

Table 3. Output Filter Selection

INDUCTOR VALUE [µH] ⁽¹⁾	OUTPUT CAPACITOR VALUE [μF] (2)			
	22	47	68	100
1.0		√	√	√
1.5		√(3)	√	√
2.2			√	√

- (1) Inductor tolerance and current de-rating is anticipated. The effective inductance can vary by +20% and
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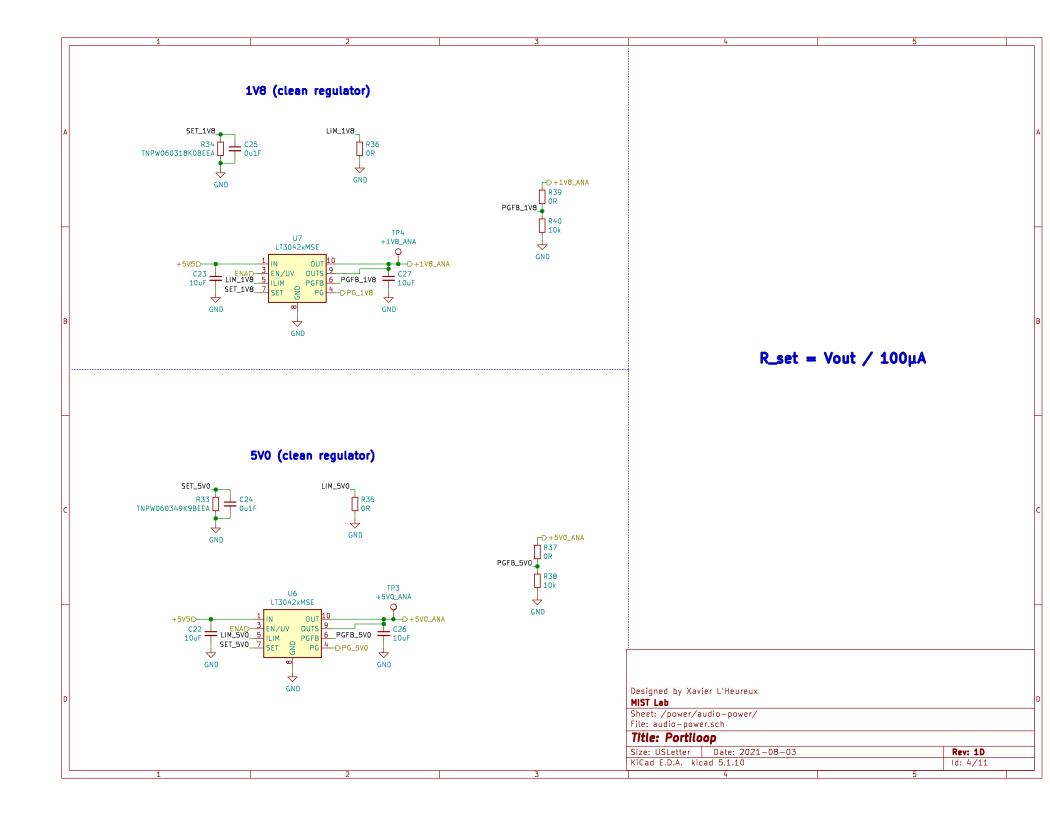
Designed by Xavier L'Heureux

MIST Lab

Sheet: /power/5V25/ File: 5V25.sch

Title: Portiloop

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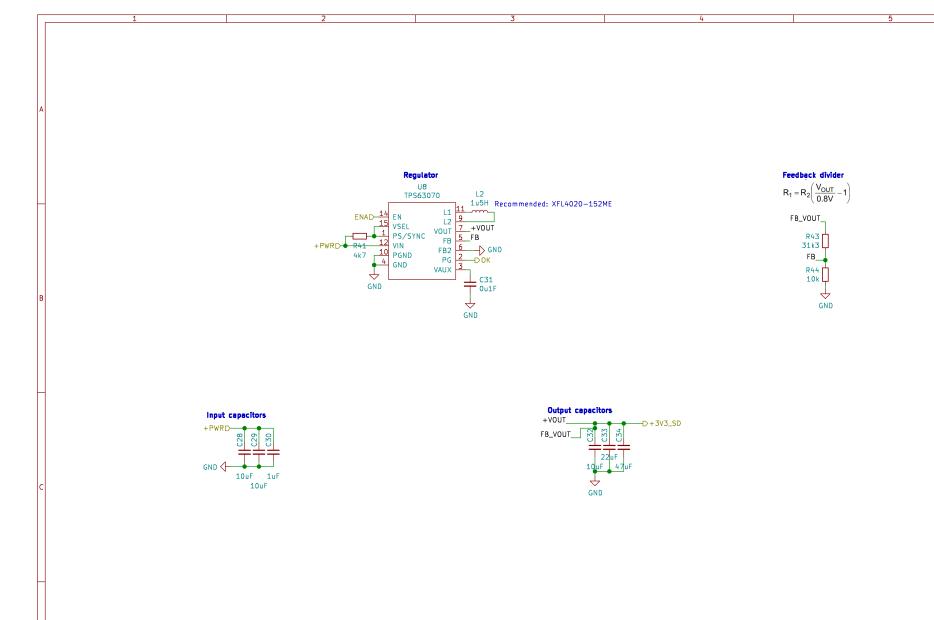


Table 3. Output Filter Selection

INDUCTOR	OUTPUT CAPACITOR VALUE [μF] ⁽²⁾			
VALUE [μH] ⁽¹⁾	22	47	68	100
1.0		√	√	√
1.5		√(3)	√	√
2.2			√	√

- Inductor tolerance and current de-rating is anticipated. The effective inductance can vary by +20% and -30%.
 Capacitance tolerance and bias voltage de-rating of +20% and -50% is anticipated. For capacitors with larger dc bias effect, a larger nominal value needs to be selected.
 Typical application. Other check marks indicates recommended filter combinations

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