

Bottom Main Card

Root CNC

Sheet: /ShiftReg_XY/

File: ShiftReg_Buff.sch

Title: Root Controller ISO

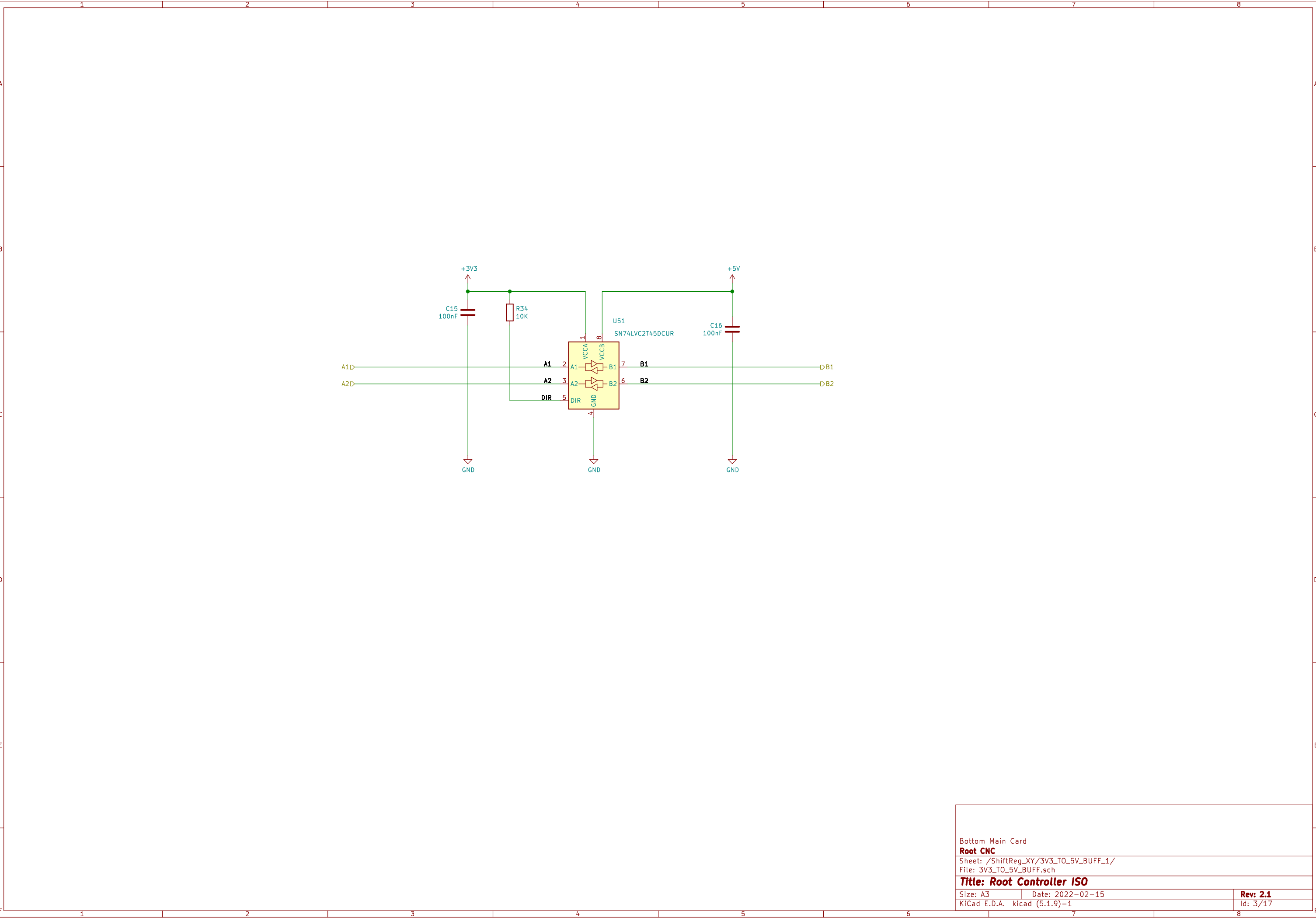
Size: A3

