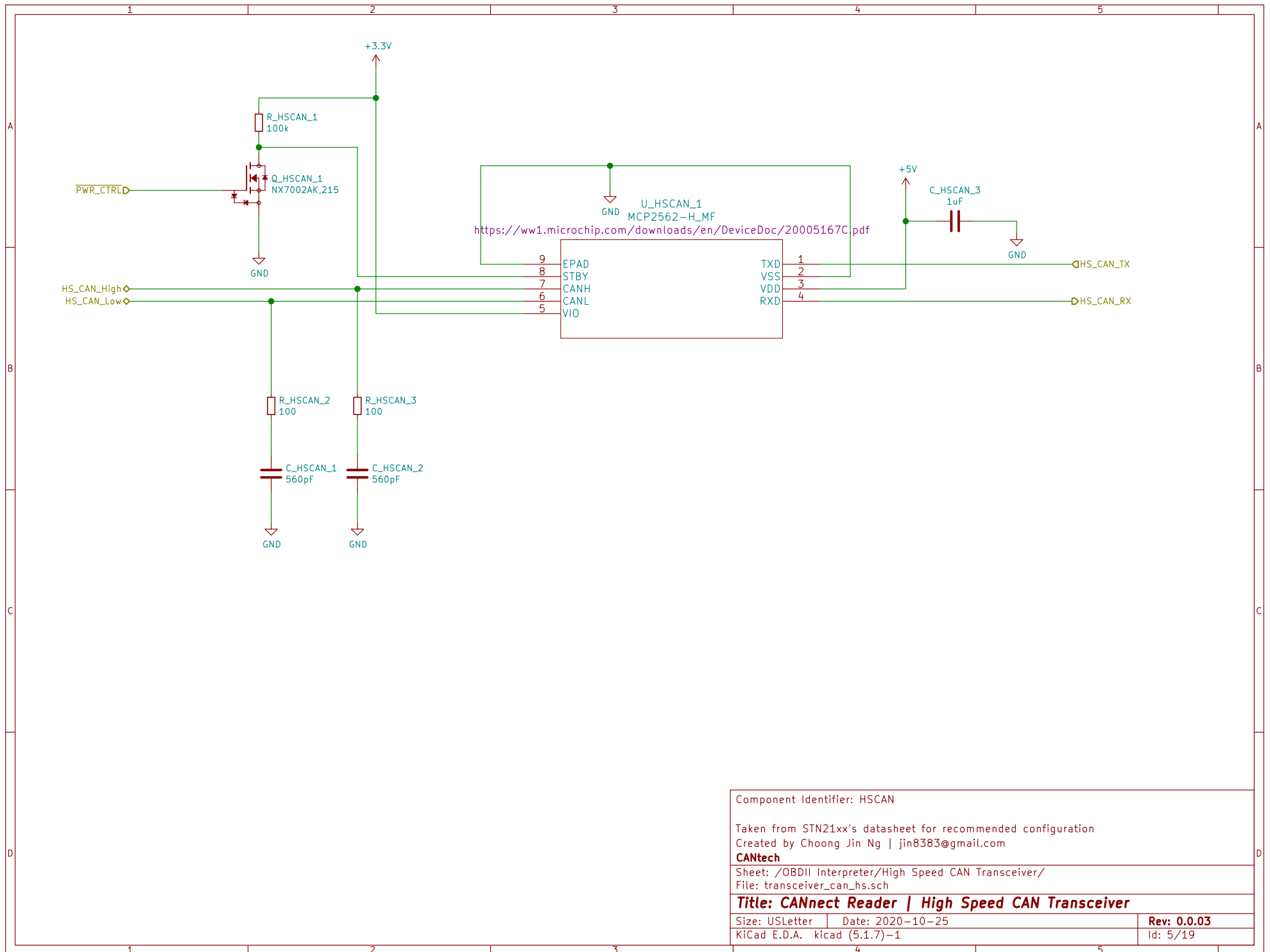
Id: 1/19

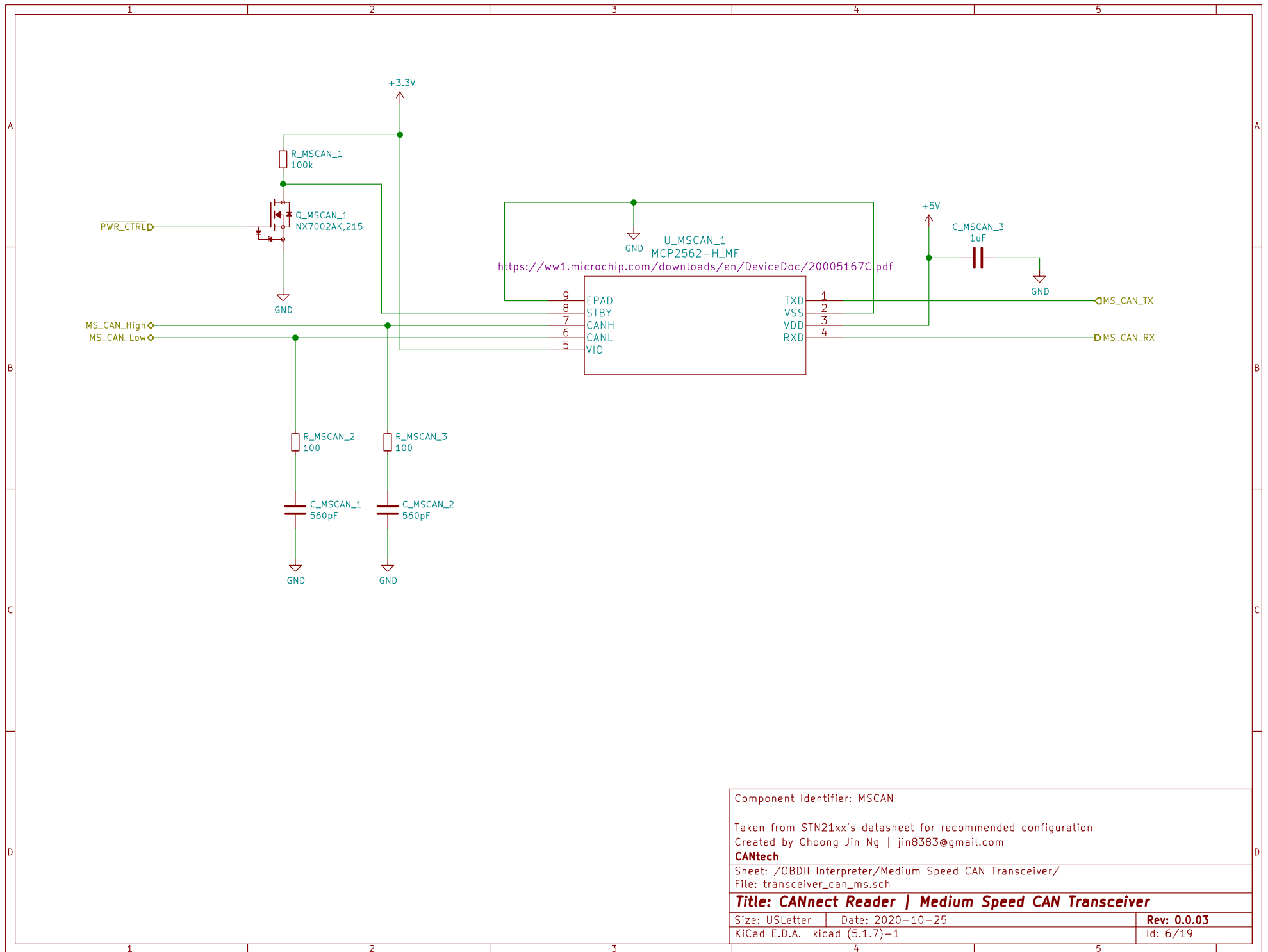


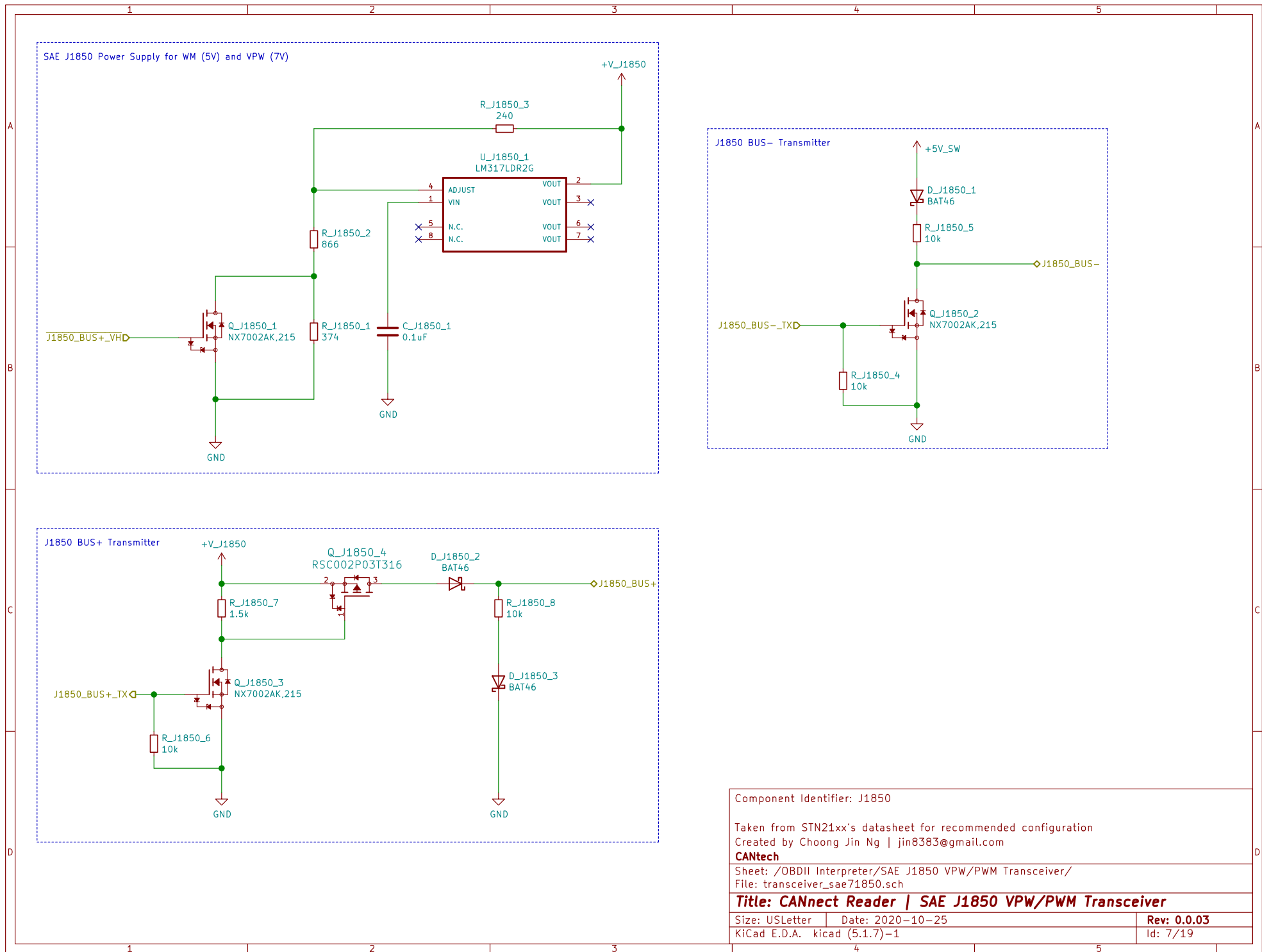


