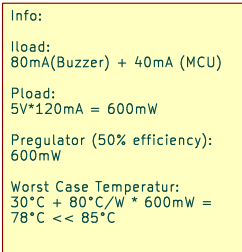


Sheet: /		
File: MamaGeburtstag2023.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (7.0.0)		Id: 1/3



Rev:
Id: 2/3

Info:

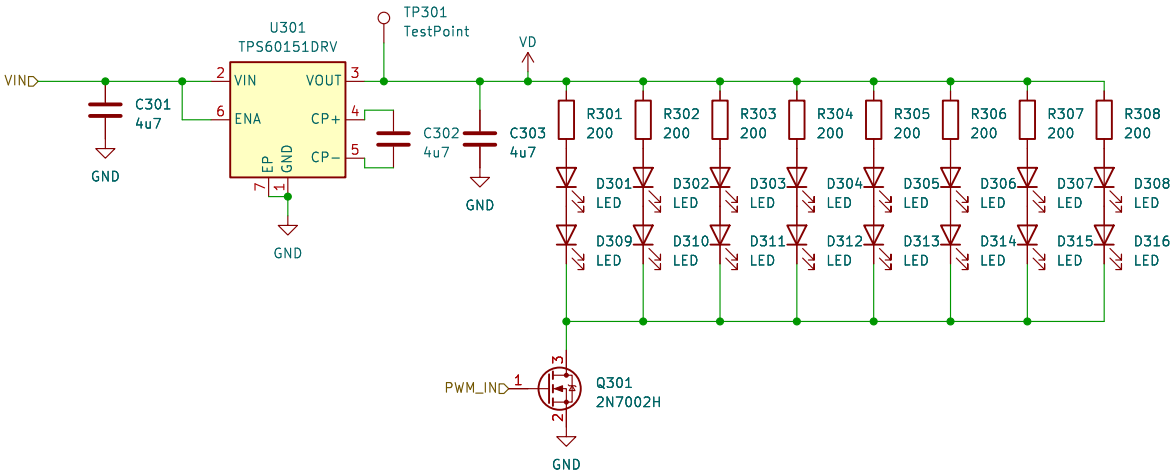
Rmax:
 $(5V - 2 \times 1.5V) / 10mA = 200R$

Pmax (Resistor):
 $(5V - 2 \times 1.5V) \times 10mA = 20mW$

Pload:
 $5V \times 8 \times 10mA = 400mW$

Pregulator:
Pload (50% efficiency):
400mW

Worst Case Temperatur:
 $30^{\circ}C + 80^{\circ}C/W \times 400mW = 62^{\circ}C < 85^{\circ}C$



Sheet: /Optic/
File: Optic.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad (7.0.0)

Rev:

Id: 3/3