USB

File: USB.kicad_sch

SFP

File: SFP.kicad_sch

Power

File: Power.kicad_sch

Ethernet

File: Ethernet.kicad_sch

Clock-WR

File: untitled.kicad_sch

FPGA

File: FPGA.kicad_sch

MGT

File: MGT.kicad_sch

FPGA_PWR

File: FPGA_PWR.kicad_sch

FPGA_MISC

File: FPGA_MISC.kicad_sch

DDR

File: DDR.kicad_sch

PMODs

File: PMODs.kicad_sch

Arduino

File: Arduino.kicad_sch

B1 B2 B3 B4

Sheet: /
File: Marble_Tiny.kicad_sch

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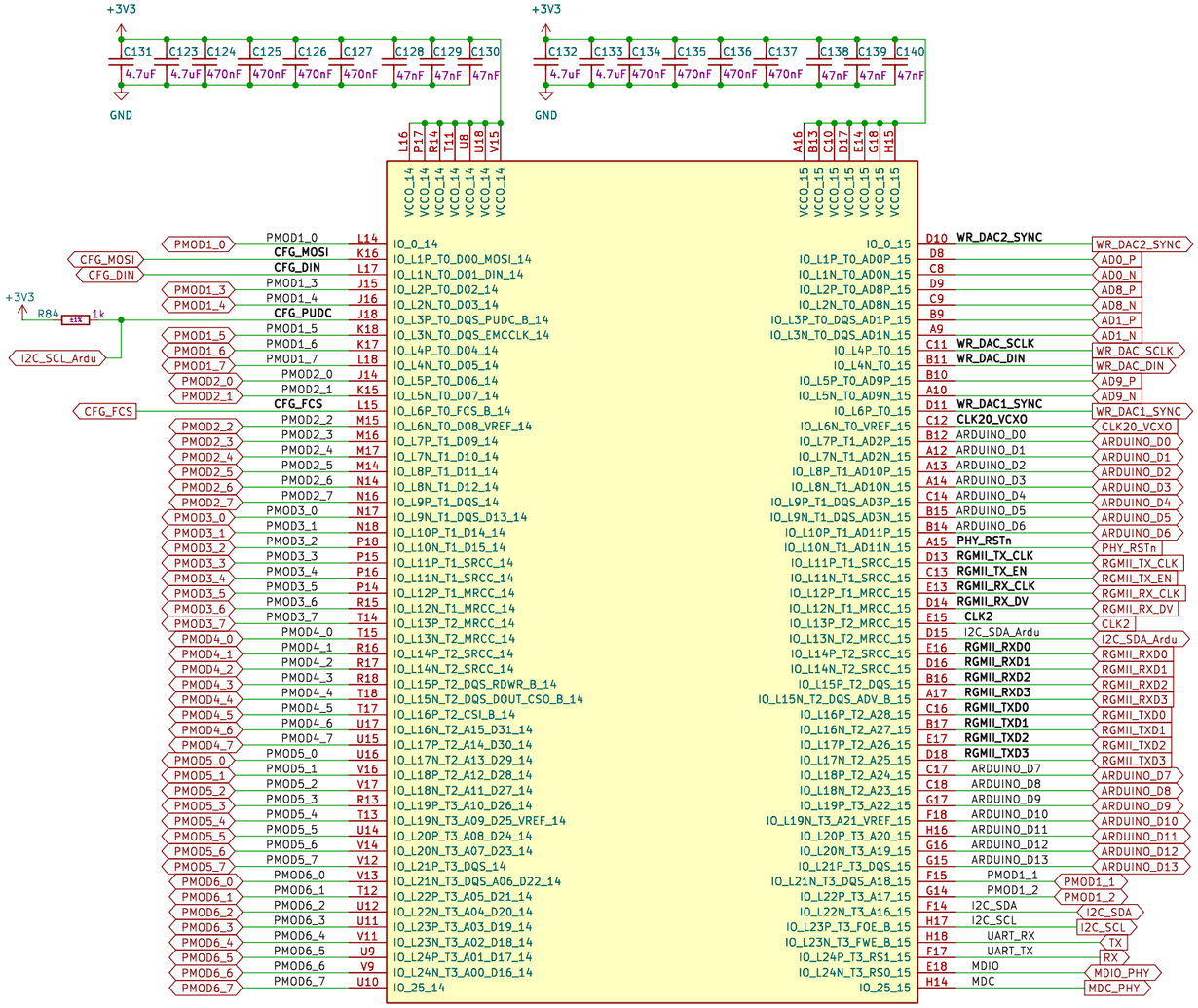
KiCad E.D.A. 9.0.0-rc2-392-ga429afe4e9		Id: 1/13



