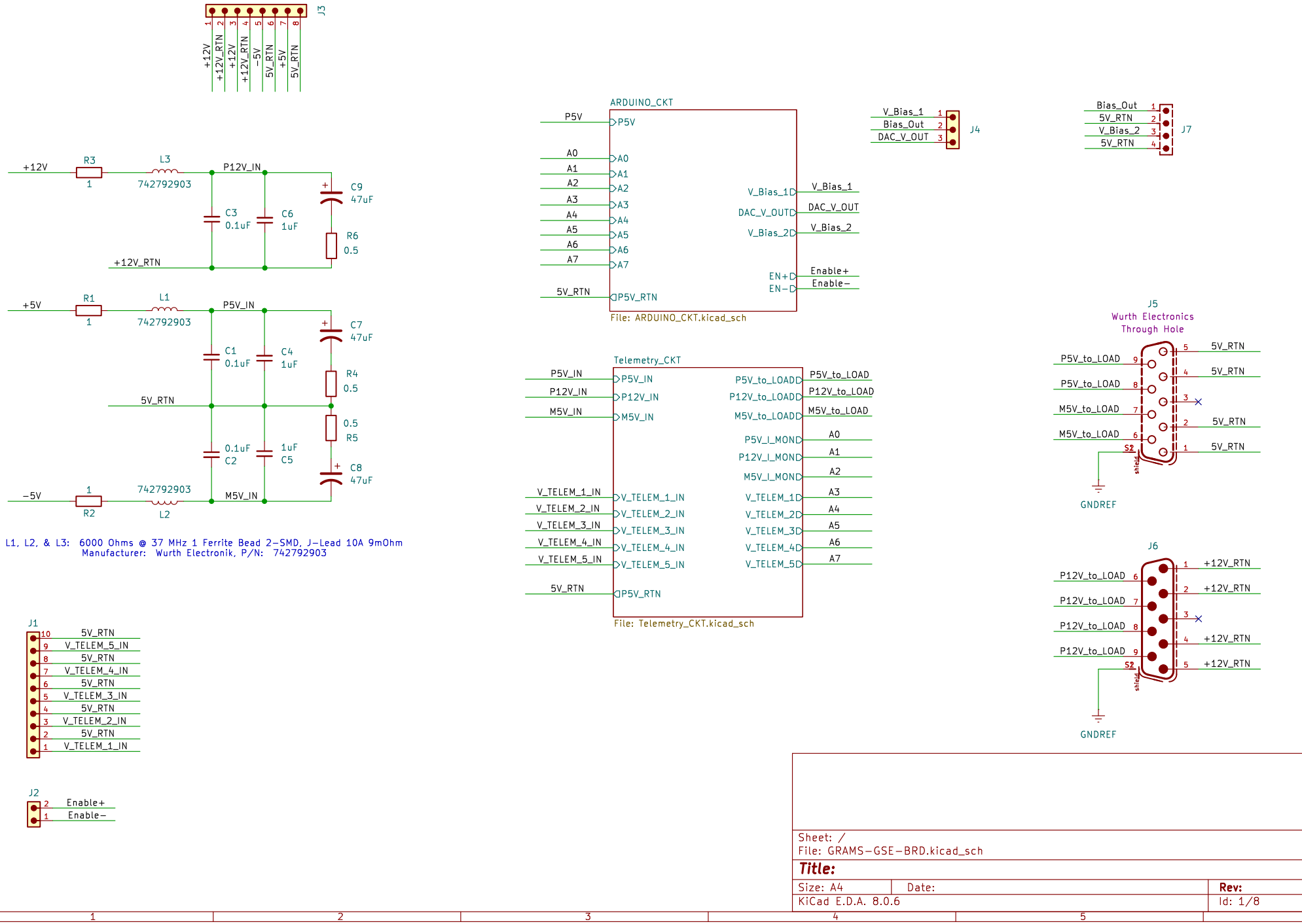
J3
+12V
+12V_RTN
+12V
+12V_RTN
−5V
5V_RTN
+5V
5V_RTN
+12V
R3
1
L3
742792903
P12V_IN
C9
47uF
C3
0.1uF
C6
1uF
R6
0.5
+12V_RTN
+5V
R1
1
L1
742792903
P5V_IN
C7
47uF
C1
0.1uF
C4
1uF
R4
0.5
5V_RTN
0.5
R5
0.1uF
C2
1uF
C5
C8
47uF
−5V
1
R2
742792903
L2
M5V_IN
L1, L2, & L3: 6000 Ohms @ 37 MHz 1 Ferrite Bead 2−SMD, J−Lead 10A 9mOhm
Manufacturer: Wurth Electronik, P/N: 742792903