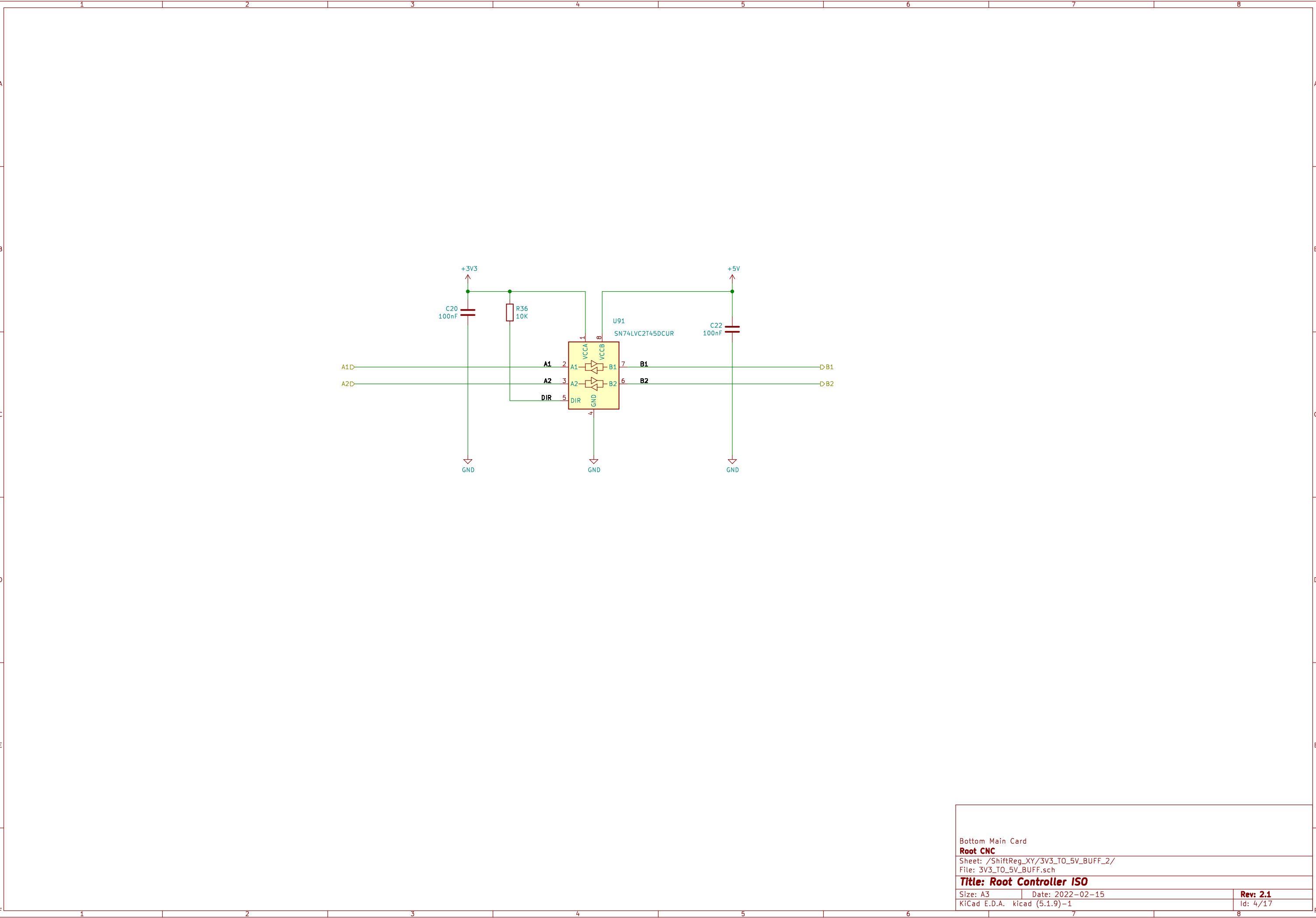
Date: 2022-02-15

Rev: 2.1

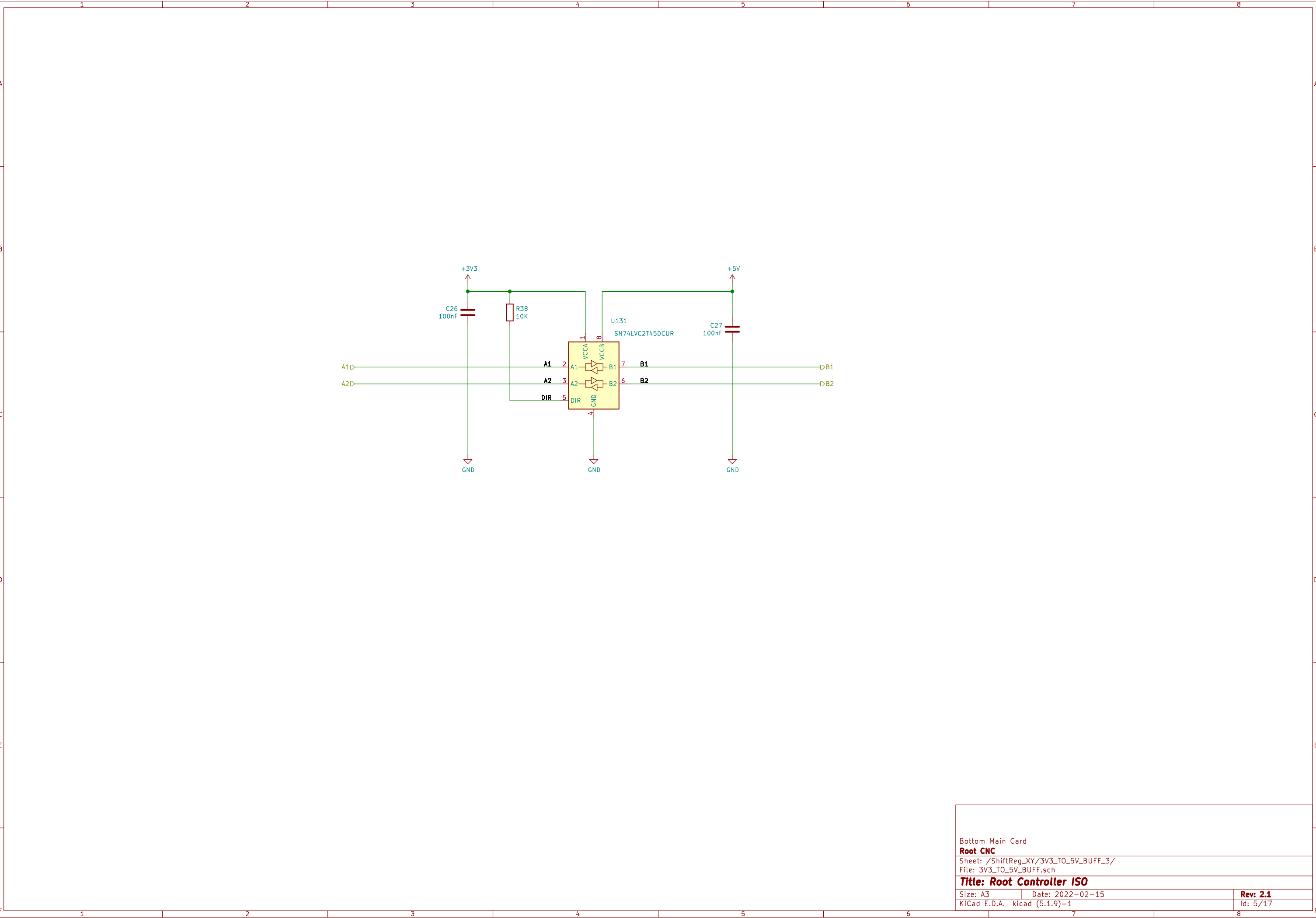
KiCad E.D.A. kicad (5.1.9)-1

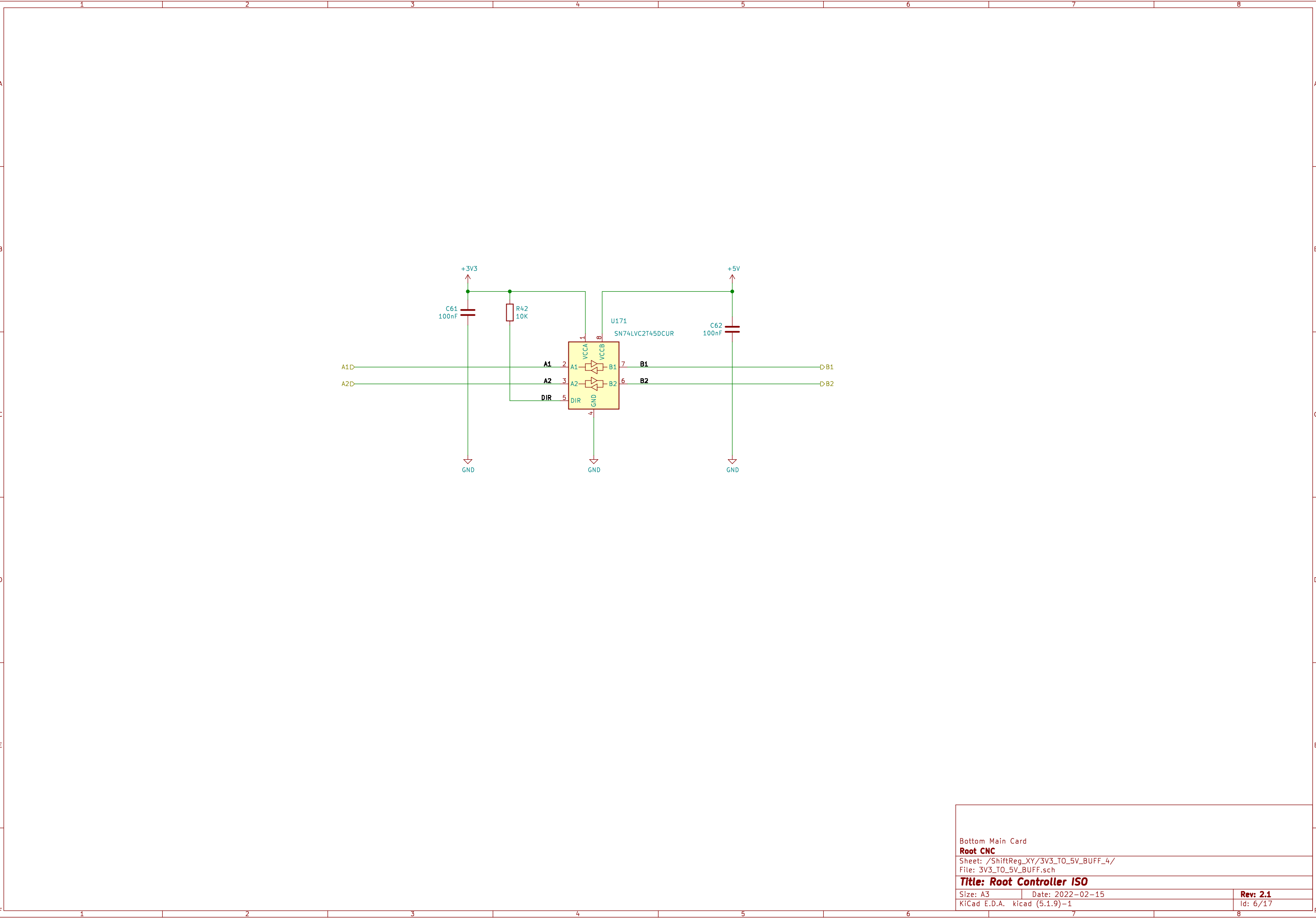
