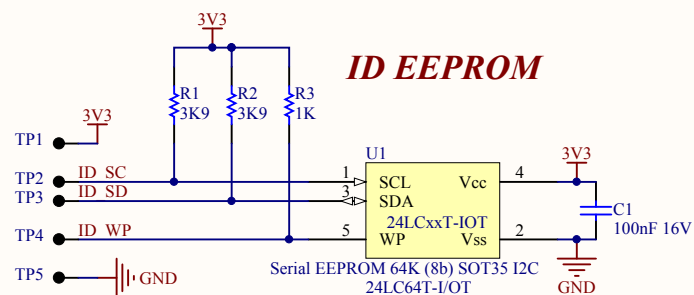
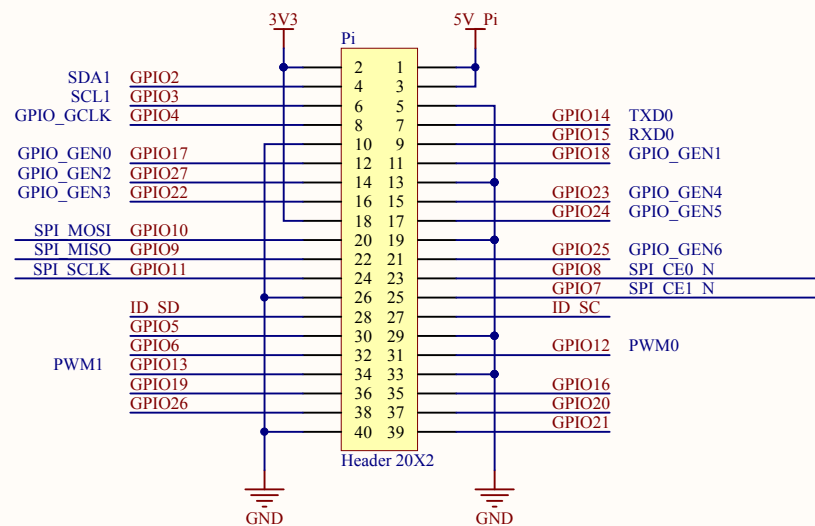
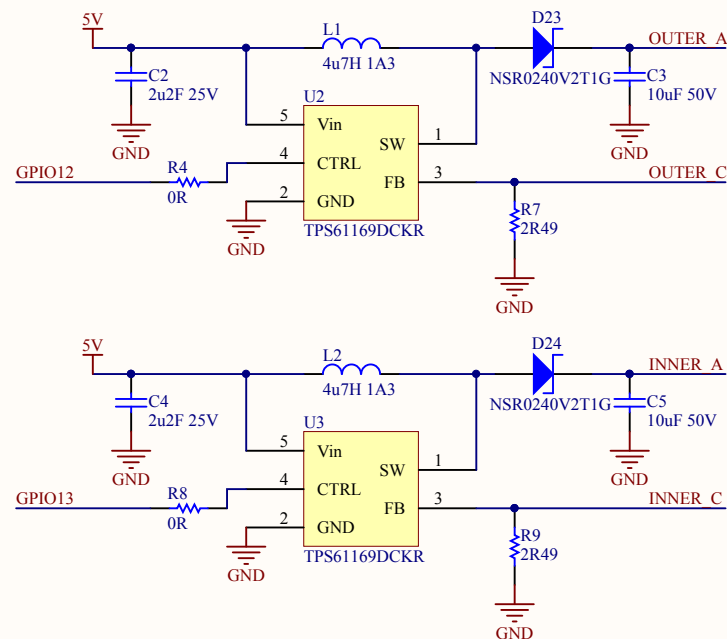
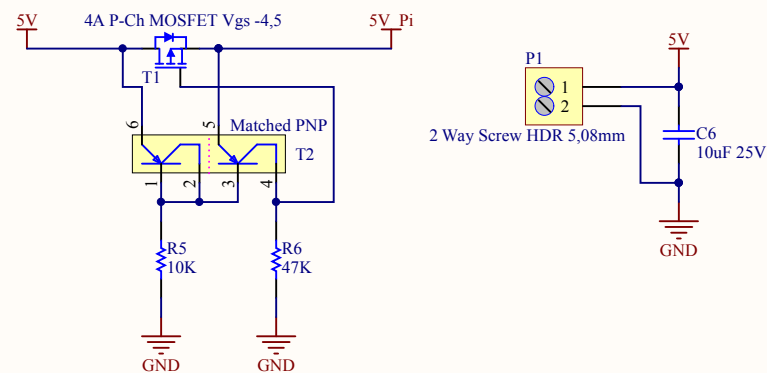