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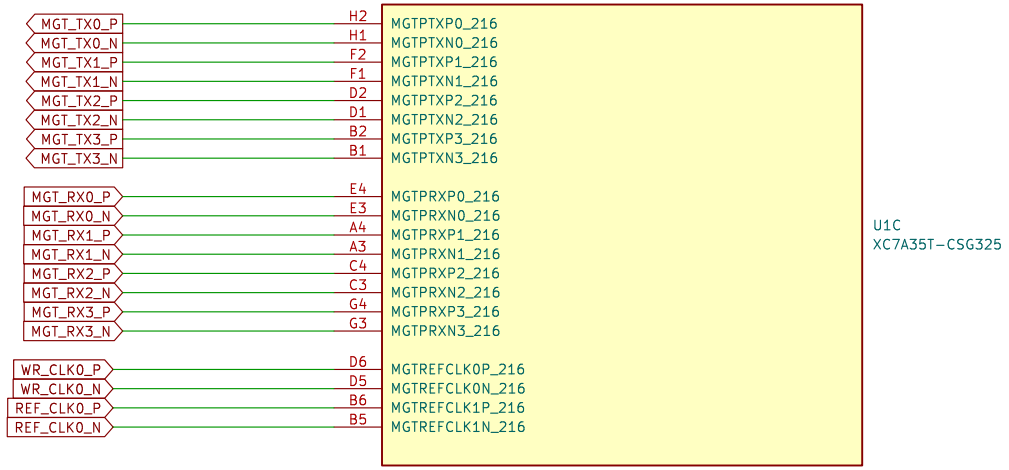

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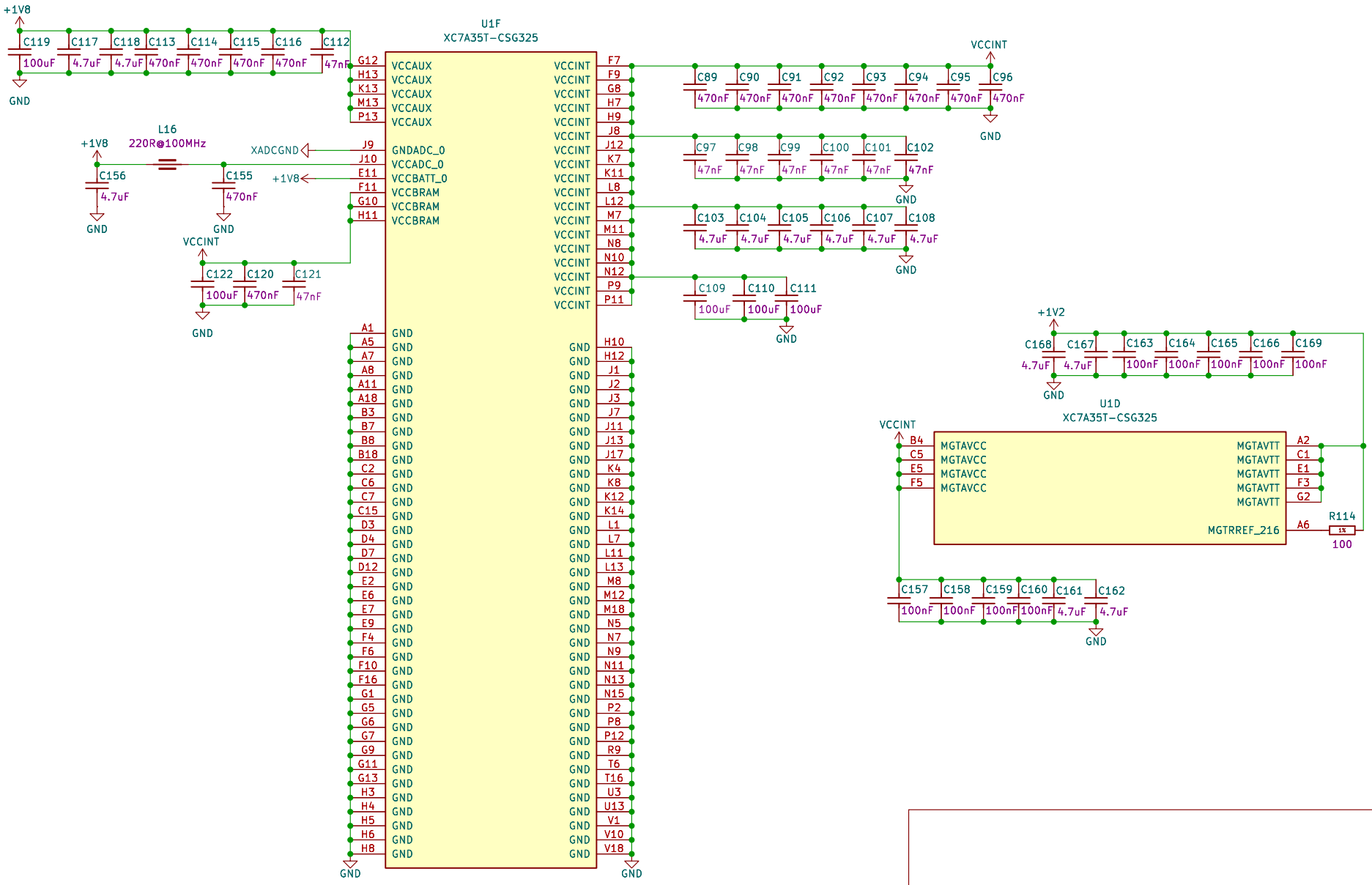

