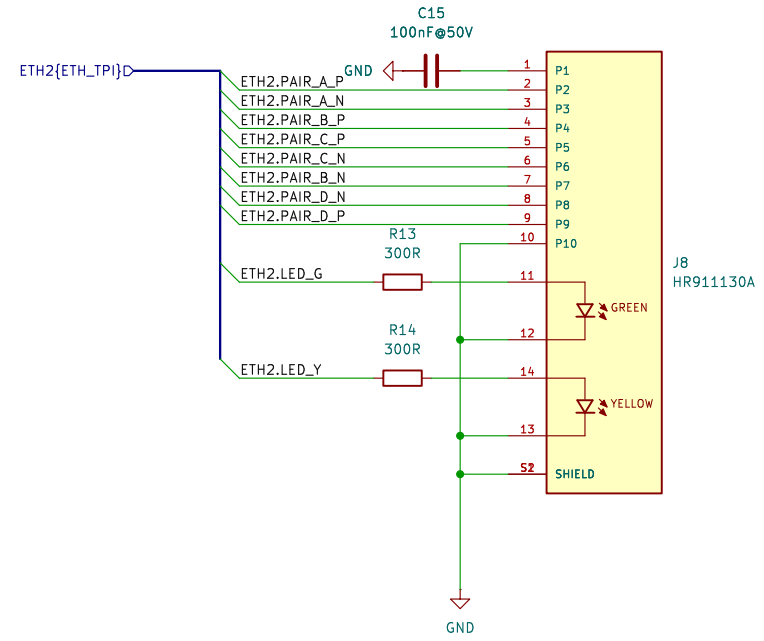
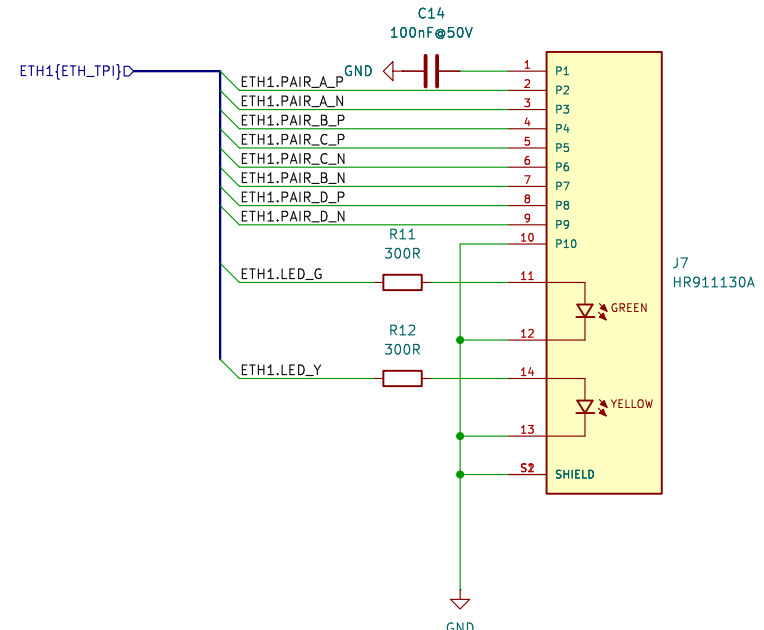
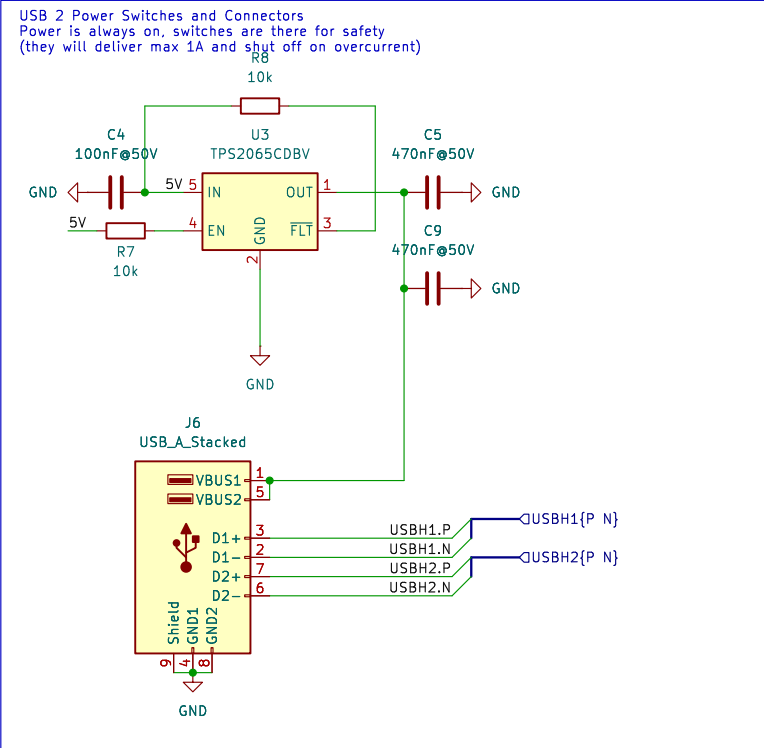