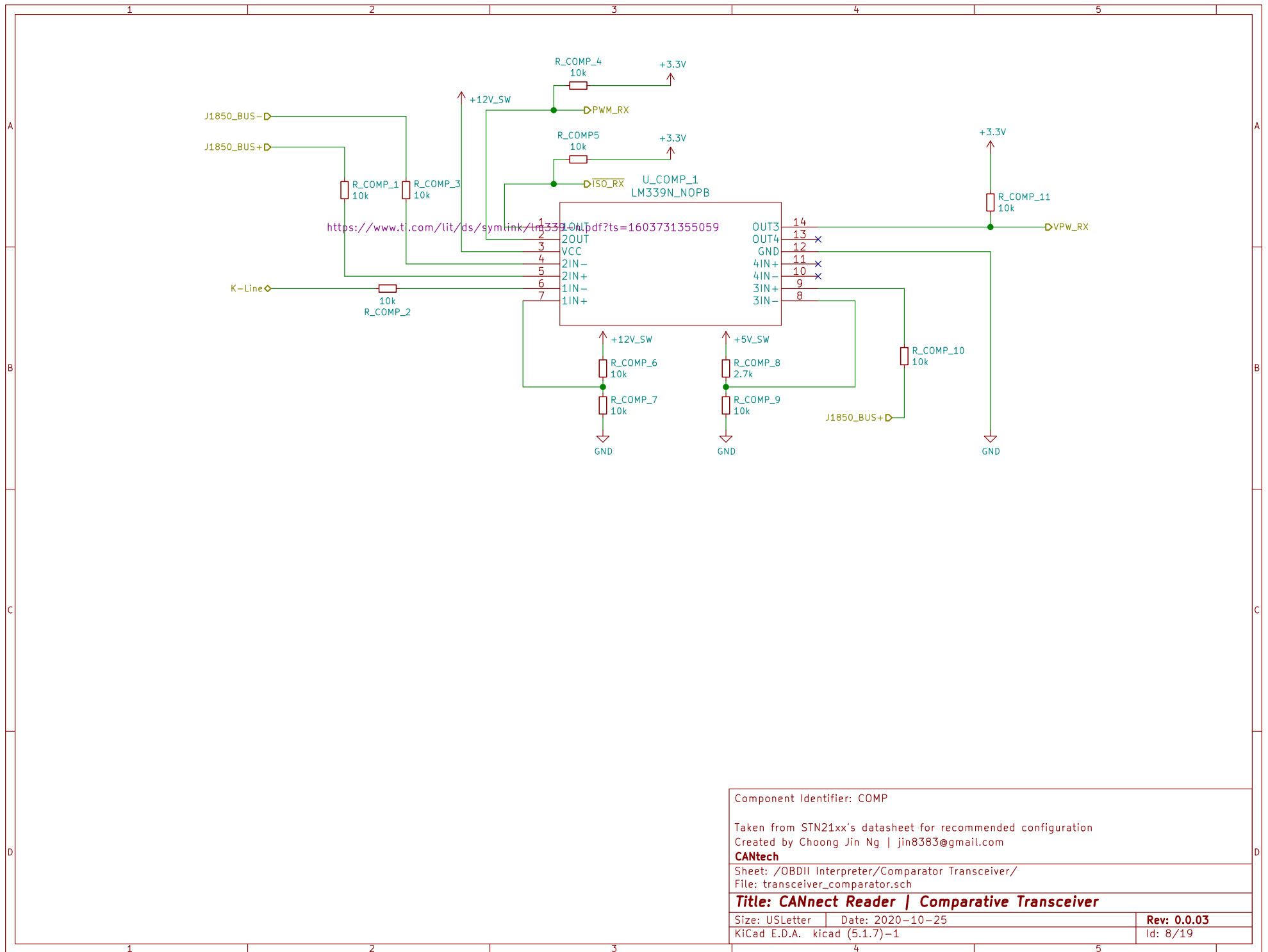


Component Identifier: ISO		
Taken from STN21xx's datasheet for recommended configuration		
Created by Choong Jin Ng jin8383@gmail.com		
CANtech		
Sheet: /OBDII Interpreter/ISO 9141/ISO 14230 Transceiver/		
File: transceiver_iso9141.sch		
Title: CANnect Reader ISO 9141/ISO 14230 Transceiver		
Size: USLetter	Date: 2020-10-25	Rev: 0.0.03
KiCad E.D.A. kicad (5.1.7)-1		Id: 4/19