J1
10 5V_RTN
9 V_TELEM_5_IN
8 5V_RTN
7 V_TELEM_4_IN
6 5V_RTN
5 V_TELEM_3_IN
4 5V_RTN
3 V_TELEM_2_IN
2 5V_RTN
1 V_TELEM_1_IN
J2
2 Enable+
1 Enable−
ARDUINO_CKT
P5V
A0
A1
A2
A3
A4
A5
A6
A7
5V_RTN
V_Bias_1
DAC_V_OUT
V_Bias_2
Enable+
Enable−
File: ARDUINO_CKT.kicad_sch
J4
V_Bias_1 1
Bias_Out 2
DAC_V_OUT 3
J7
Bias_Out 1
5V_RTN 2
V_Bias_2 3
5V_RTN 4
Telemetry_CKT
P5V_IN
P12V_IN
M5V_IN
P5V_to_LOAD
P12V_to_LOAD
M5V_to_LOAD
P5V_I_MON
P12V_I_MON
M5V_I_MON
A0
A1
A2
V_TELEM_1_IN
V_TELEM_2_IN
V_TELEM_3_IN
V_TELEM_4_IN
V_TELEM_5_IN
A3
A4
A5
A6
A7
5V_RTN
File: Telemetry_CKT.kicad_sch
J5
Wurth Electronics
Through Hole
P5V_to_LOAD 9
P5V_to_LOAD 8
M5V_to_LOAD 7
M5V_to_LOAD 6
S2
5 5V_RTN
4 5V_RTN
3
2 5V_RTN
1 5V_RTN
shield
GNDREF
J6
P12V_to_LOAD 6
P12V_to_LOAD 7
P12V_to_LOAD 8
P12V_to_LOAD 9
S2
1 +12V_RTN