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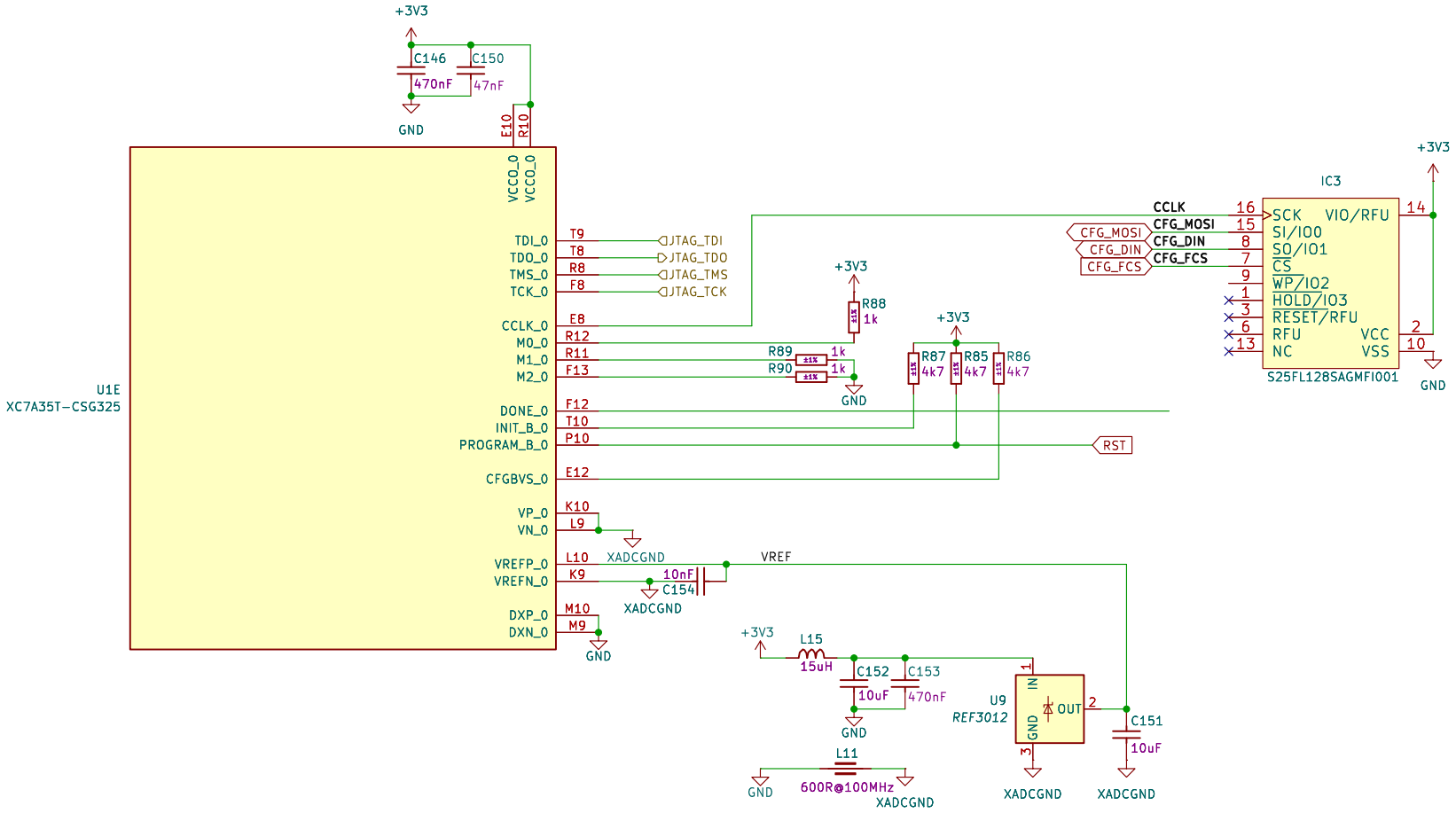

