



PoE PD controller

File: DCDC_24T054.kicad_sch

4:4:1:1:5 transformer

Secondary switching mosfets

Voltage Feedback

Bypass Shunt capacitors

Primary Switching Mosfet and current mode PWM controller

$V_{COUT} = 12V$
 $V_{Led} = 1.2V$
 $I_f = 20mA$
 $R_{led} = (12 - 1.2) / 0.020 = 540R$
 $R_{watt} = 540 * 0.02^2 = 0.21W$

Sheet: /PoE PD/
File: PoE PD.kicad_sch

Title:

Size: A3

Date:

Rev:

KiCad E.D.A. 8.0.1

Id: 7/11