Id: 2/17



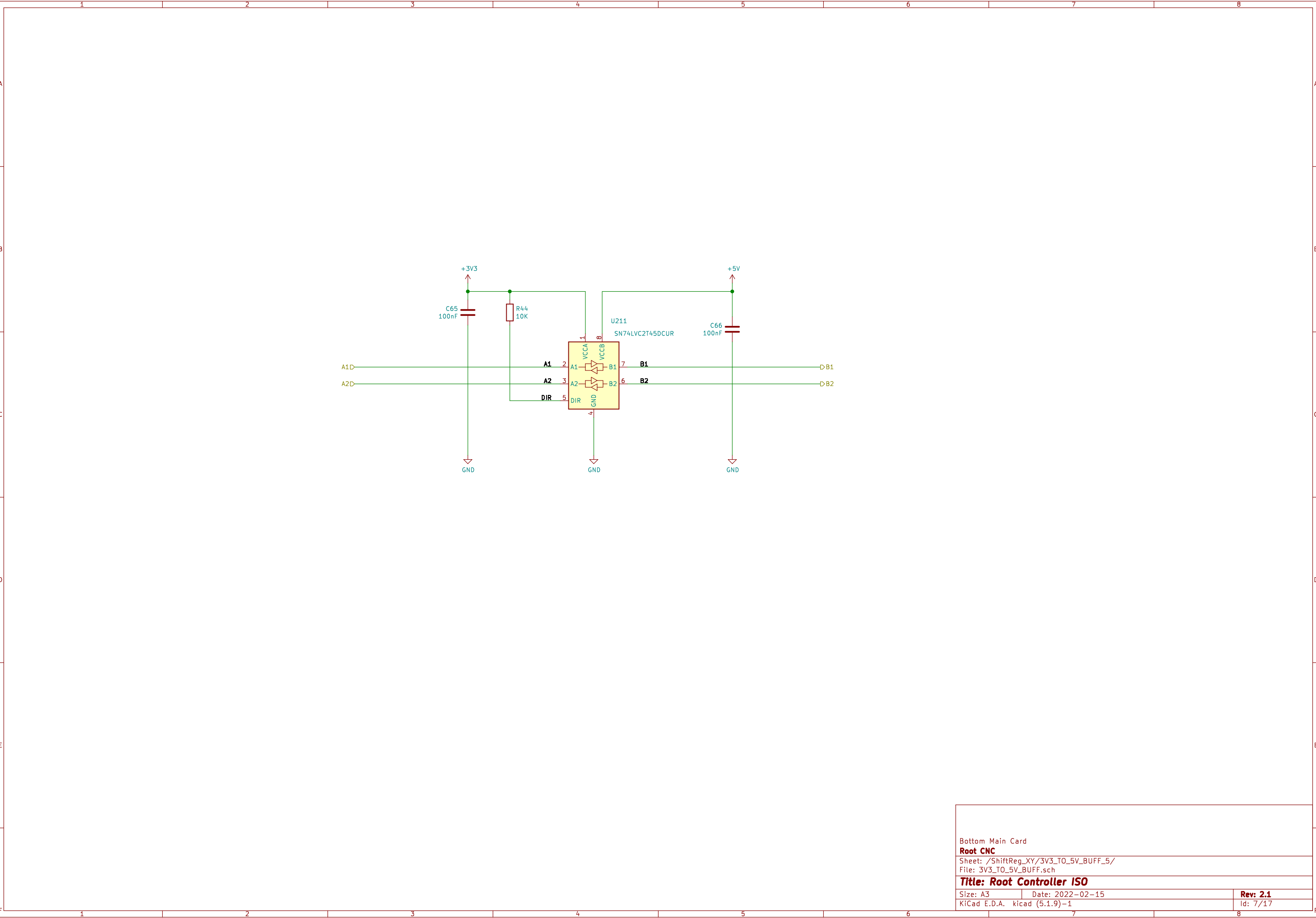


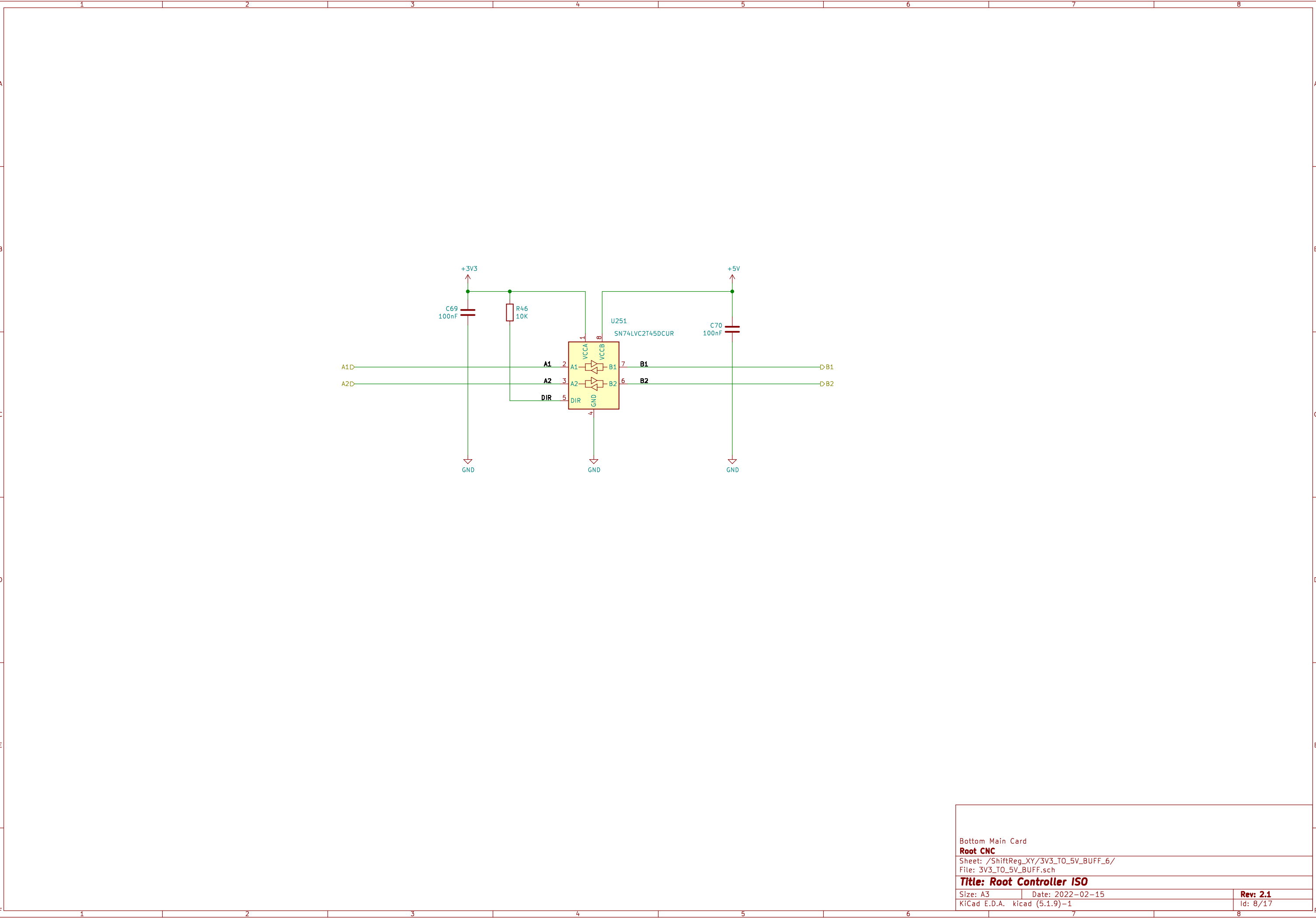
Bottom Main Card		
Root CNC		
Sheet: /ShiftReg_XY/3V3_TO_5V_BUFF_2/		
File: 3V3_TO_5V_BUFF.sch		
Title: Root Controller ISO		
Size: A3	Date: 2022-02-15	Rev: 2.1
KiCad E.D.A. kicad (5.1.9)-1	Id: 4/17	

