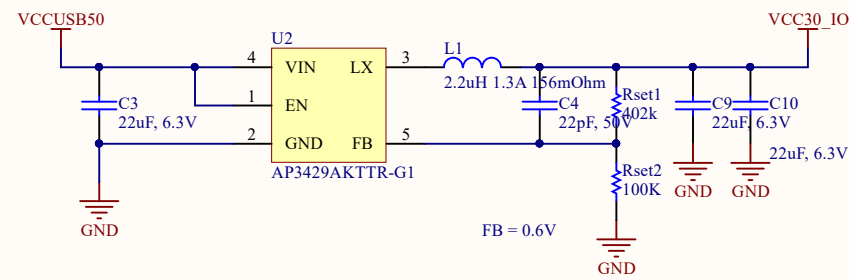
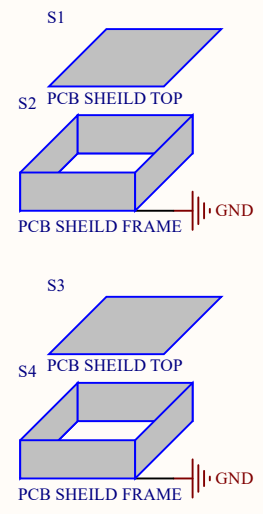


Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International Public License



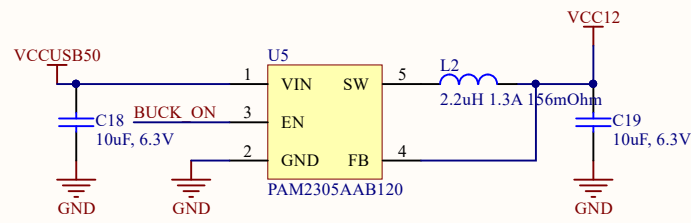
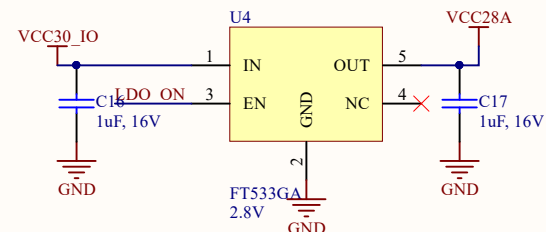
max current = 310mA
 $1/(1.0 \cdot 10^{-6} \cdot 2.2 \cdot 10^{-6}) \cdot 3(1-3/5) = 54\%$ ripple
 Max current for inductor = 465mA

