

1

2

3

4

5

6

7

8

A

01—power

33 placed—part definitions; labels shared globally

File: 01—power.kicad_sch

02—mcu

24 placed—part definitions; labels shared globally

File: 02—mcu.kicad_sch

03—storage—sensor

16 placed—part definitions; labels shared globally

File: 03—storage—sensor.kicad_sch

04—isolated—rs485

23 placed—part definitions; labels shared globally

File: 04—isolated—rs485.kicad_sch

ENGINEERING CANDIDATE — NO FABRICATION RELEASE. Power/RF/DFM review, BOM freeze and physical EVT remain open.

Sheet: /
File: MB—W01.kicad_sch

Title: MB—W01 — anomaly monitor

Size: A3Date:KiCad E.D.A. 10.0.6

Rev: EVT1.1 / HOLDId: 1/5

F

1

2

3

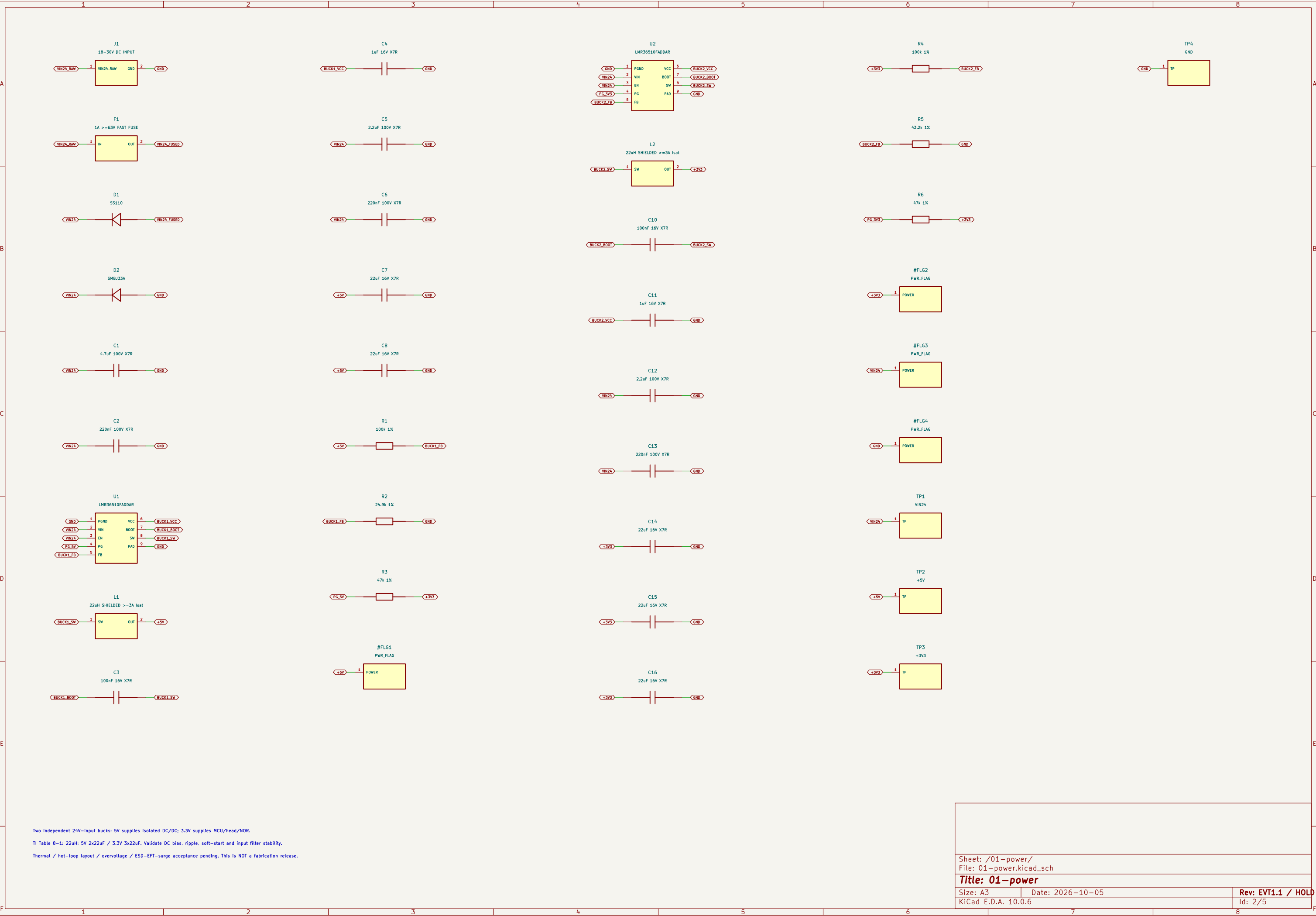
4

5

6

7

8



Two independent 24V-input bucks: 5V supplies Isolated DC/DC; 3.3V supplies MCU/head/NOR.

Tl Table B-1: 22uH; 5V 2x22uF / 3.3V 3x22uF. Validate DC bias, ripple, soft-start and Input filter stability.

Thermal / hot-loop layout / overvoltage / ESD-EFT-surge acceptance pending. This is NOT a fabrication release.