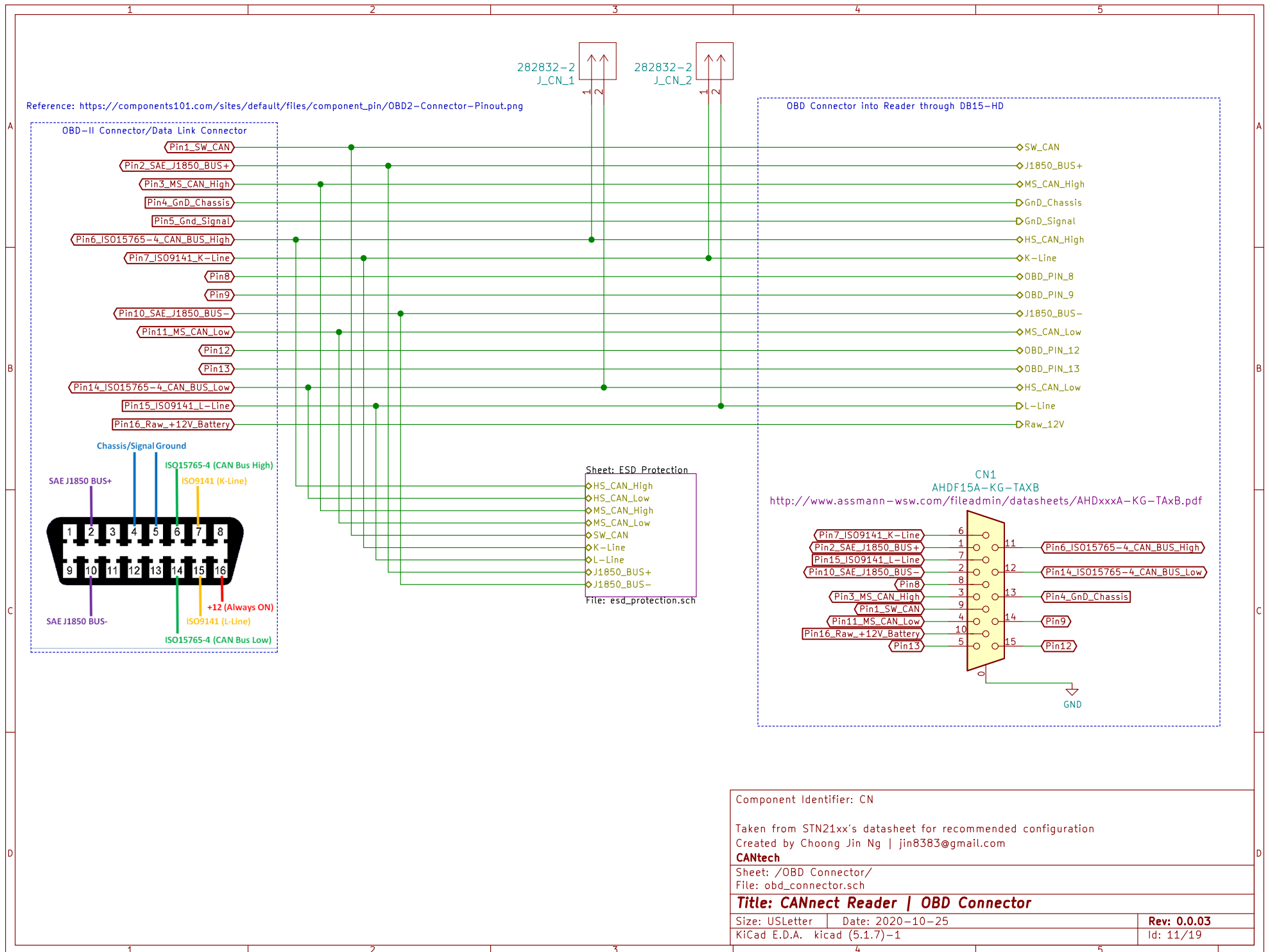


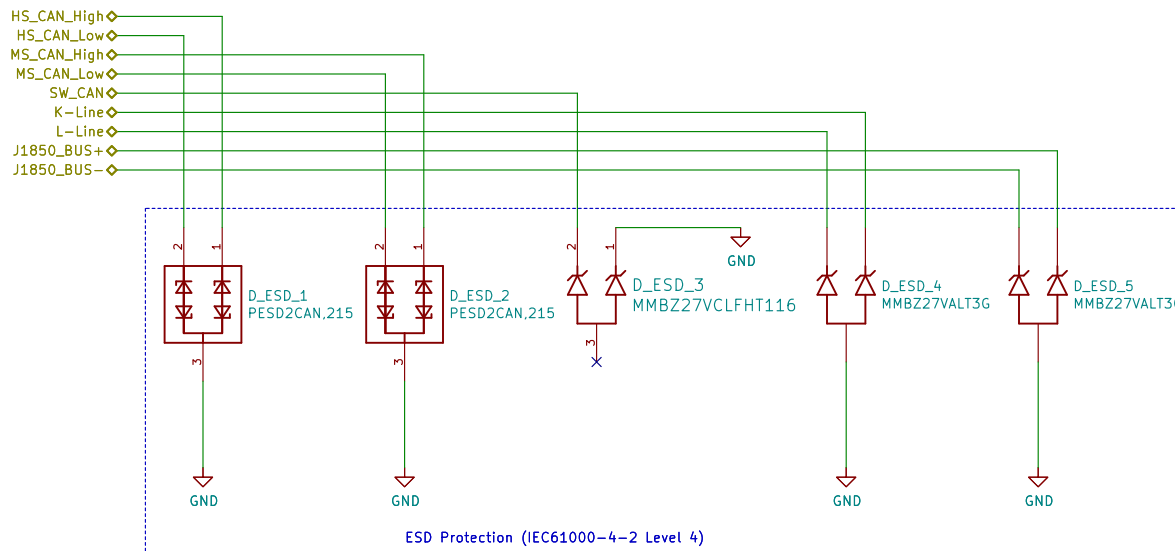






Component Identifier: COMP		
Taken from STN21xx's datasheet for recommended configuration		
Created by Choong Jin Ng jin8383@gmail.com		
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Sheet: /OBDII Interpreter/Comparator Transceiver/		
File: transceiver_comparator.sch		
Title: CANnect Reader / Comparative Transceiver		
Size: USLetter	Date: 2020-10-25	Rev: 0.0.03
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Component Identifier: ESD
Taken from STN21xx's datasheet for recommended configuration