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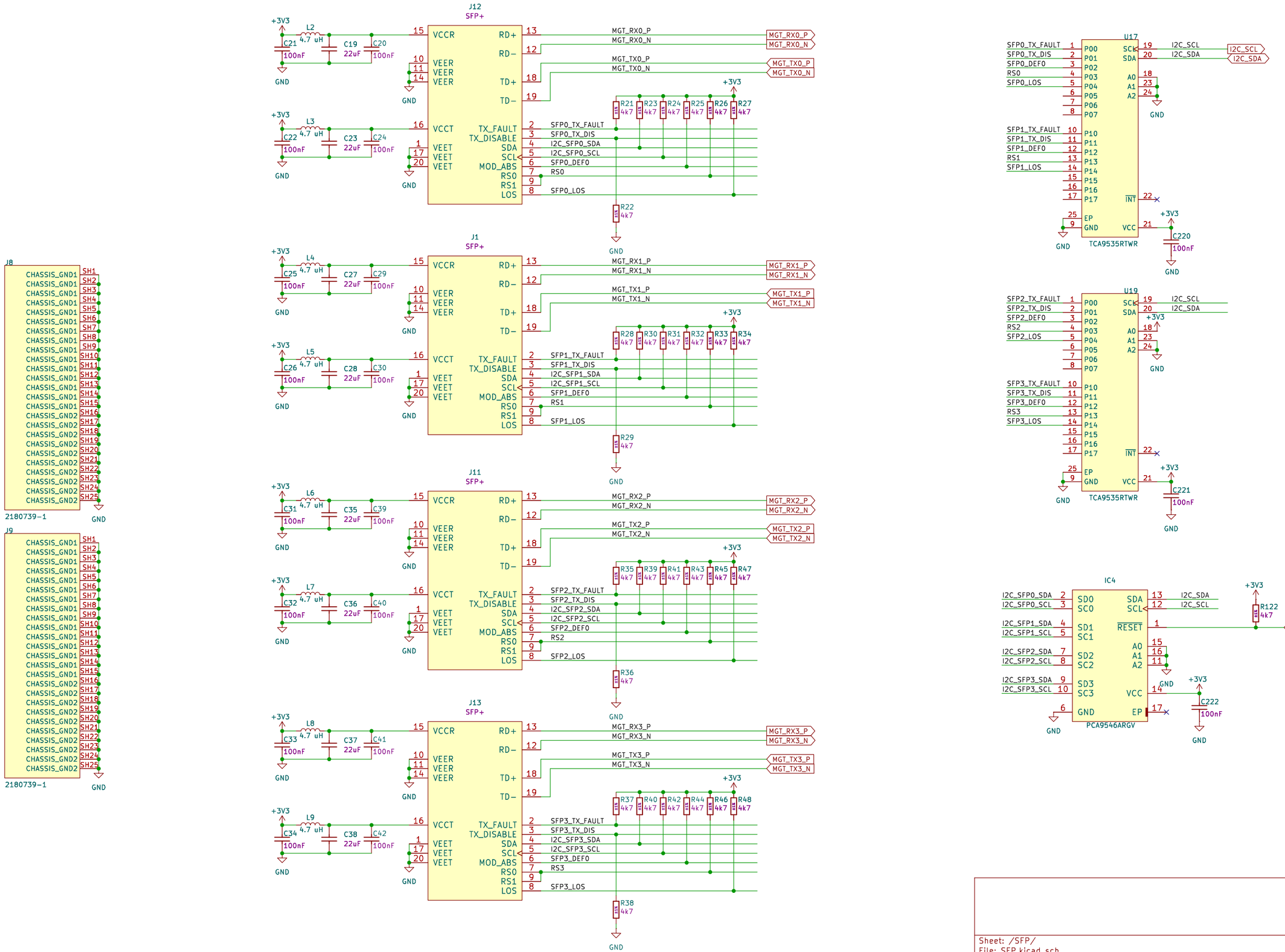