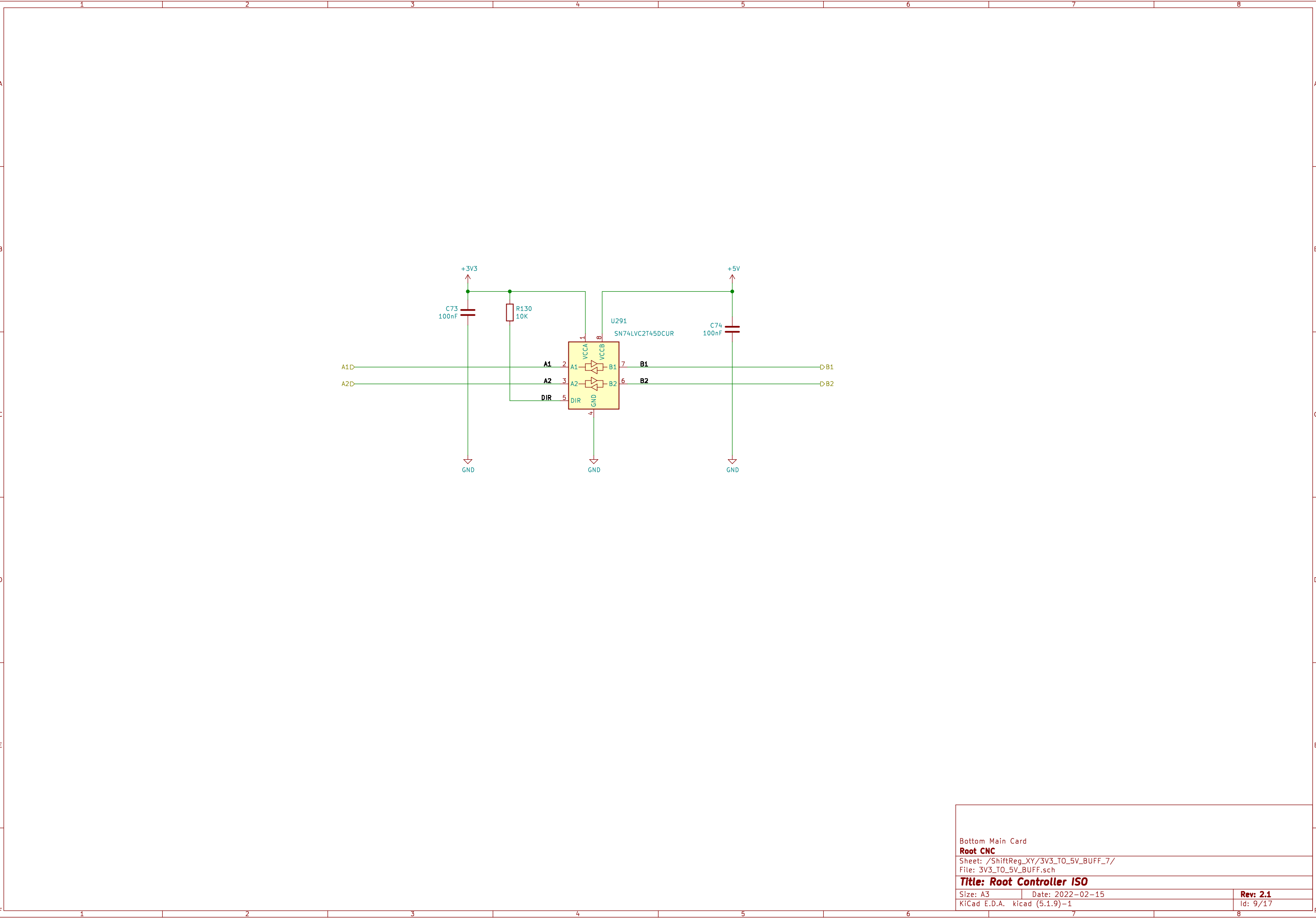




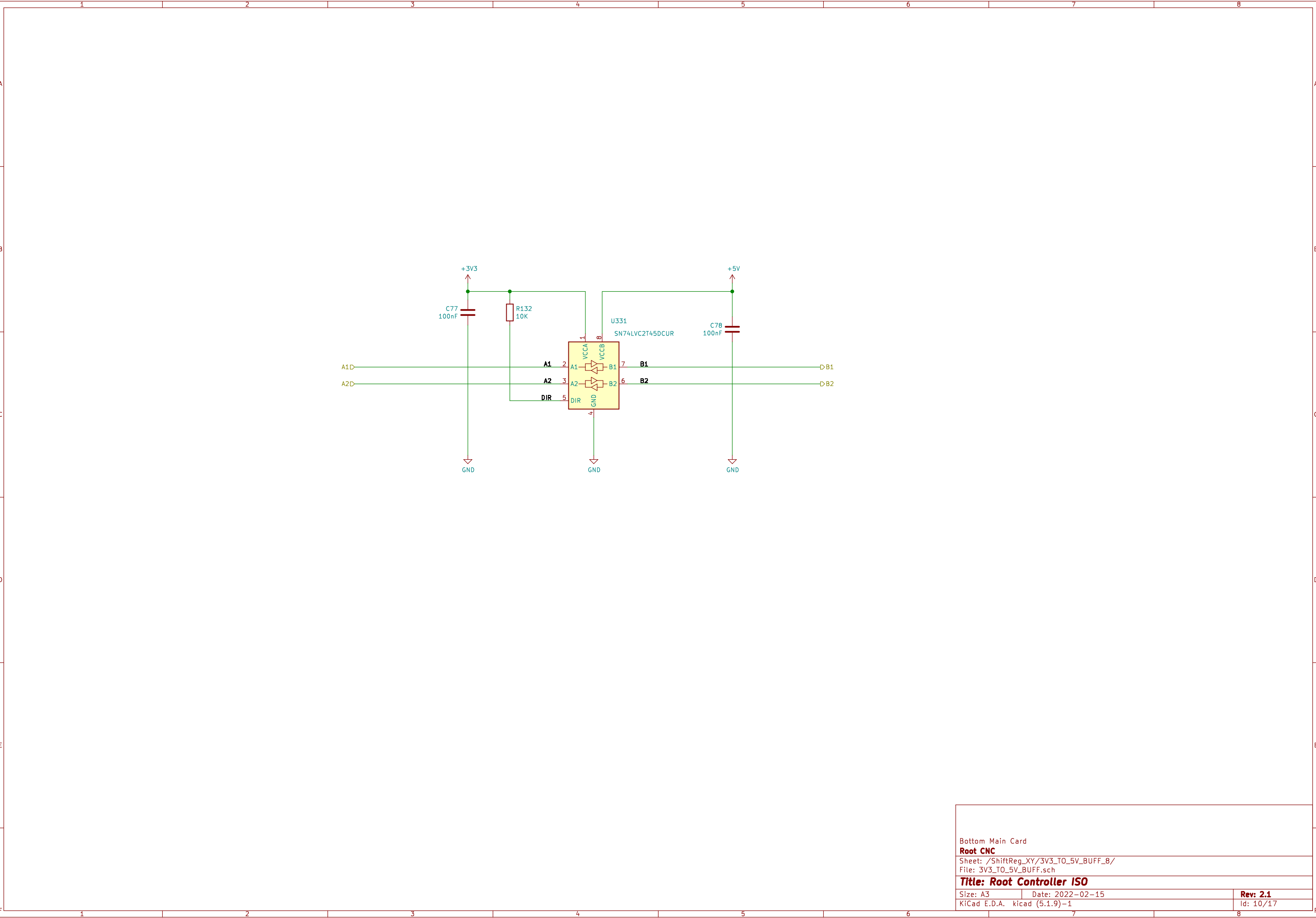
Bottom Main Card		
Root CNC		
Sheet: /ShiftReg_XY/3V3_TO_5V_BUFF_4/		
File: 3V3_TO_5V_BUFF.sch		
Title: Root Controller ISO		
Size: A3	Date: 2022-02-15	Rev: 2.1
KiCad E.D.A. kicad (5.1.9)-1		Id: 6/17