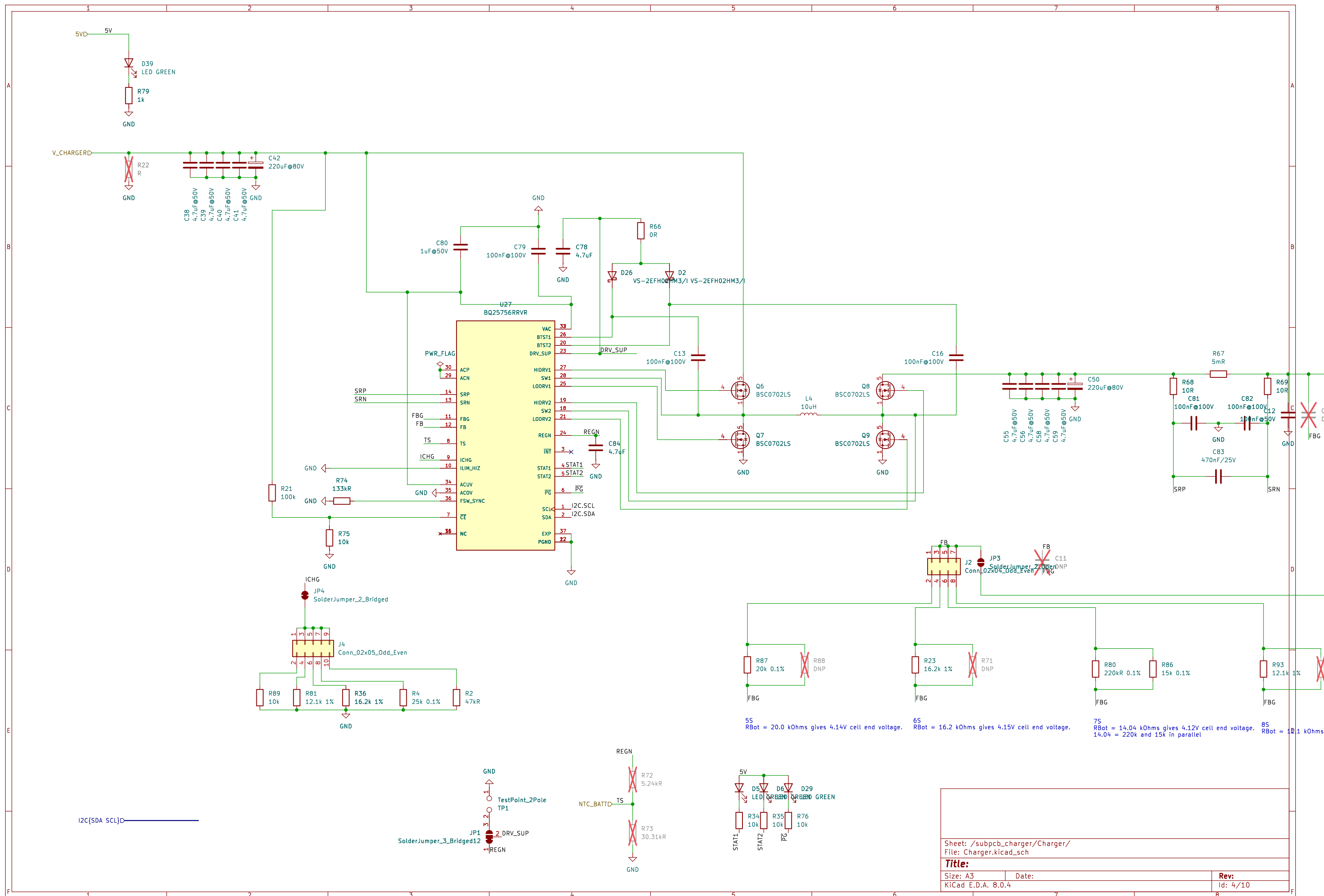
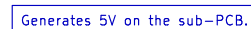