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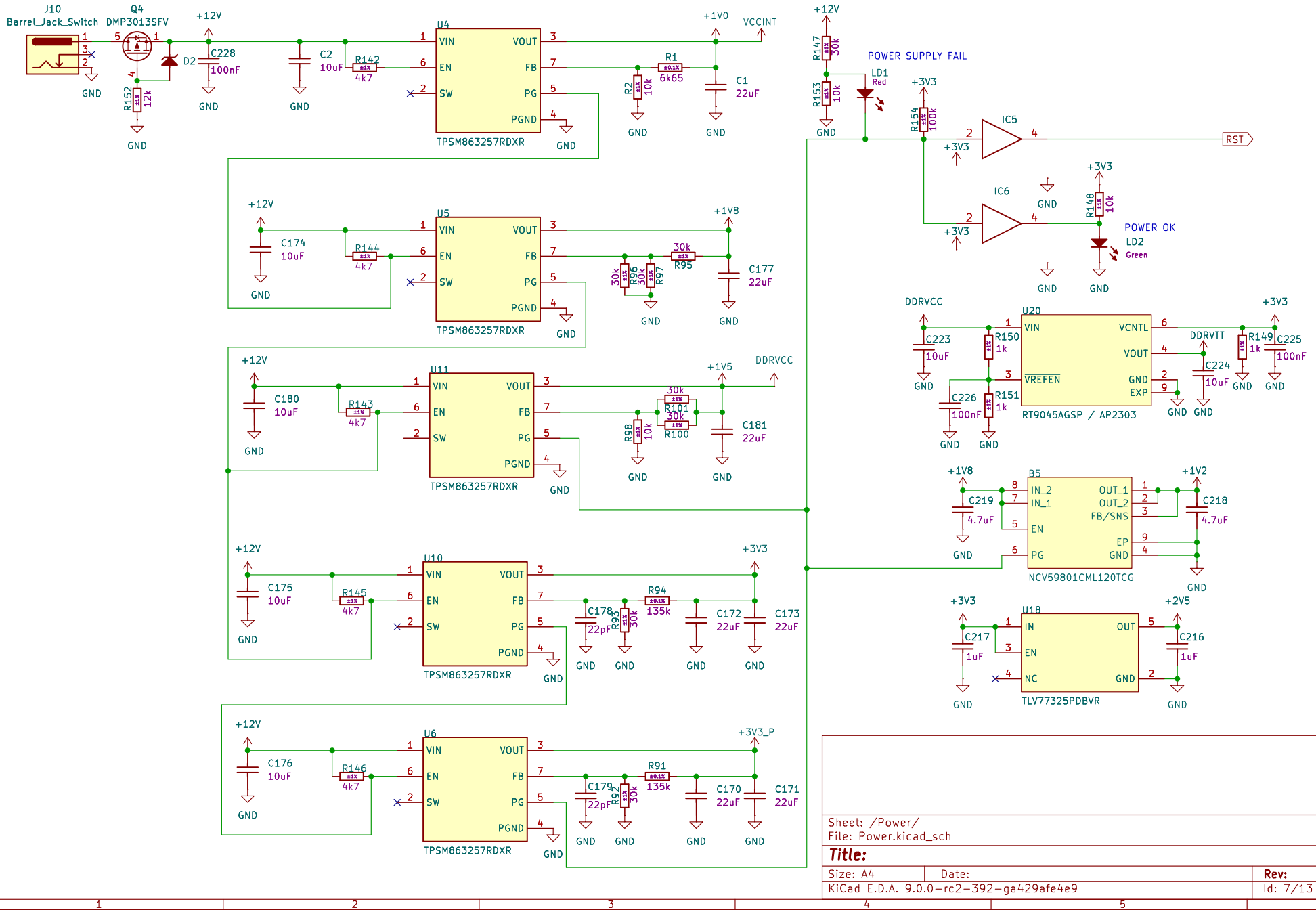
J10
Barrel_Jack_Switch
Q4
DMP3013SFV
D2
C228
100nF
R152
12k
+12V
GND
C2
10uF
R142
4k7
U4
VIN
EN
SW
VOUT
FB
PG
PGND
TPSM863257RDXR
R1
6k65
R2
10k
C1
22uF
+1V0
VCCINT
C174
10uF
R144
4k7
U5
30k
R96
R97
R95
C177
22uF
+1V8
C180
10uF
R143
4k7
U11
R101
R100
R98
C181
22uF
+1V5
DDRVCC
C175
10uF
R145
4k7
U10
C178
22pF
R93
R94
135k
C172
22uF
C173
22uF
+3V3
C176
10uF
R146
4k7
U6
C179
22pF
R92
R91
135k
C170
22uF
C171
22uF
+3V3_P
R147
30k
R153
10k
LD1
Red
POWER SUPPLY FAIL
R154
100k
IC5
IC6
RST
R148
10k
POWER OK
LD2
Green
C223
10uF
R150
1k
U20
VIN
VCNTL
VOUT
VREFEN
GND
EXP
R151
1k
C226
100nF
C224
10uF
DDRVTT
R149
1k
C225
100nF
RT9045AGSP / AP2303
C219
4.7uF
B5
IN_2
IN_1
EN
PG
OUT_1
OUT_2
FB/SNS
EP
C218
4.7uF
NCV59801CML120TCG
C217
1uF
U18
IN
EN
NC
OUT
C216
1uF
TLV77325PDBVR
+2V5
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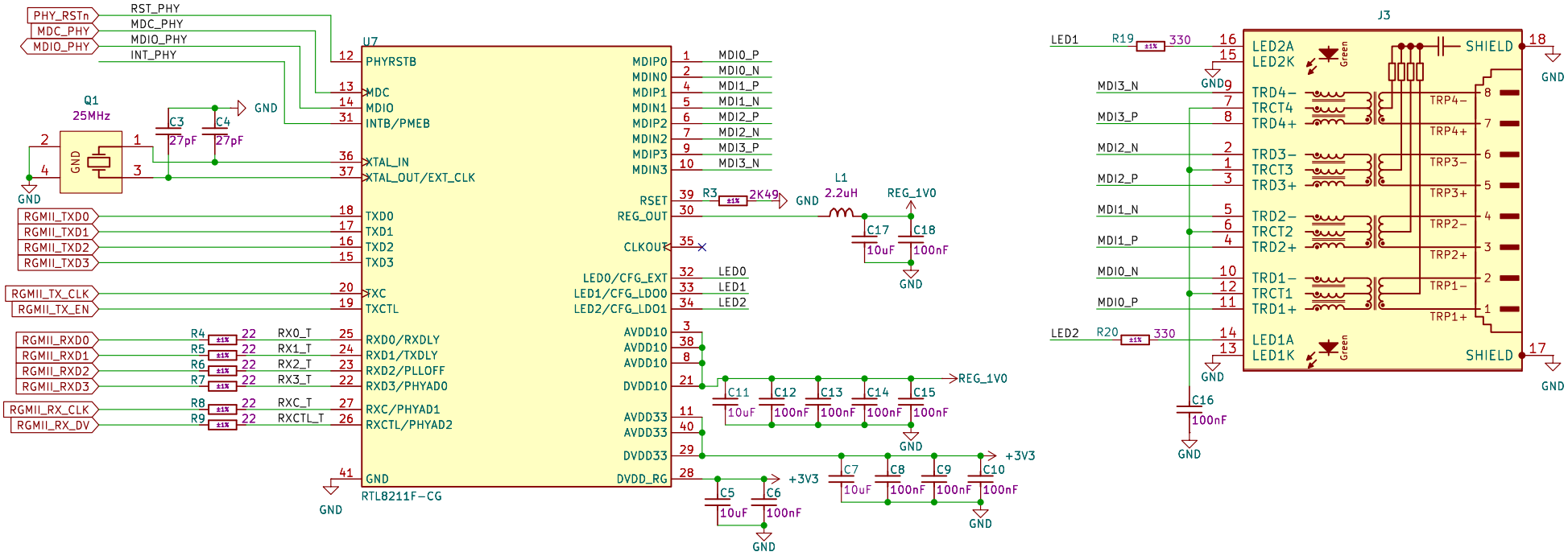
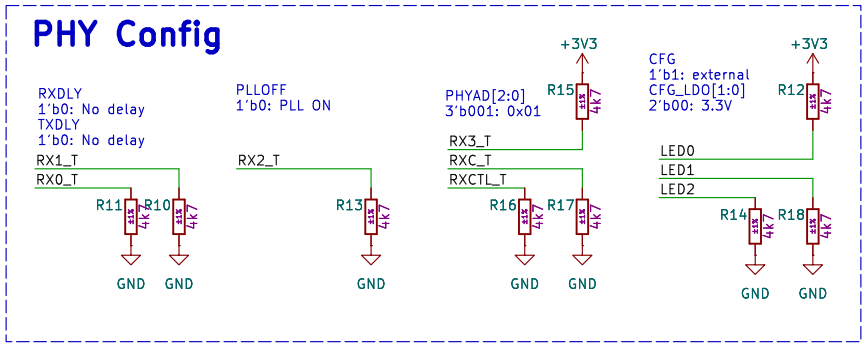
KiCad E.D.A. 9.0.0-rc2-392-ga429afe4e9
Id: 7/13





