

Sheet: /
File: Tesla_sextant_BT.kicad_sch

Title: *Tesla sextant BT*

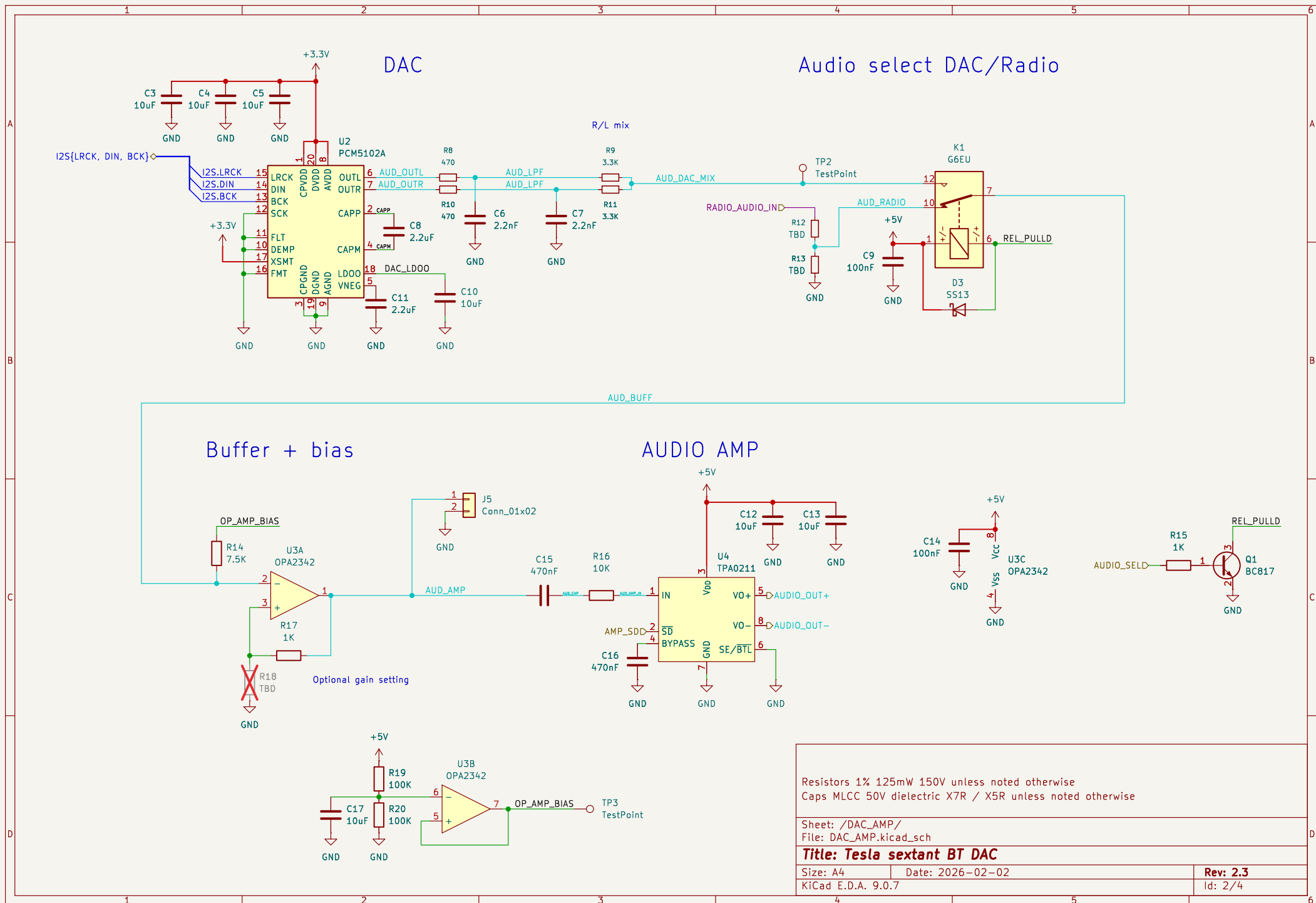
Title: *Tesla sextant BT*

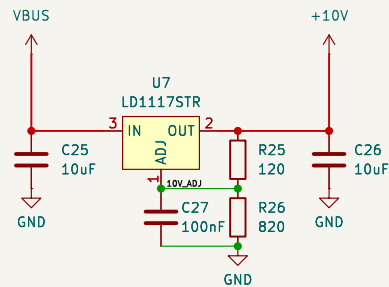
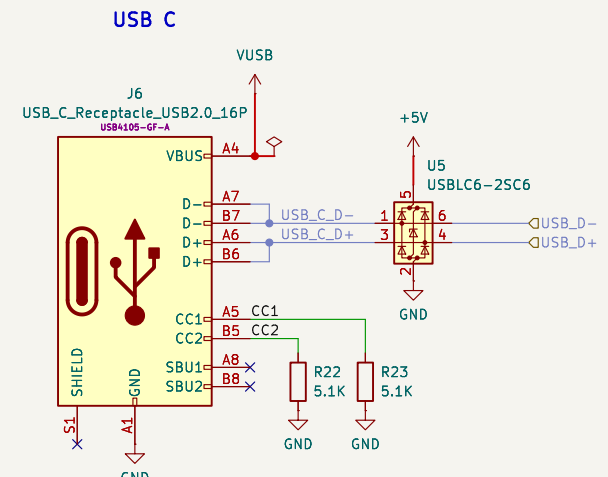
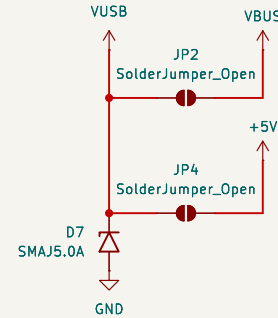
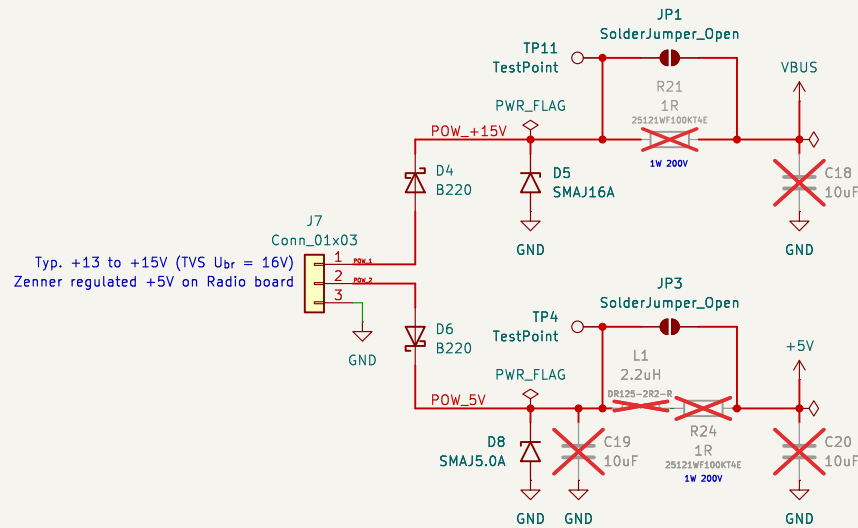
Size: A4	Date: 2026-02-05
----------	------------------

KiCad E.D.A. 9.0.7

Rev: 2.3

Id: 1/4



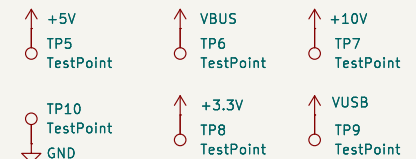
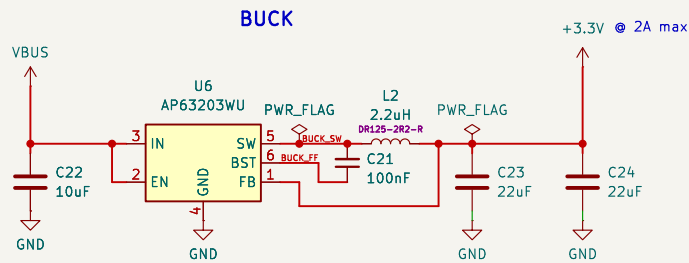


$$U_{out} = \sim 10V$$

$$U_{out} = 1.25 * (1 + (R2/R1))$$

$$10 = 1.25 * (1 + (R2/120))$$

$$R2 = 840 \Rightarrow 820$$



Resistors 1% 125mW 150V unless noted otherwise
Caps MLCC 50V dielectric X7R / X5R unless noted otherwise

Sheet: /POWER+USB/
File: POWER.kicad_sch

Title: Tesla sextant BT POWER

Size: A4 Date: 2026-02-02

KiCad E.D.A. 9.0.7

Rev: 2.3

Id: 3/4