Raspberry Pi Expansion Header



Back Powering protection

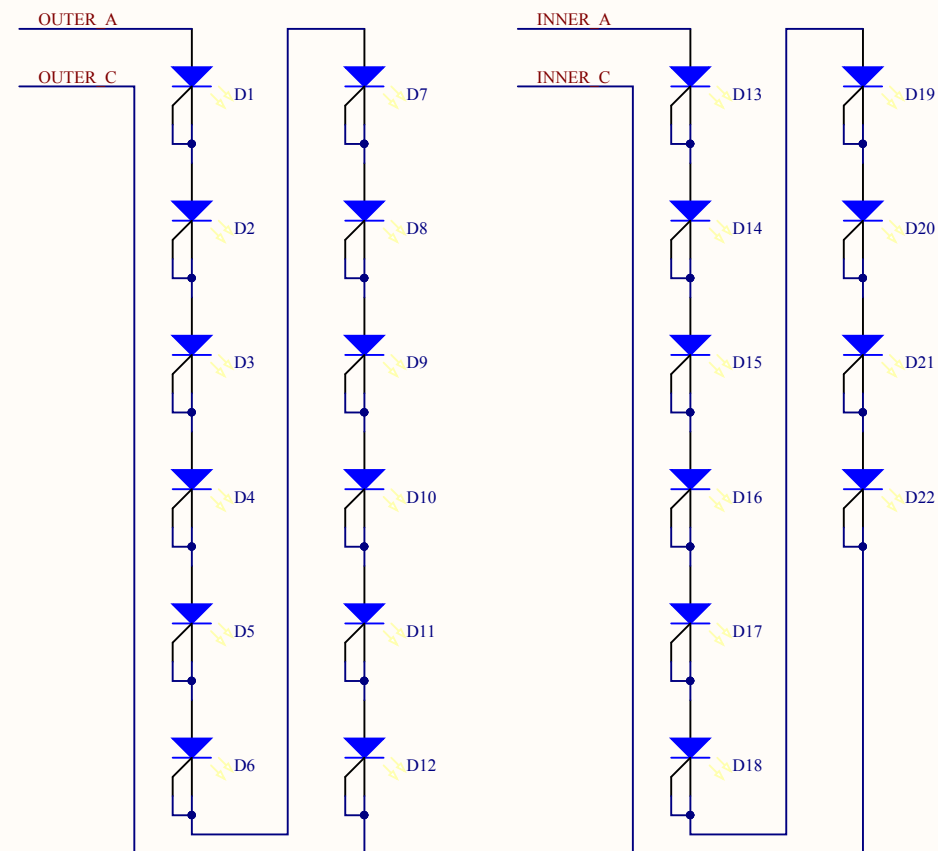


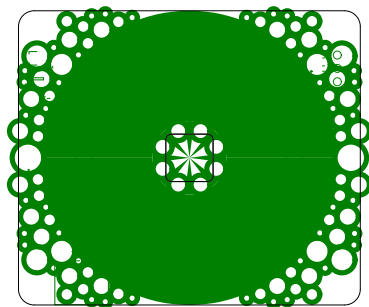
TPS61169

I LED	= 0.1A	0.08A
VFB	= 0.204V	
Rset	= VFB / I LED	
	= 0.1A / 0.204V	0.08A / 0.204V
	= 2.04 Ohm	2.55 Ohm
P Rset	= VFB * I LED	
	= 0.1A * 0.204V	0.08A * 0.204V
	= 20.4 mW	16.32 mW

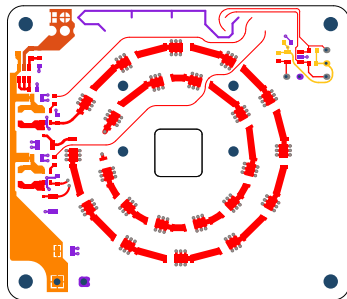
LM561A

Vf = 3.03V	@ If 0.08A	-> 36.36
Vf = 3.07V	@ If 0.09A	-> 36.84
Vf = 3.10V	@ If 0.10A	-> 37.2
Vf = 3.14V	@ If 0.11A	-> 37.68
Vf = 3.17V	@ If 0.12A	-> 38.04
Vf = 3.21V	@ If 0.13A	-> 38.52

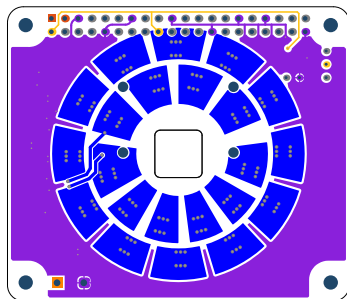




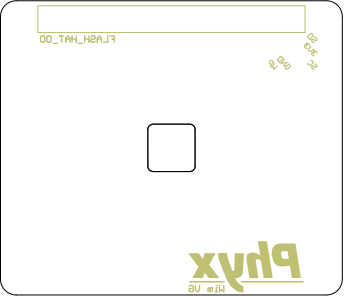
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Designer	Date	Rev
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WimVG		Document
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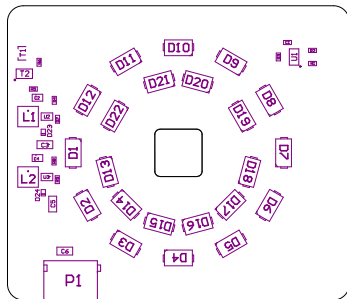
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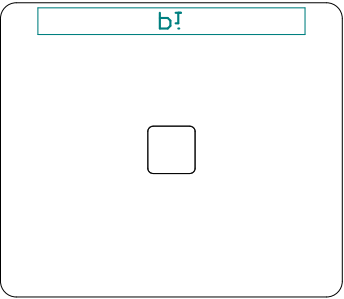
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	Date	Rev	
	15/02/2015	00	
Desginer	Document		
WimVG	RPI_HAT_Flash_00.PcbDoc		



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	Layer Name	
	Assembly Top	
Designer	Date	Rev
	15/02/2015	00
WimVG		Document
		RPI_HAT_Flash_00.PcbDoc



Desginer
WimVG

Document HAT_FLASH	
Layer Name Assembly Bottom	
Date 15/02/2015	Rev 00
Document RPI_HAT_Flash_00.PcbDoc	