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

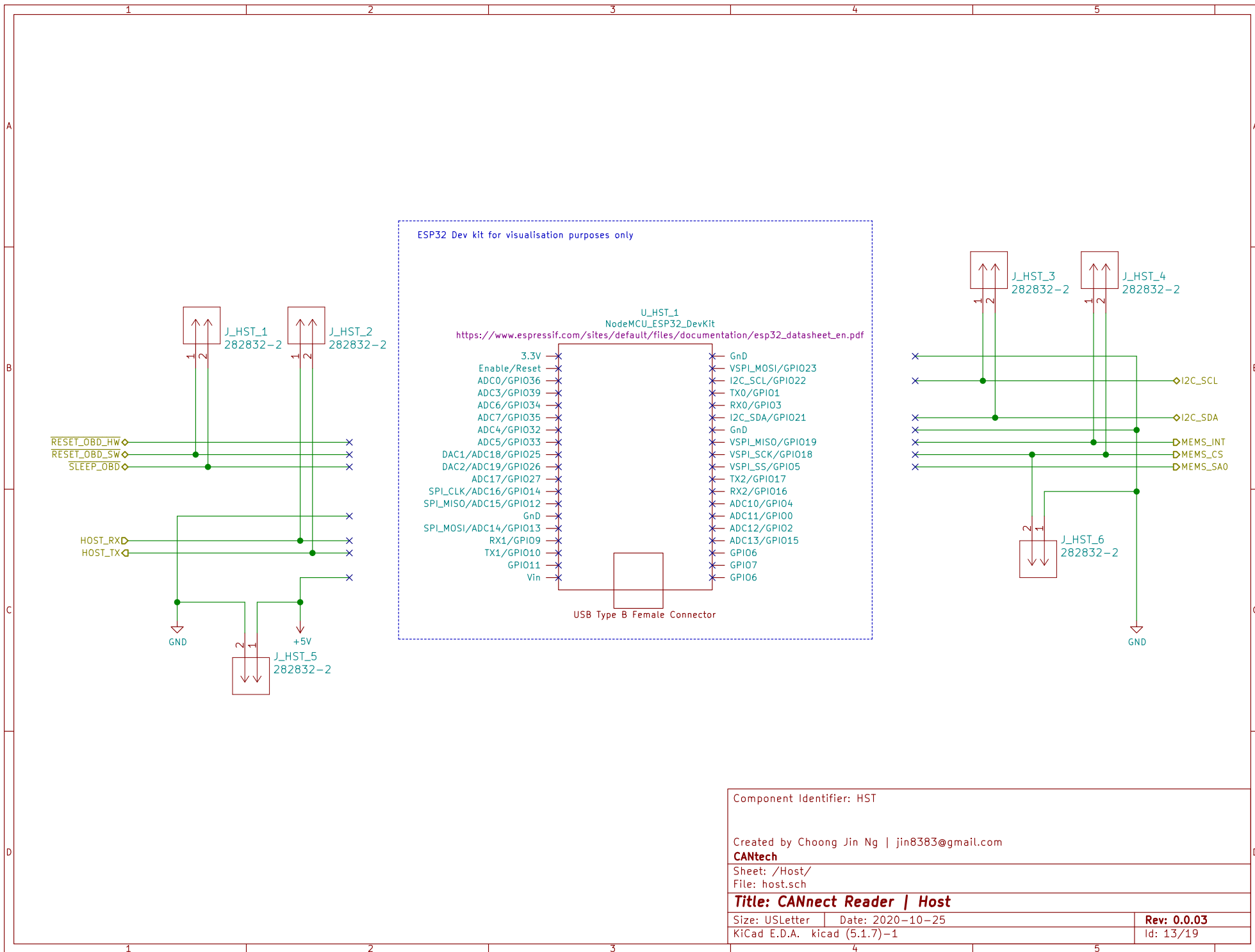
Title: CANnect Reader | ESD Protection

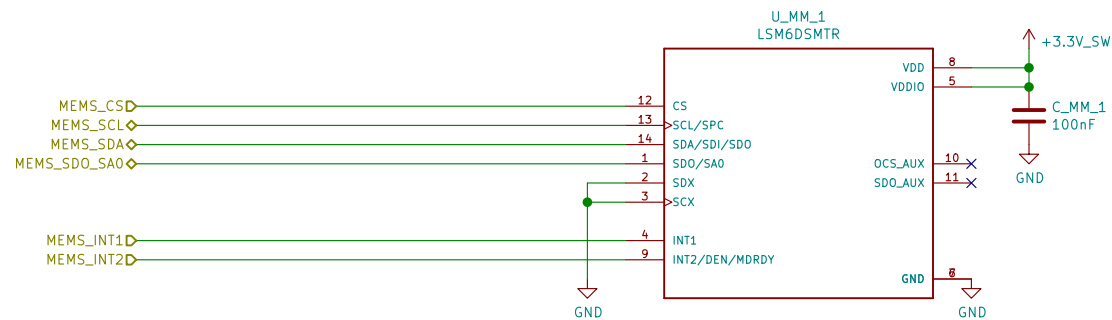
Size: USLetter | Date: 2020-10-25

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Rev: 0.0.03

Id: 12/19





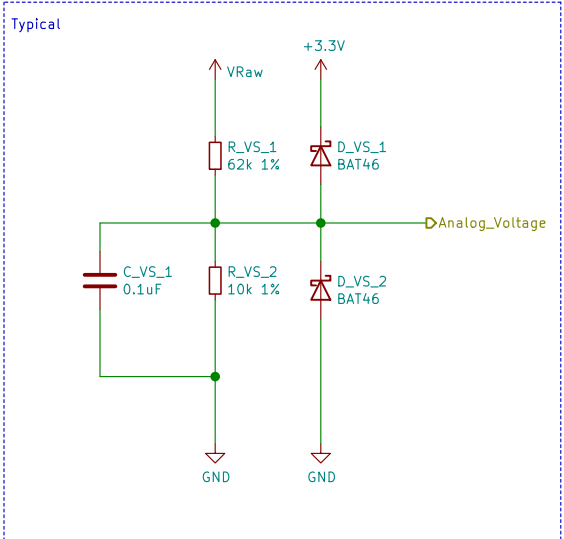
Component Identifier: MM		
Created by Choong Jin Ng jin8383@gmail.com		
CANtech		
Sheet: /Reader MEMs/ File: reader_mems.sch		
Title: CANnect Reader MEMs		
Size: USLetter	Date: 2020-10-25	Rev: 0.0.03
KiCad E.D.A. kicad (5.1.7)-1		Id: 14/19