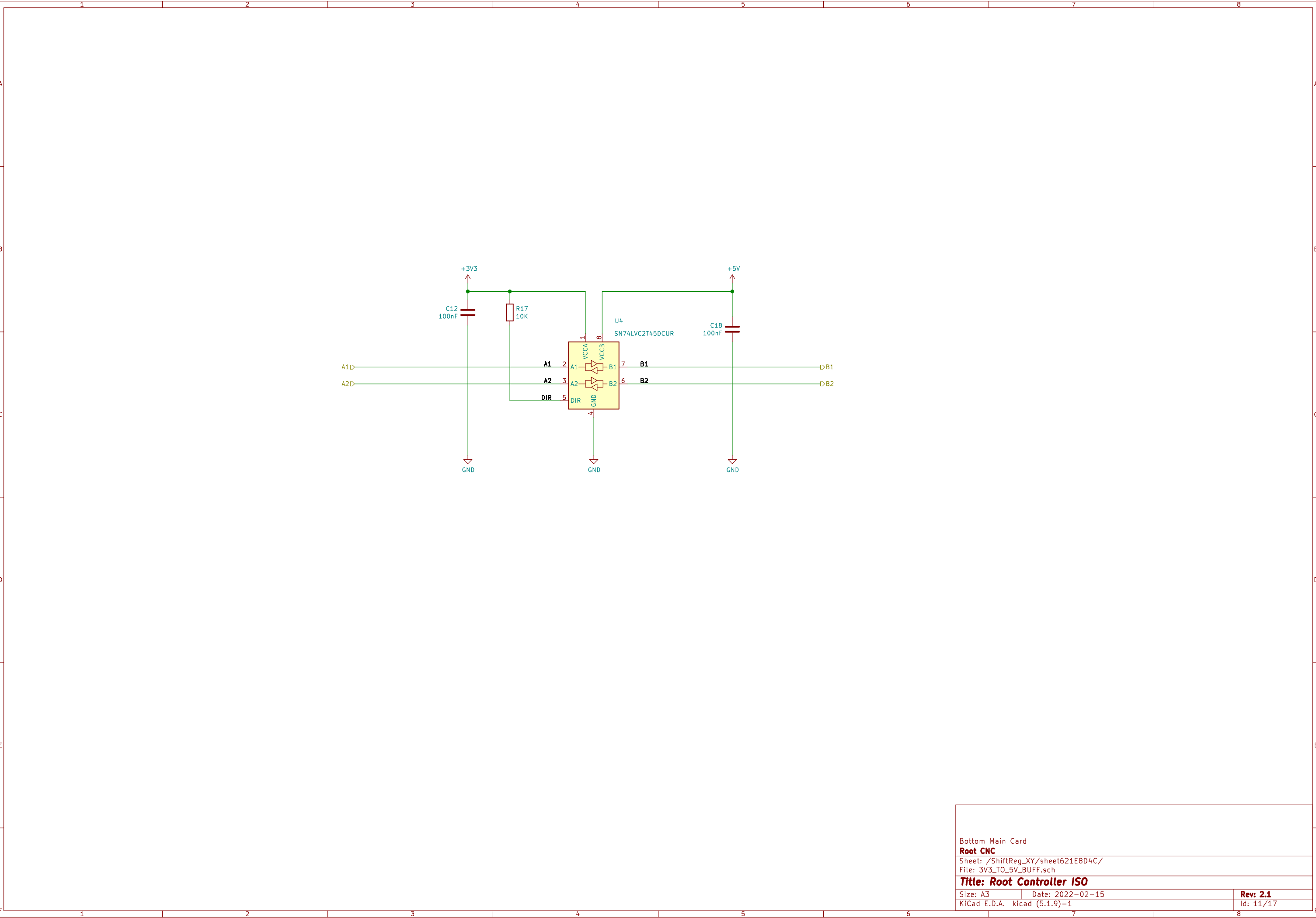




Bottom Main Card		
Root CNC		
Sheet: /ShiftReg_XY/3V3_TO_5V_BUFF_7/		
File: 3V3_TO_5V_BUFF.sch		
Title: Root Controller ISO		
Size: A3	Date: 2022-02-15	Rev: 2.1
KiCad E.D.A. kicad (5.1.9)-1	Id: 9/17	



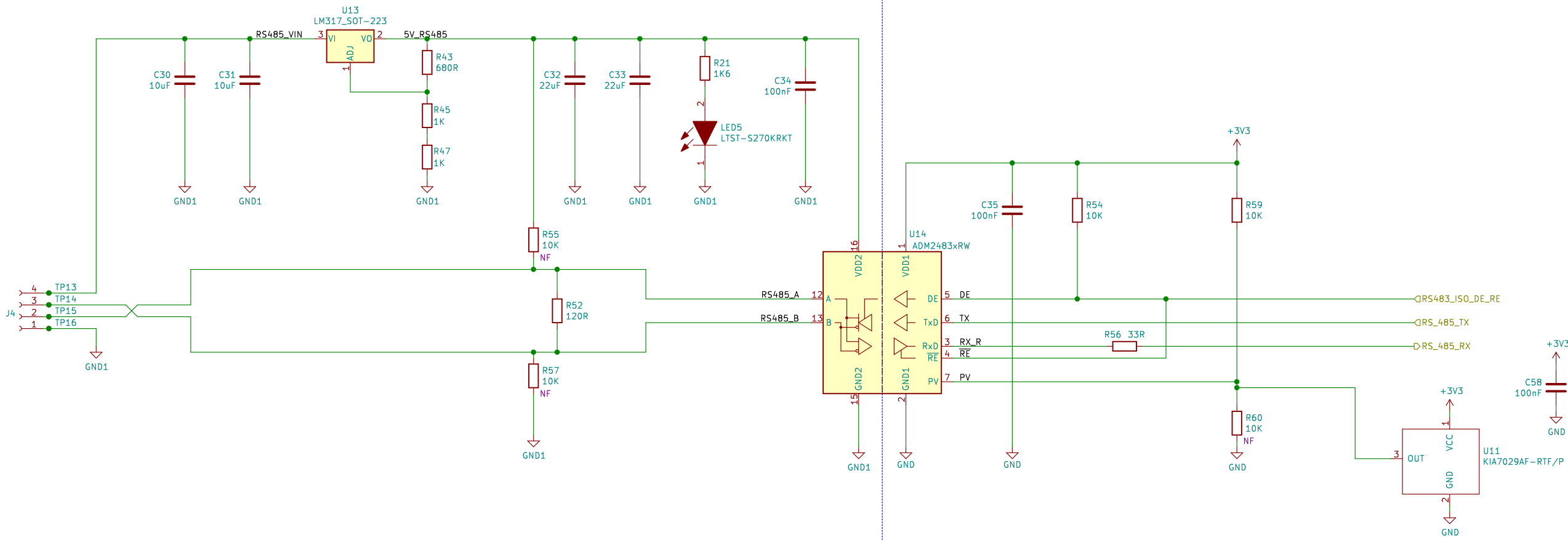
Bottom Main Card		
Root CNC		
Sheet: /ShiftReg_XY/3V3_TO_5V_BUFF_8/ File: 3V3_TO_5V_BUFF.sch		
Title: Root Controller ISO		
Size: A3	Date: 2022-02-15	Rev: 2.1
KiCad E.D.A. kicad (5.1.9)-1		Id: 10/17