5V 5V

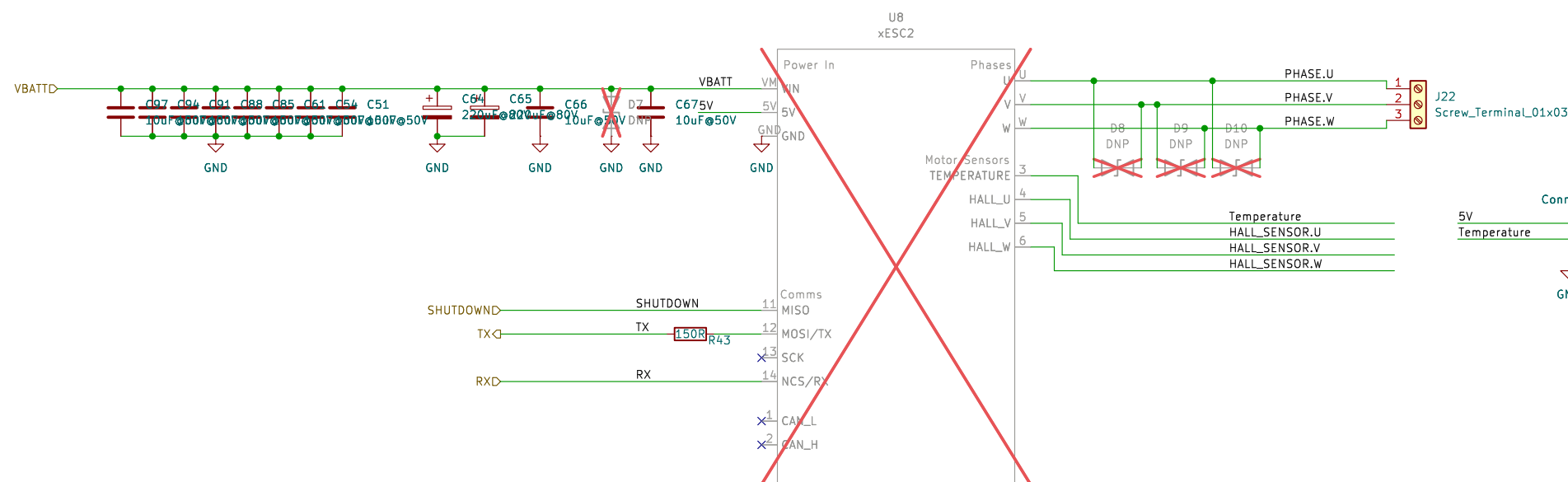
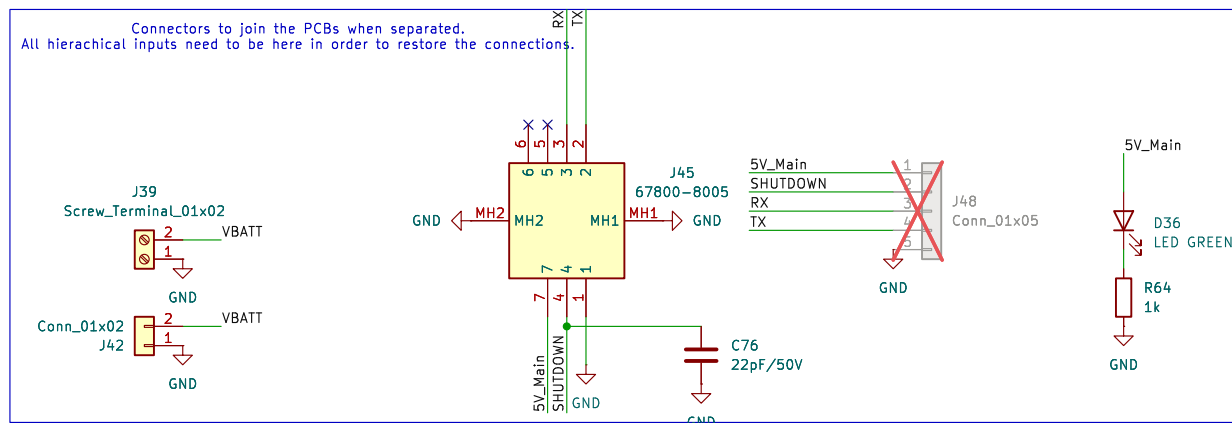
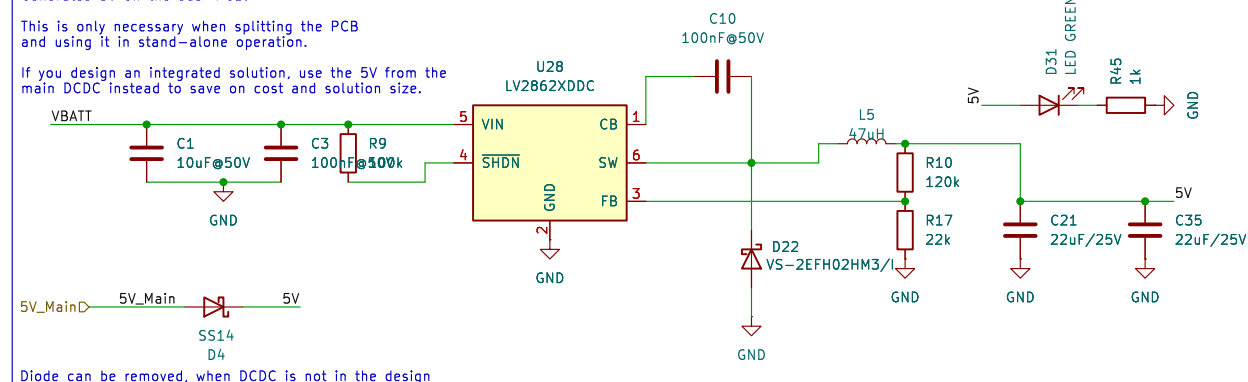