Need to redesign this for new current specs

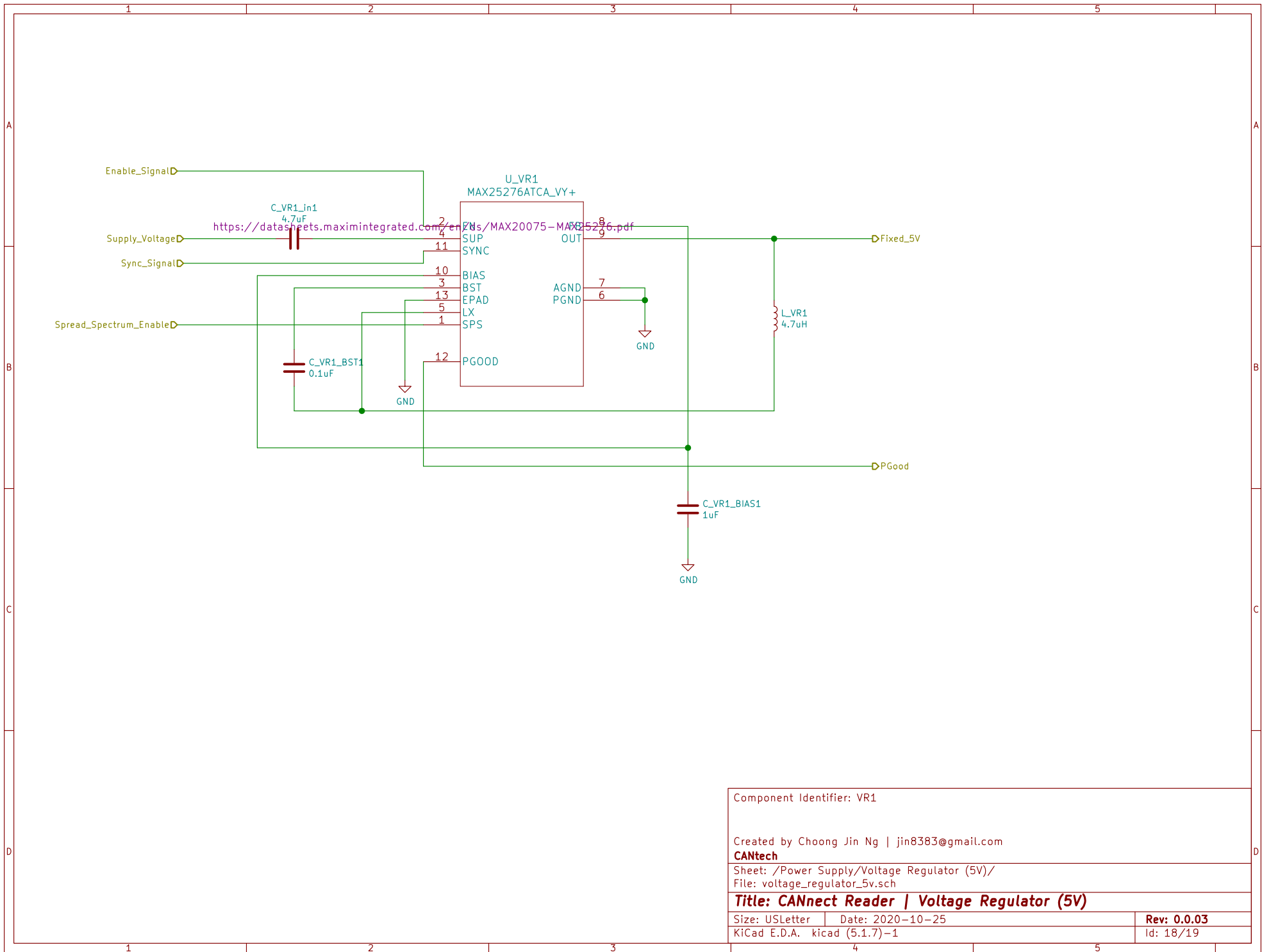
Raw_Voltage

Protected_Voltage

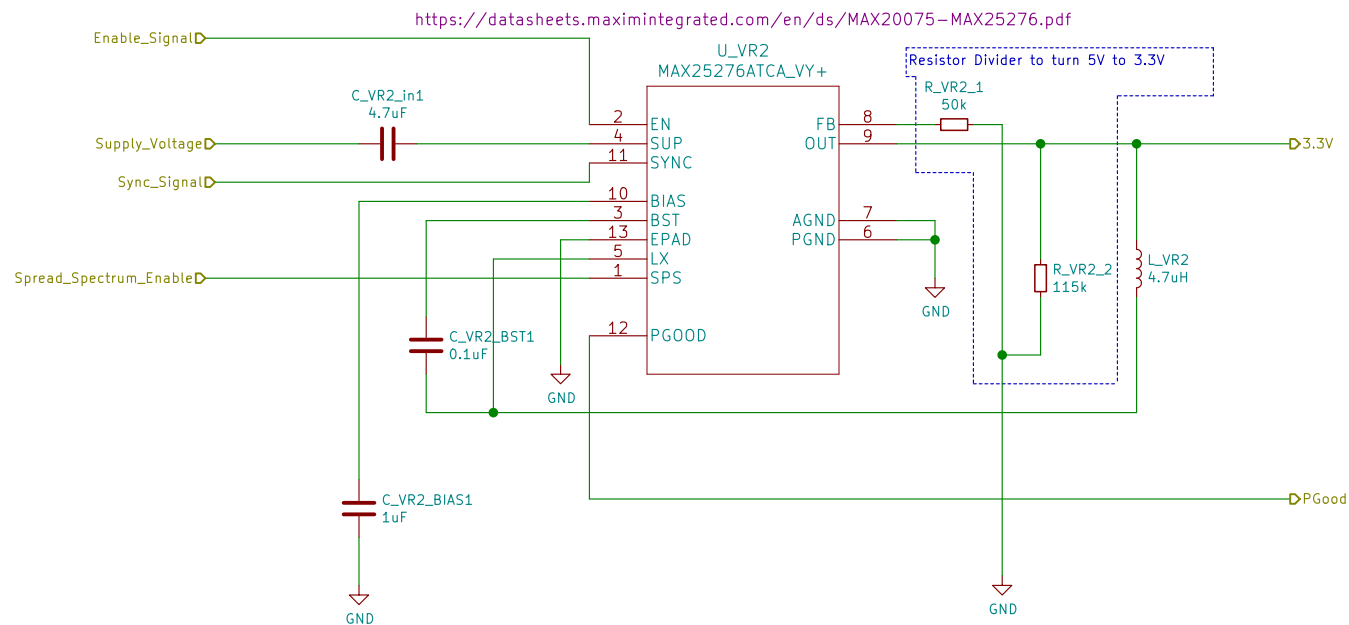
Component Identifier: OVP		
Taken from STN21xx's datasheet for recommended configuration		
Created by Choong Jin Ng jin8383@gmail.com		
CANtech		
Sheet: /Power Supply/Overvoltage Protection/		
File: overvoltage_protection.sch		
Title: CANnect Reader / Overvoltage Protection		
Size: USLetter	Date: 2020-10-25	Rev: 0.0.03
KiCad E.D.A. kicad (5.1.7)-1		Id: 16/19



Component Identifier: VS		
Taken from STN21xx's datasheet for recommended configuration Created by Choong Jin Ng jin8383@gmail.com		
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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: 17/19



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: 2020-10-25	Rev: 0.0.03
KiCad E.D.A. kicad (5.1.7)-1		Id: 18/19



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

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

Rev: 0.0.03

Id: 19/19