2 +12V_RTN
3
4 +12V_RTN
5 +12V_RTN
shield
GNDREF
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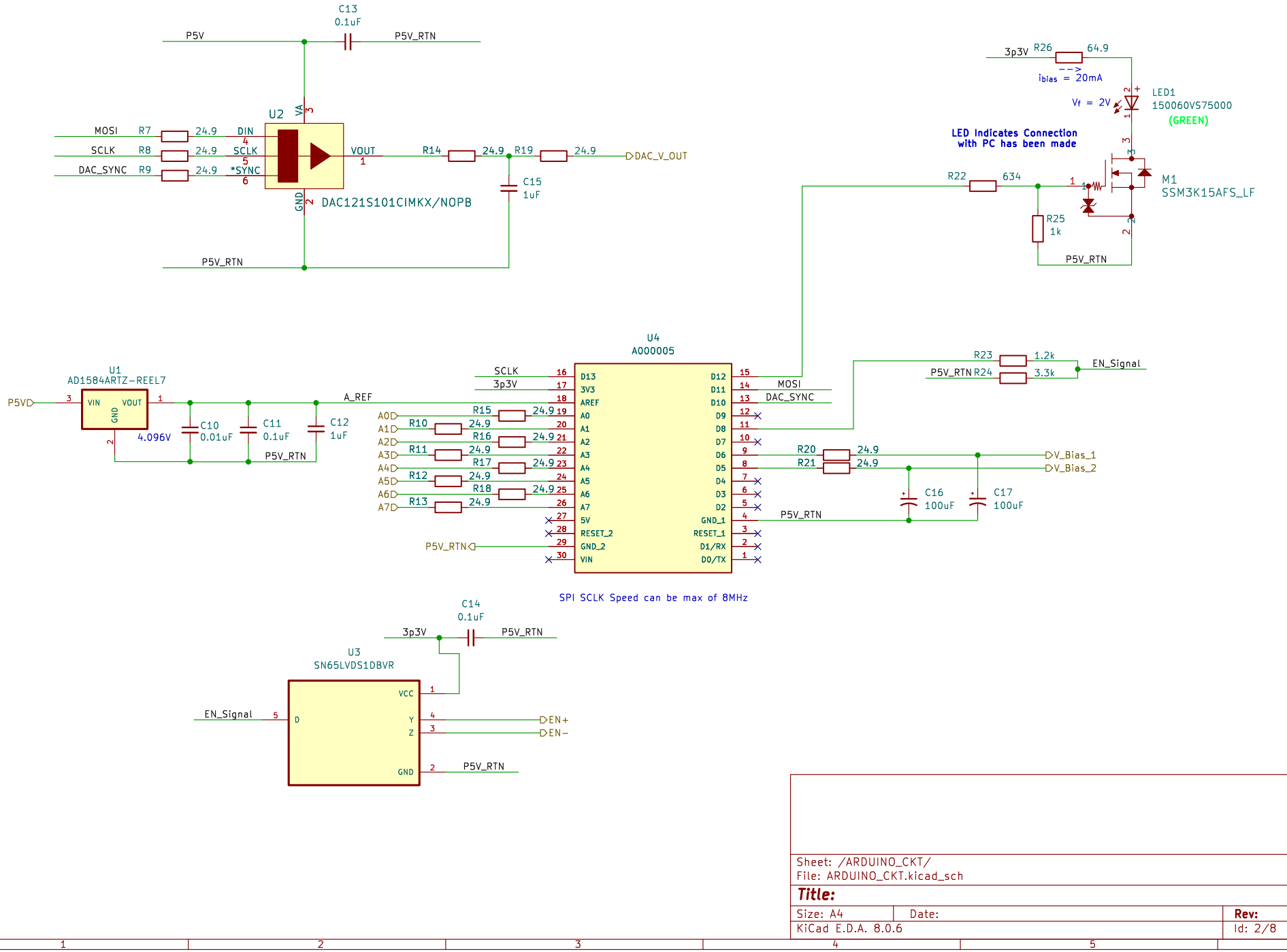
Rev:
KiCad E.D.A. 8.0.6
Id: 1/8



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Size: A4	Date:	**Rev:**
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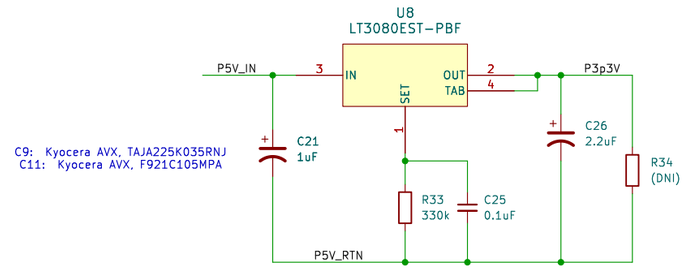
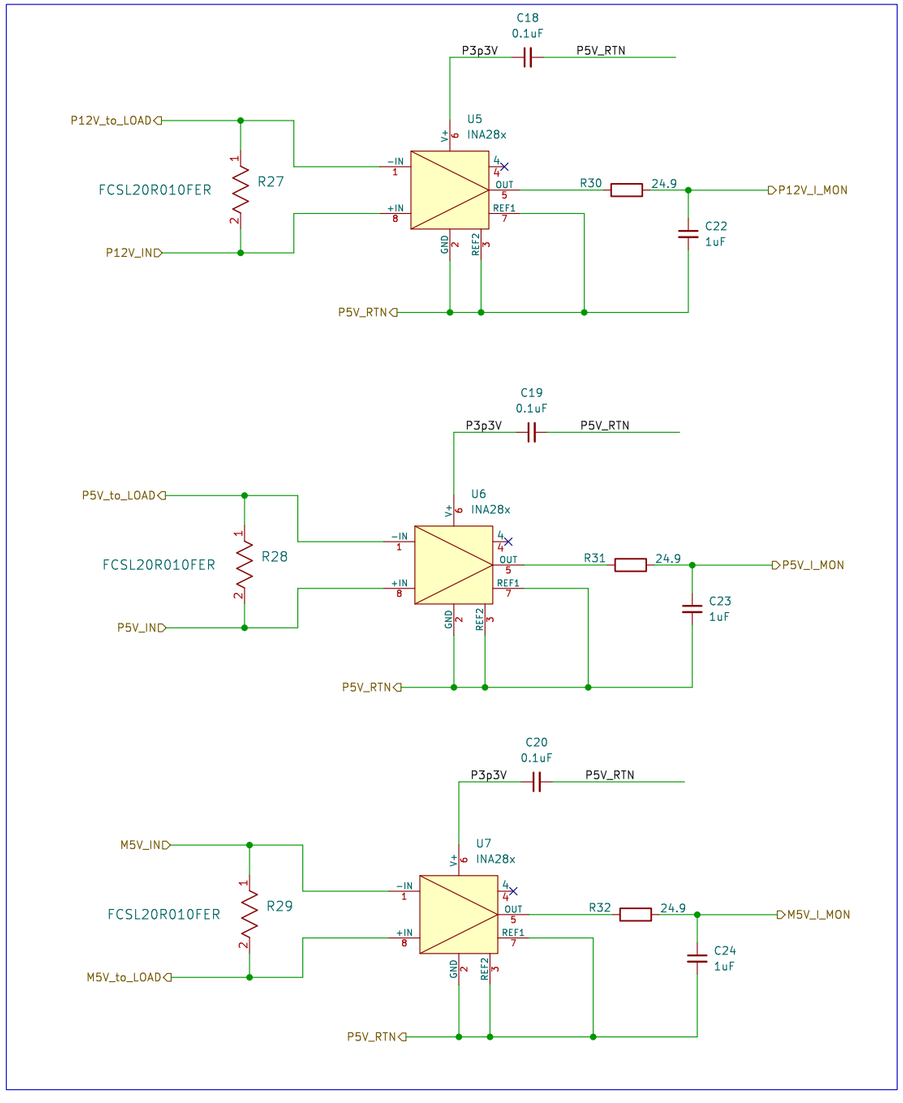