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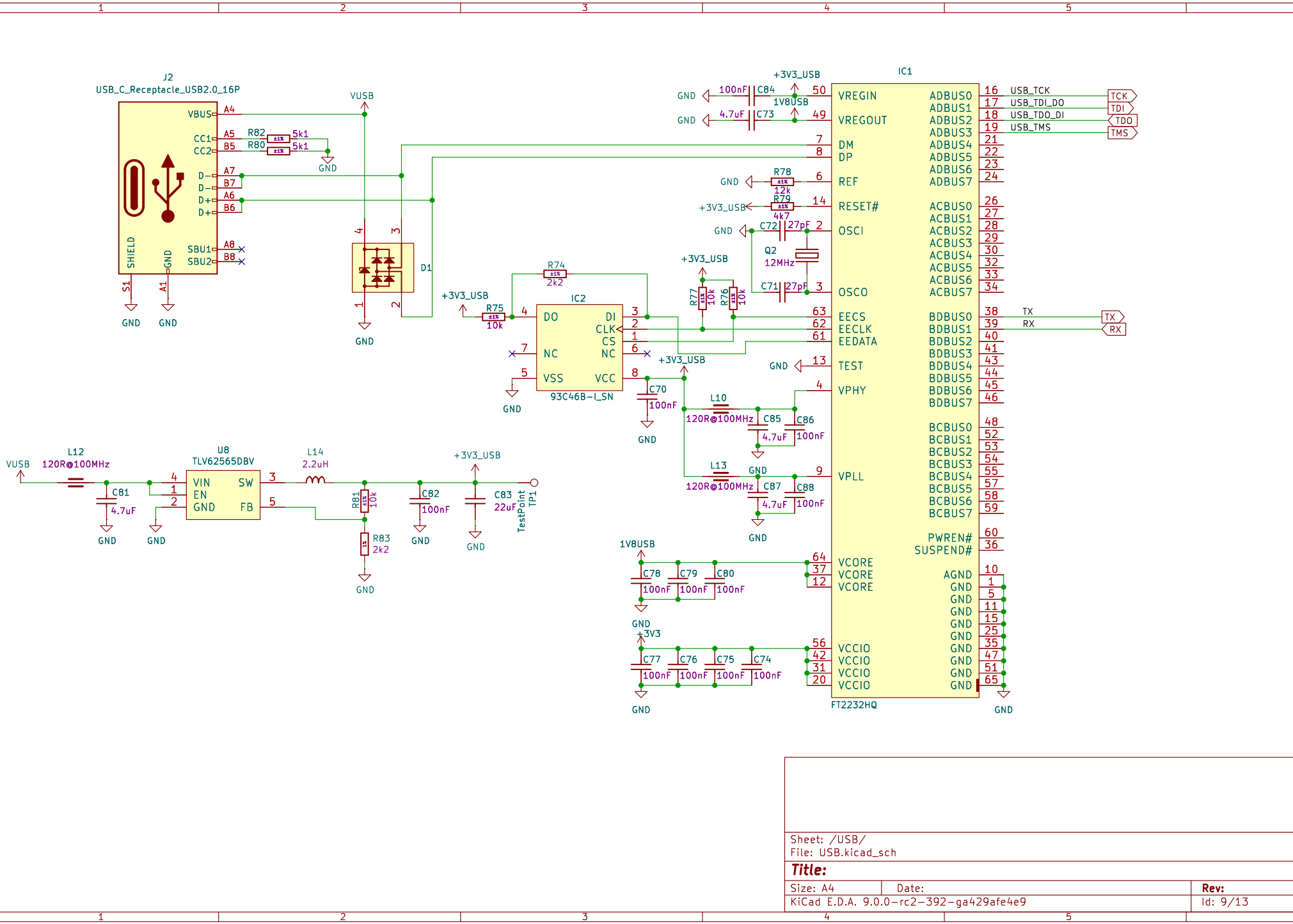