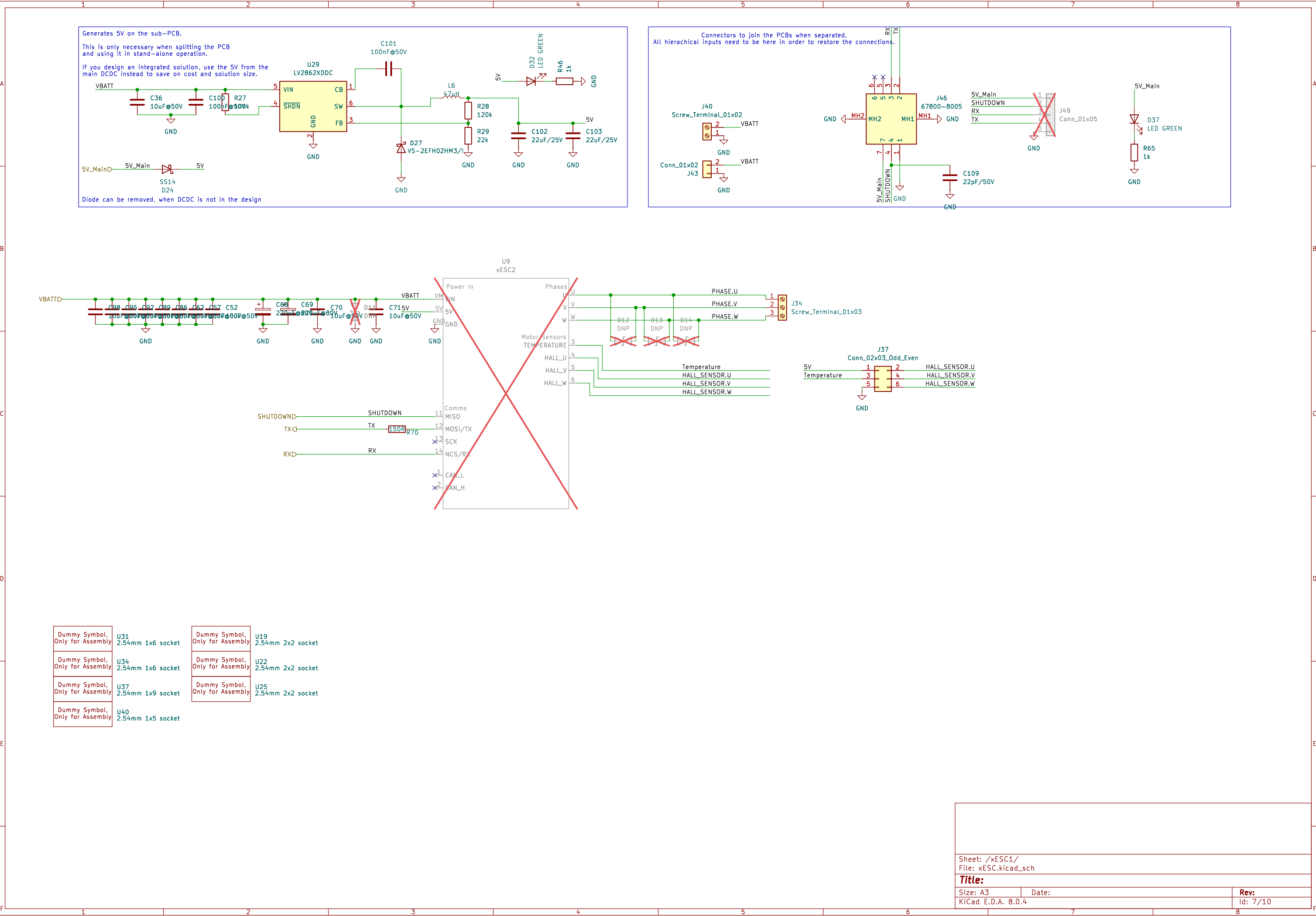


This is only necessary when splitting the PCB and using it in stand-alone operation.

If you design an integrated solution, use the 5V from the main DCDC instead to save on cost and solution size.



Dummy Symbol, Only for Assembly	U30 2.54mm 1x6 socket	Dummy Symbol, Only for Assembly	U18 2.54mm 2x2 socket
Dummy Symbol, Only for Assembly	U33 2.54mm 1x6 socket	Dummy Symbol, Only for Assembly	U21 2.54mm 2x2 socket
Dummy Symbol, Only for Assembly	U36 2.54mm 1x9 socket	Dummy Symbol, Only for Assembly	U24 2.54mm 2x2 socket
Dummy Symbol, Only for Assembly	U39 2.54mm 1x5 socket		



Sheet: /xESC1/
File: xESC.kicad_sch

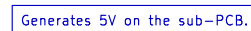
Title:

Size: A3
KiCad E.D.A. 8.0.4

Date:

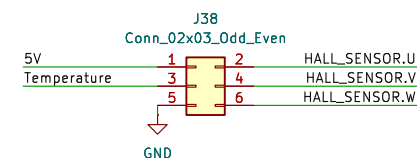
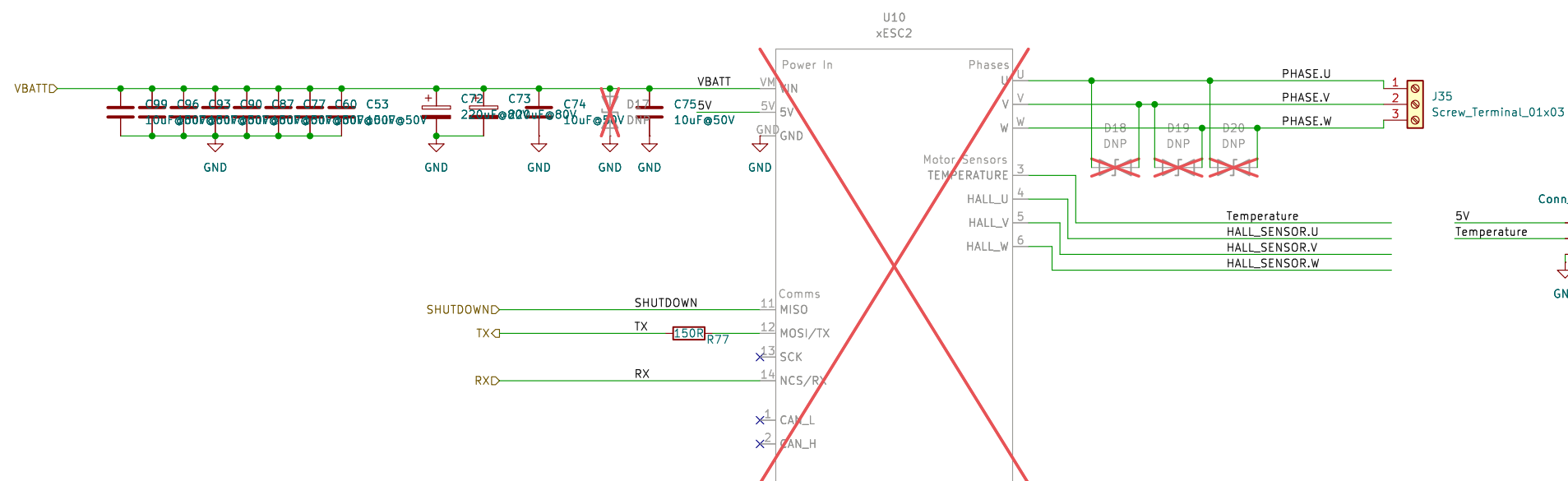
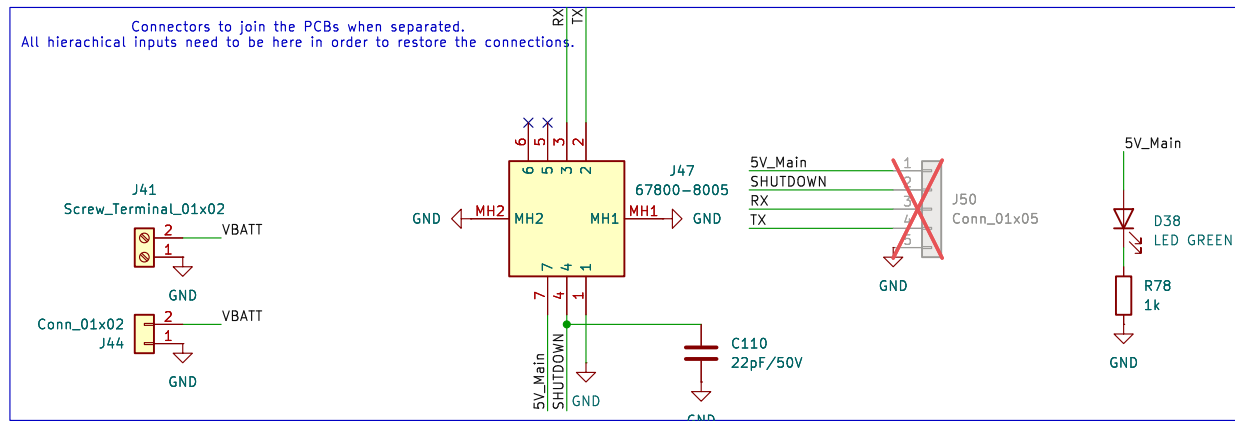