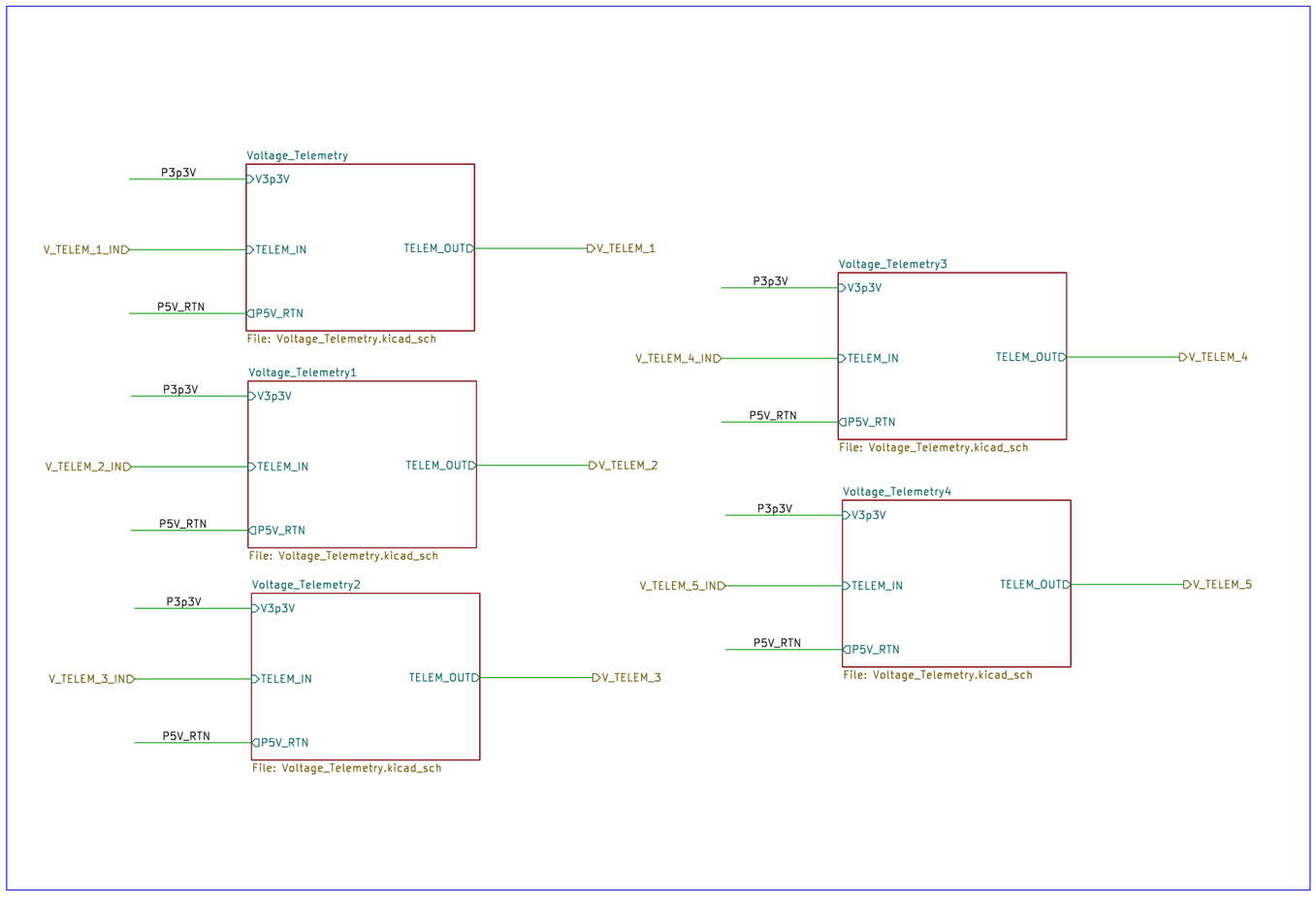


Rail Current Telemetry



Input Voltage Telemetry



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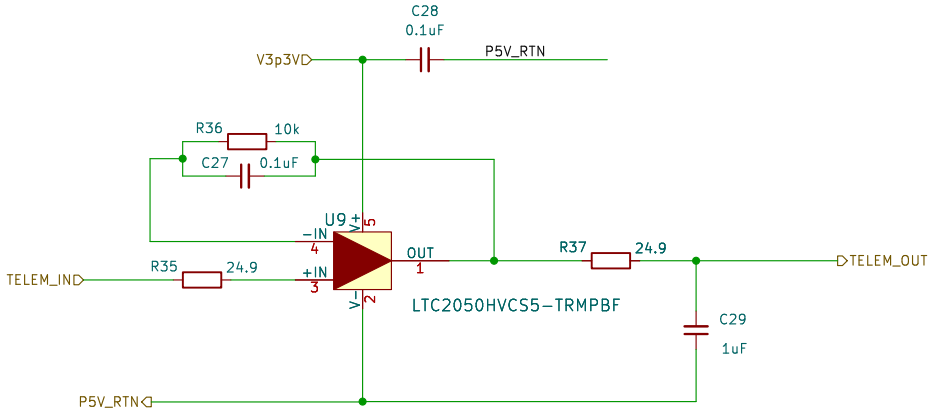
KiCad E.D.A. 8.0.6		Id: 3/8



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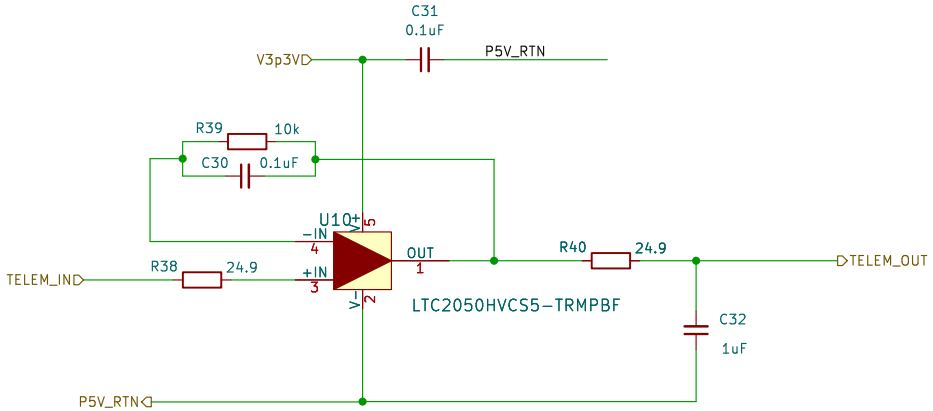
KiCad E.D.A. 8.0.6		Id: 4/8



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Size: A4	Date:	**Rev:**