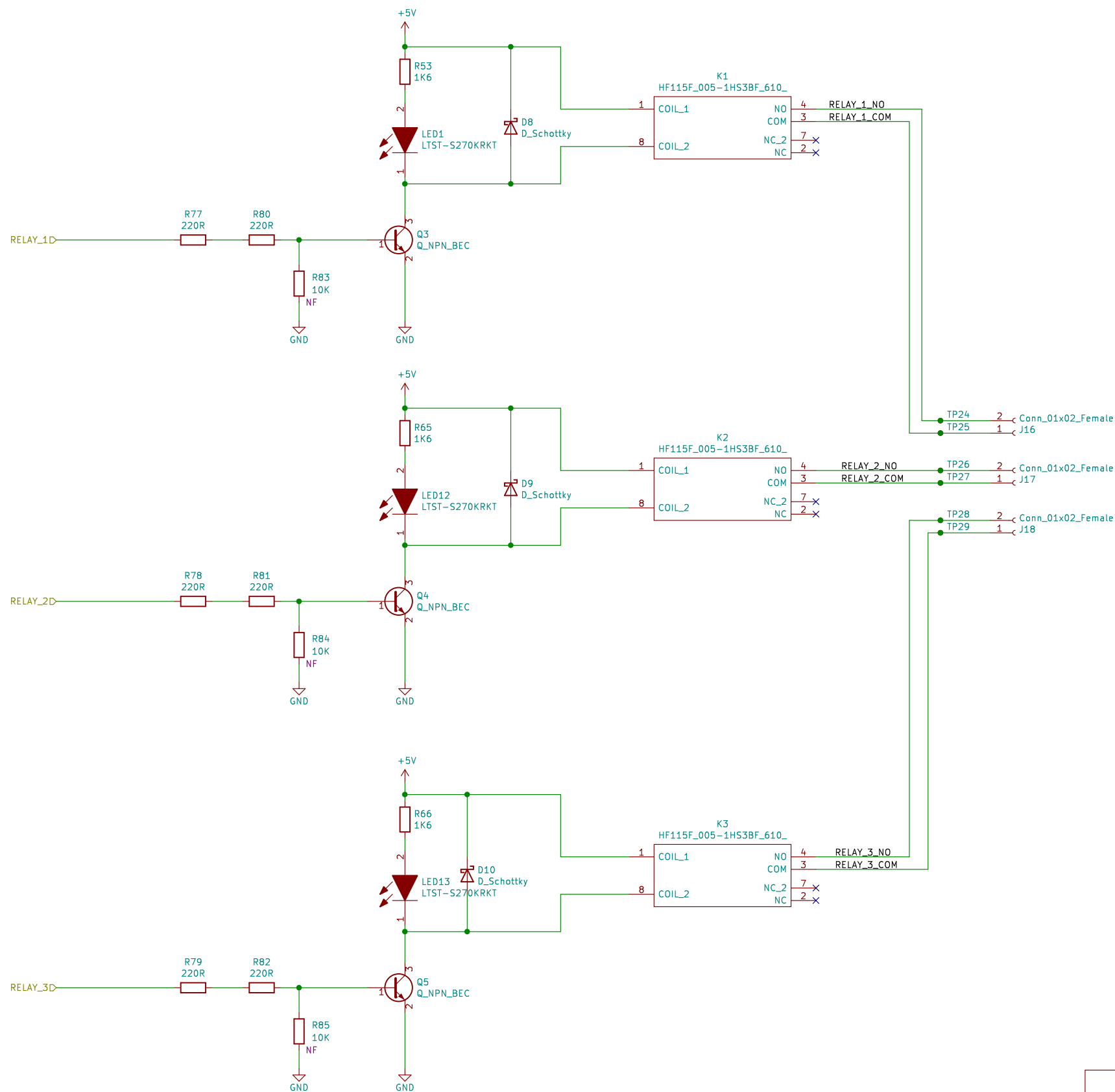


Bottom Main Card		
Root CNC		
Sheet: /ShiftReg_XY/sheet621E8D4C/		
File: 3V3_TO_5V_BUFF.sch		
Title: Root Controller ISO		
Size: A3	Date: 2022-02-15	Rev: 2.1
KiCad E.D.A. kicad (5.1.9)-1		Id: 11/17