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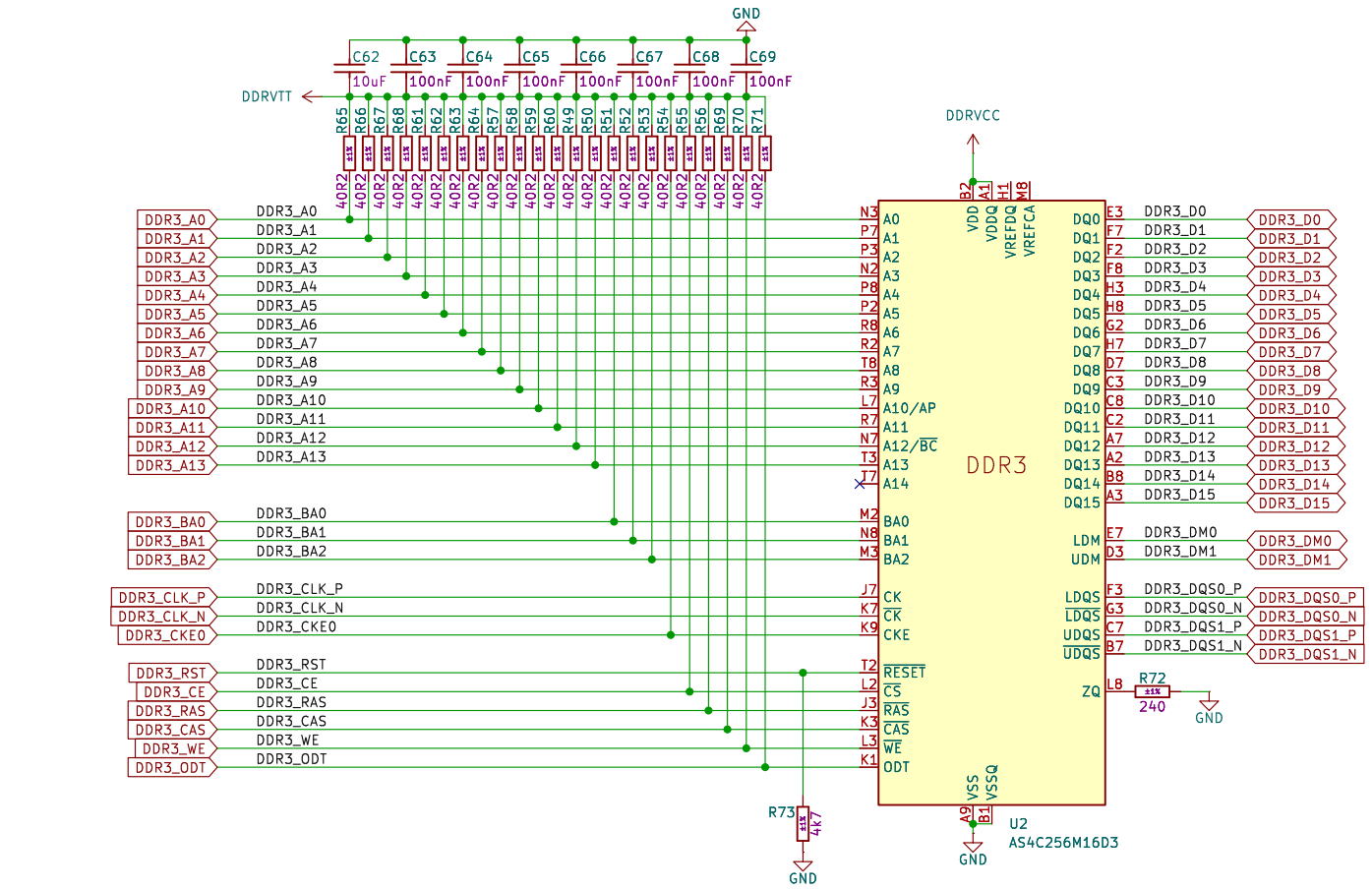

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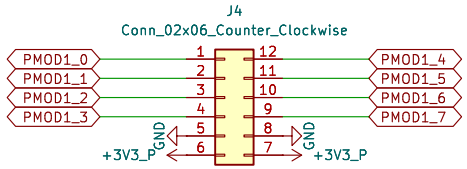