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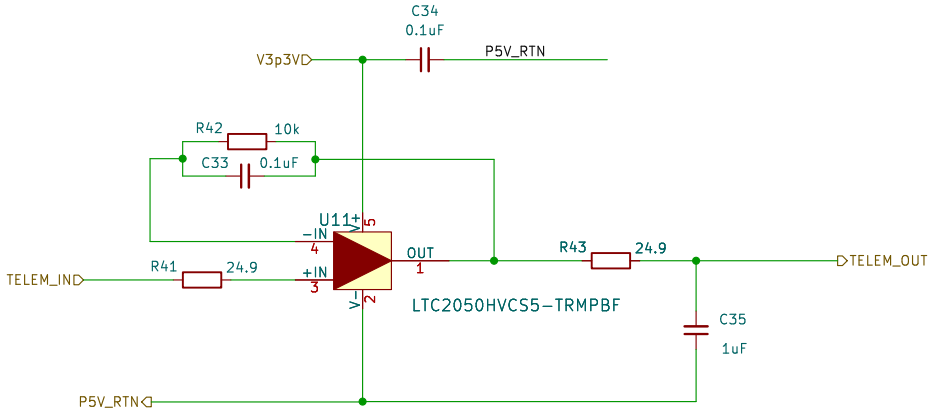

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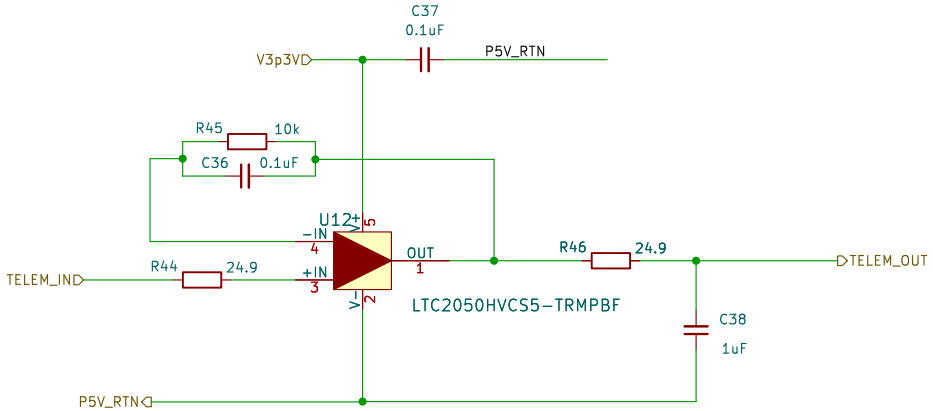
KiCad E.D.A. 8.0.6		Id: 6/8



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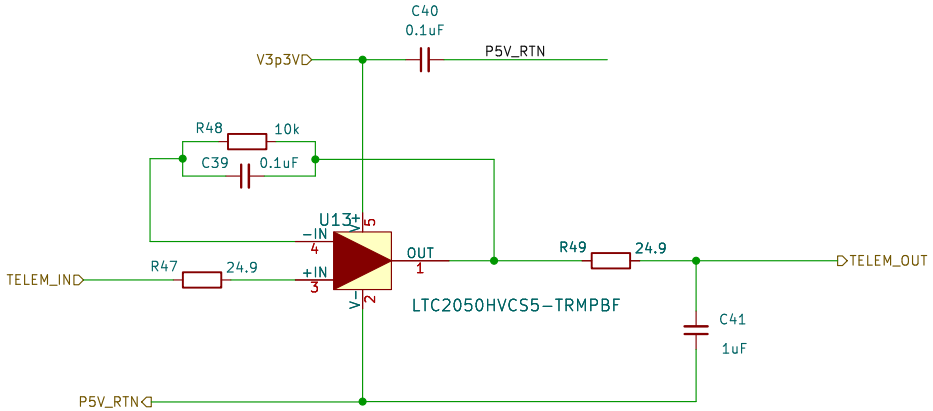
KiCad E.D.A. 8.0.6		Id: 7/8



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