RS485 ISOLATED AREA

ESP32 REFERENCE





Bottom Main Card

Root CNC

Sheet: /OutputCircuitry/

File: OutputCircuitry.sch

Title: Root Controller ISO

Size: A3

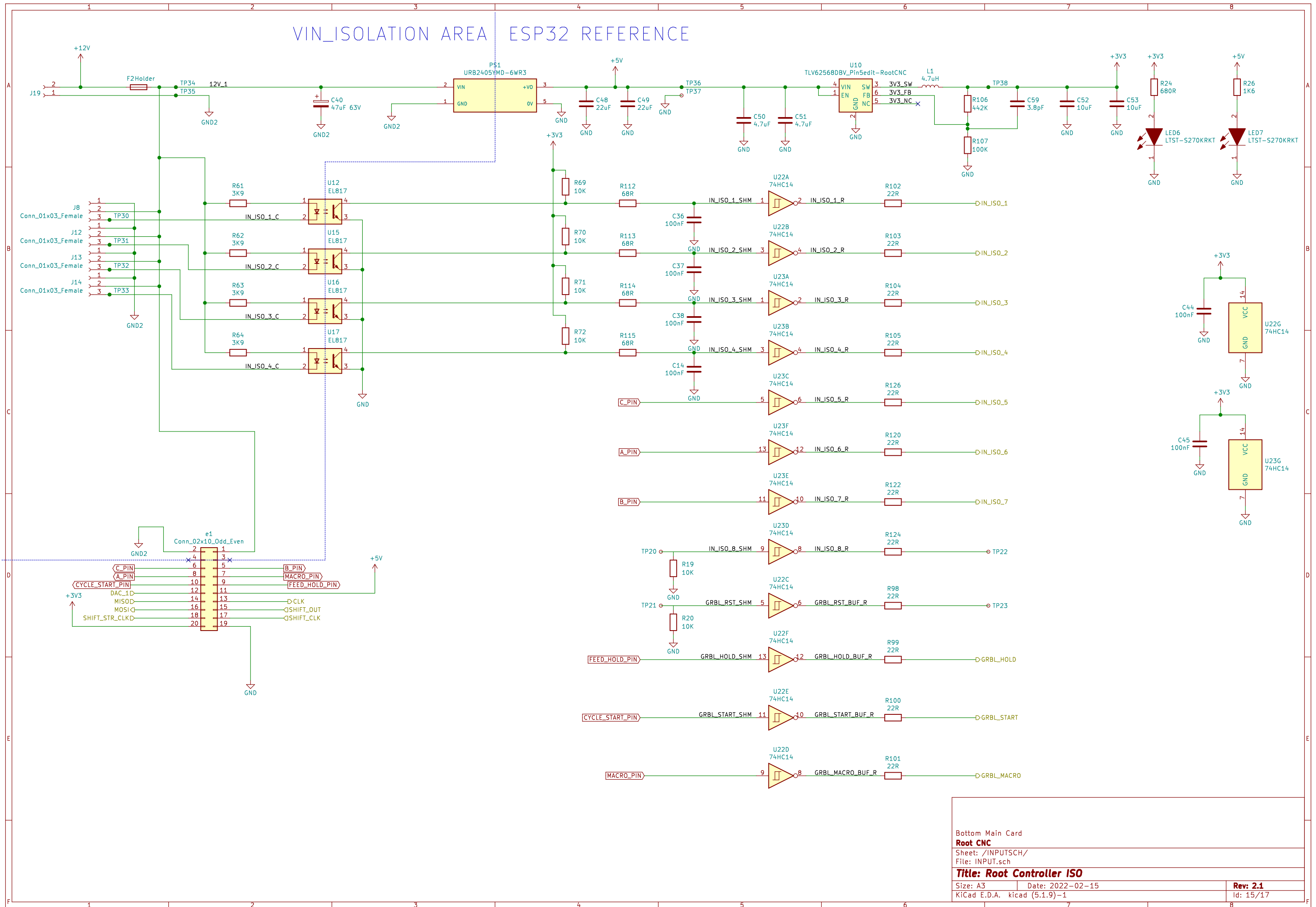
Date: 2022-02-15

Rev: 2.1

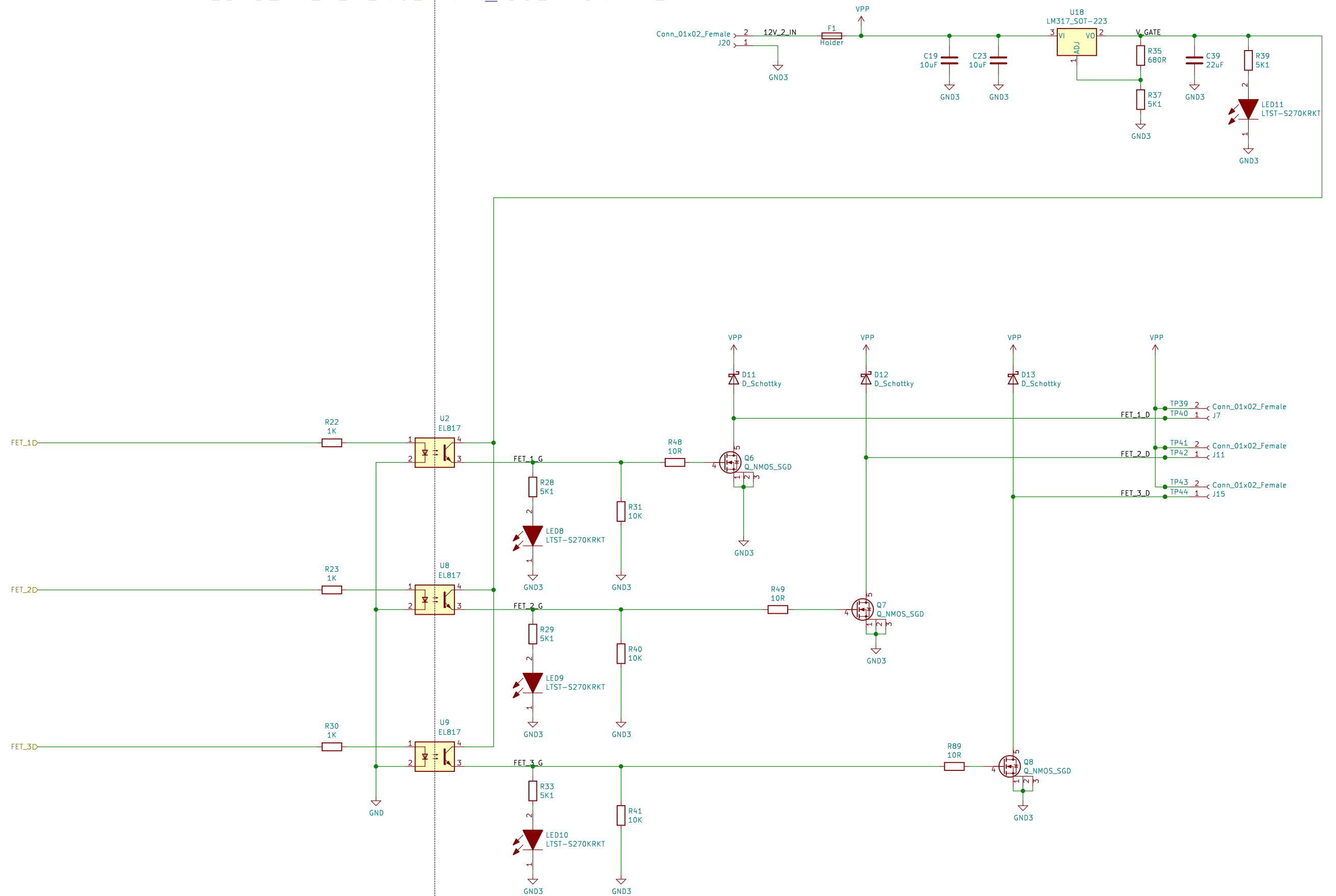
KiCad E.D.A. kicad (5.1.9)-1

Id: 14/17

VIN_ISOLATION AREA ESP32 REFERENCE



ESP32	REFERENCE	VIN_ISOLATION	AREA
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Bottom Main Card

Root CNC

Sheet: /OUTPUT_FET/

File: OUTPUT_FET.sch

Title: Root Controller ISO

Size: A3

Date: 2022-02-15

Rev: 2.1

Size: A3	Date: 2022-
KiCad E.D.A. kicad (5.1.9)-1	

KIC80 L.D.A. KIC80 (S.I.9)-1	