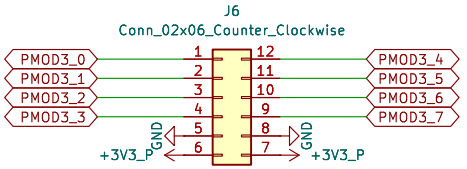

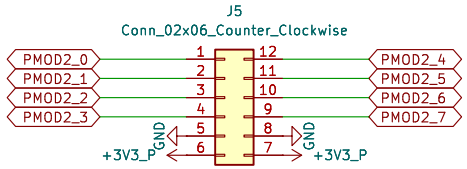

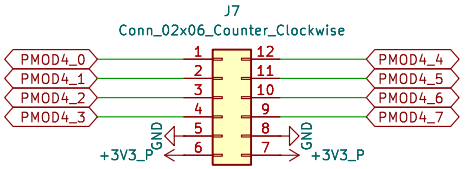

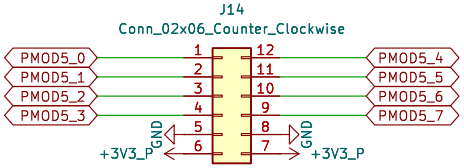

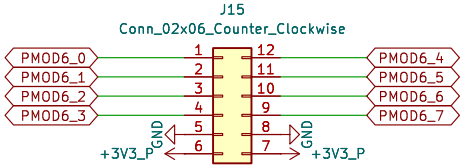

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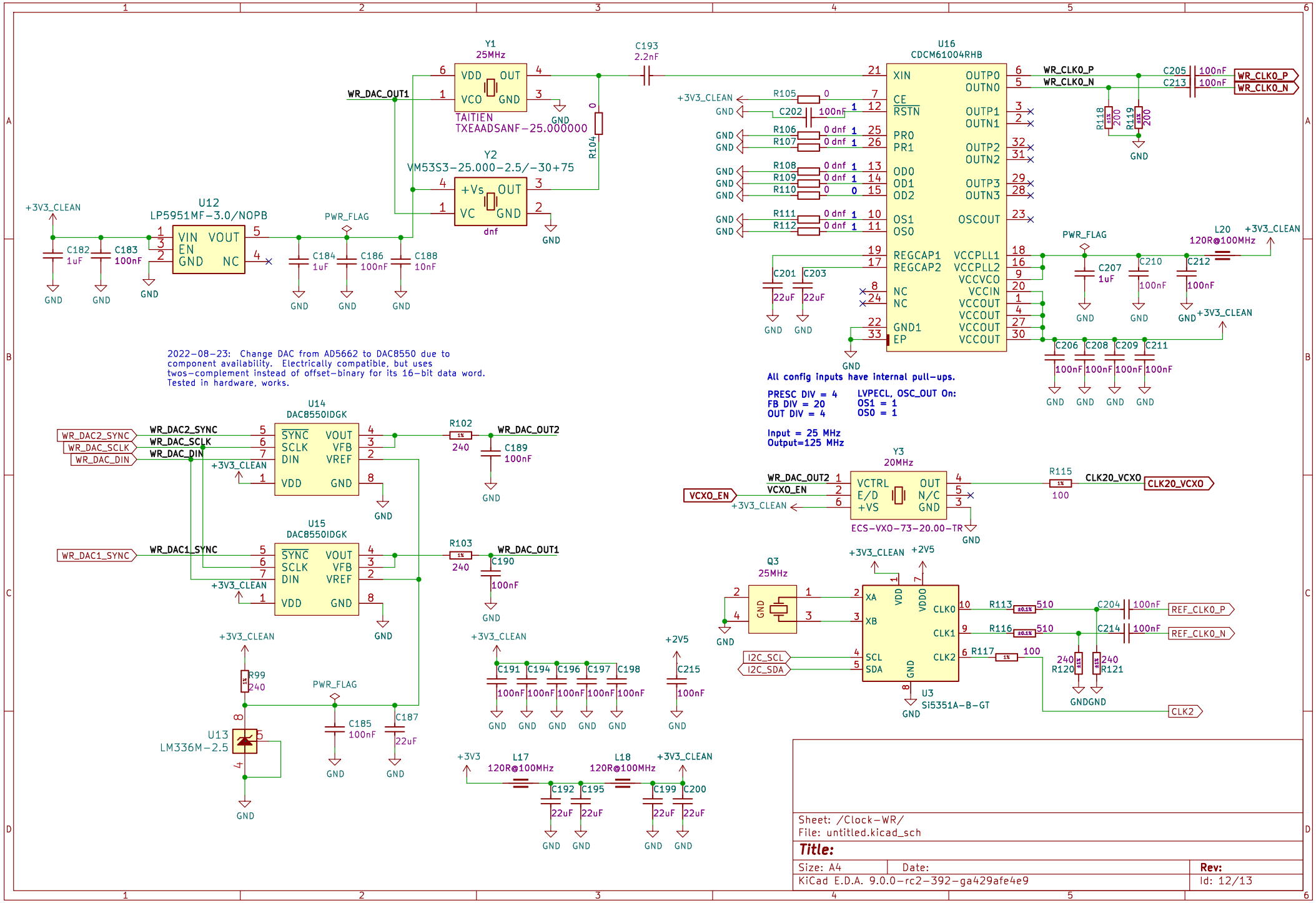

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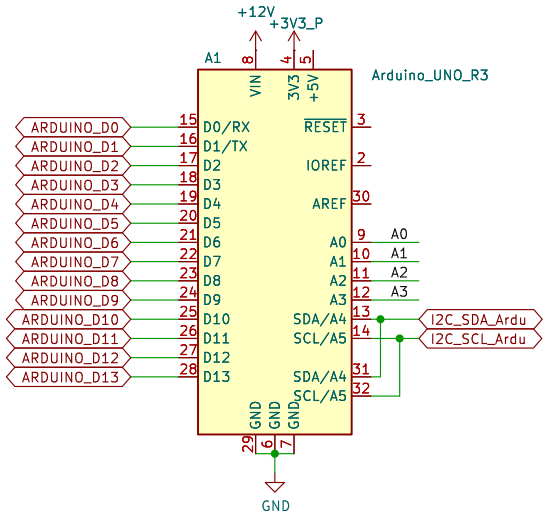

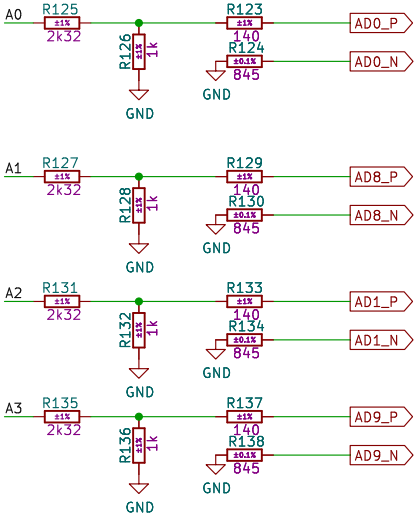

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