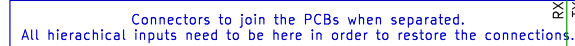
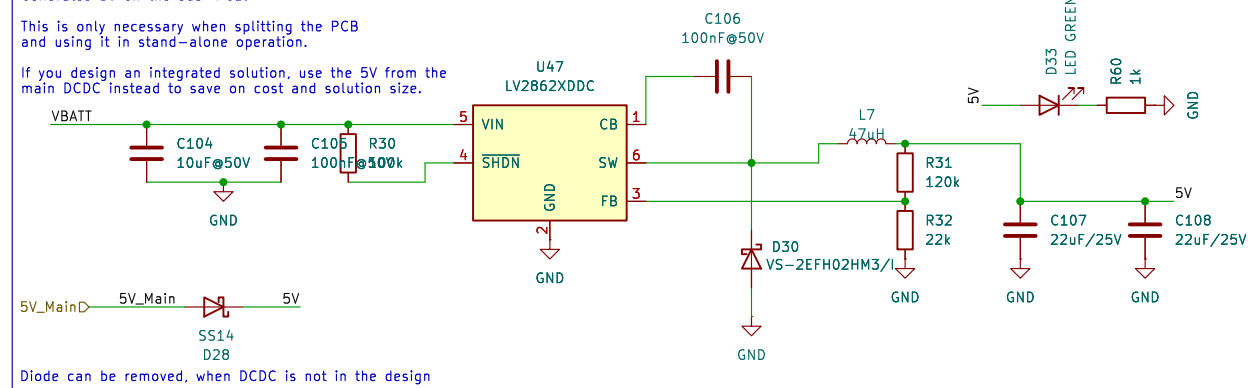
Rev:

Id: 7/10

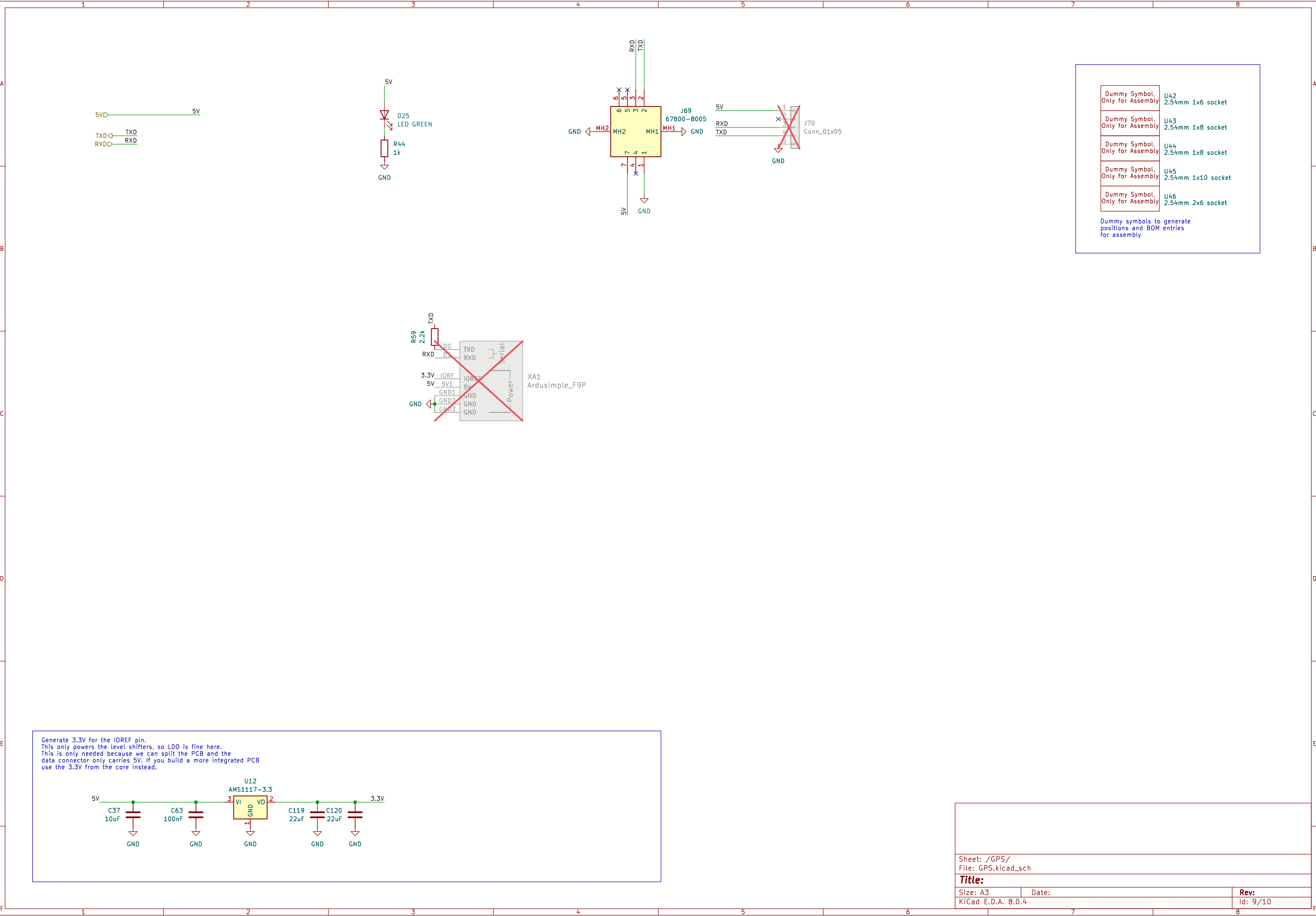


This is only necessary when splitting the PCB and using it in stand-alone operation.

If you design an integrated solution, use the 5V from the main DCDC instead to save on cost and solution size.



Dummy Symbol, Only for Assembly	U32 2.54mm 1x6 socket	Dummy Symbol, Only for Assembly	U20 2.54mm 2x2 socket
Dummy Symbol, Only for Assembly	U35 2.54mm 1x6 socket	Dummy Symbol, Only for Assembly	U23 2.54mm 2x2 socket
Dummy Symbol, Only for Assembly	U38 2.54mm 1x9 socket	Dummy Symbol, Only for Assembly	U26 2.54mm 2x2 socket
Dummy Symbol, Only for Assembly	U41 2.54mm 1x5 socket		



XA1

ArduSimple_F9P

3

VI

GND

V0

2

U12

AMS1117-3.3

1

GND

C37

10uF

GND

C63

100nF

GND

C119

22uF

GND

C120

22uF

GND

3.3V

5V

C37

10uF

GND

C63

100nF

GND

U12

AMS1117-3.3

VI

GND

V0

2

C119

22uF

GND

C120

22uF

GND

3.3V

Dummy Symbol,
Only for Assembly

U42

2.54mm 1x6 socket

Dummy Symbol,
Only for Assembly

U43

2.54mm 1x8 socket

Dummy Symbol,
Only for Assembly

U44

2.54mm 1x8 socket

Dummy Symbol,
Only for Assembly

U45

2.54mm 1x10 socket

Dummy Symbol,
Only for Assembly

U46

2.54mm 2x6 socket

Dummy symbols to generate
positions and BOM entries
for assembly

Generate 3.3V for the IOREF pin.
This only powers the level shifters, so LDO is fine here.
This is only needed because we can split the PCB and the
data connector only carries 5V. If you build a more integrated PCB
use the 3.3V from the core instead.

Sheet: /GPS/
File: GPS.kicad_sch

Title:

Size: A3

Date:

KiCad E.D.A. 8.0.4

Rev:

Id: 9/10