$$I = 0.6/R2$$

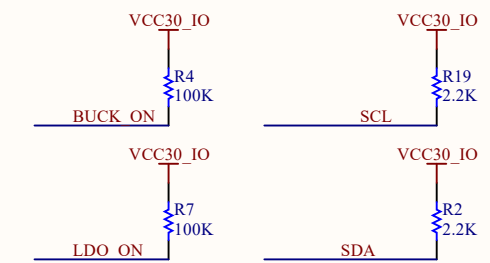
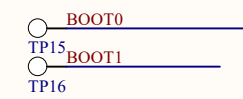
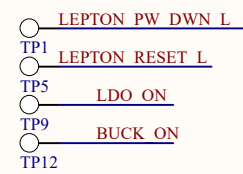
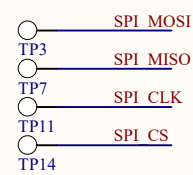
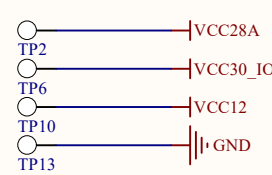
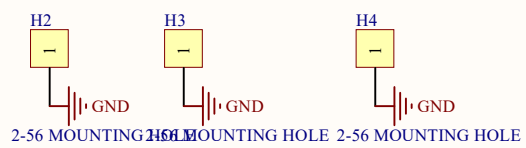
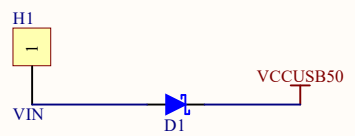
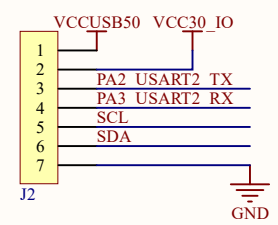
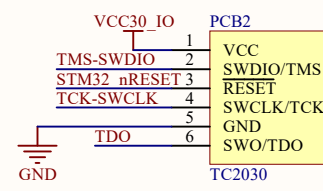
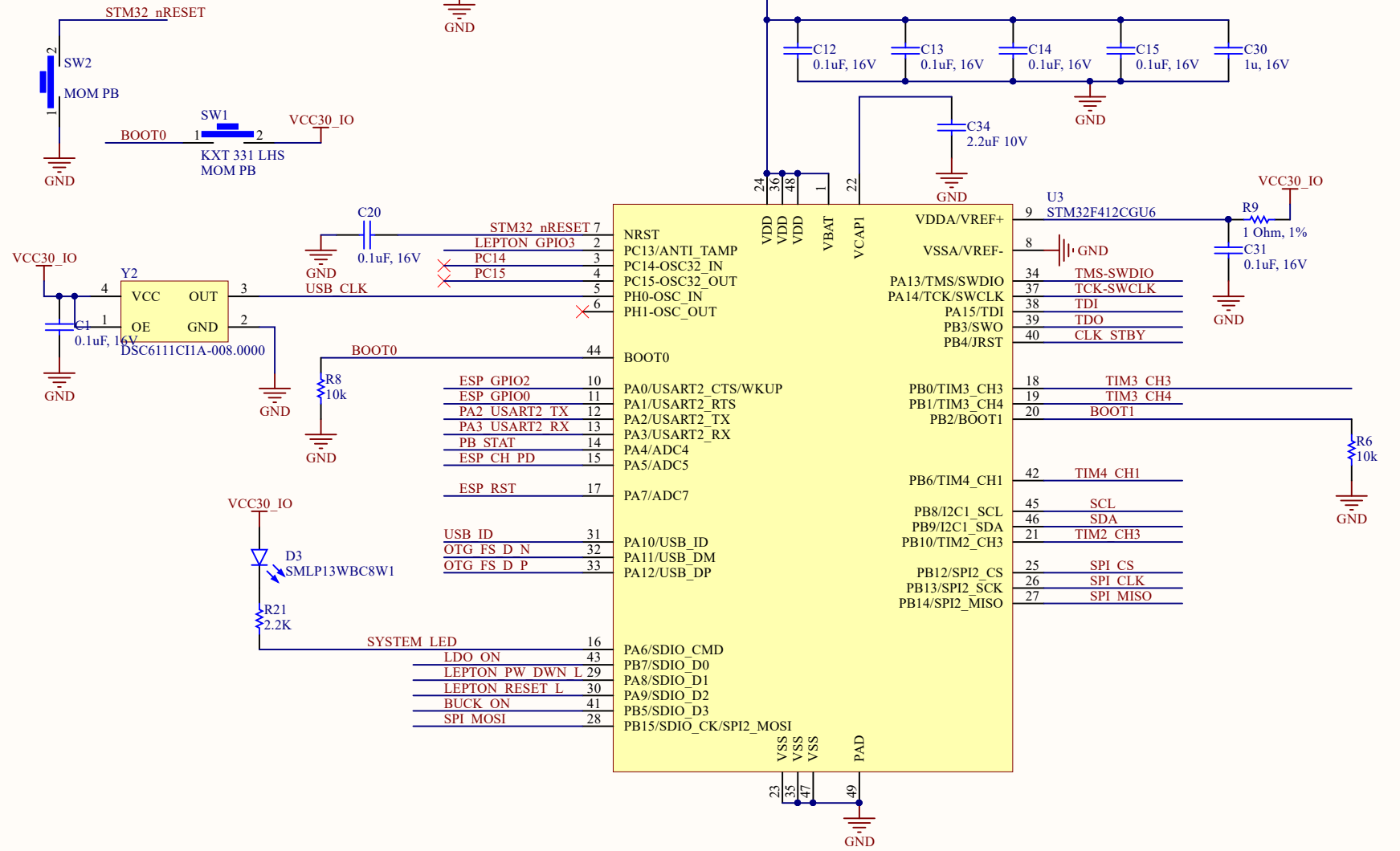
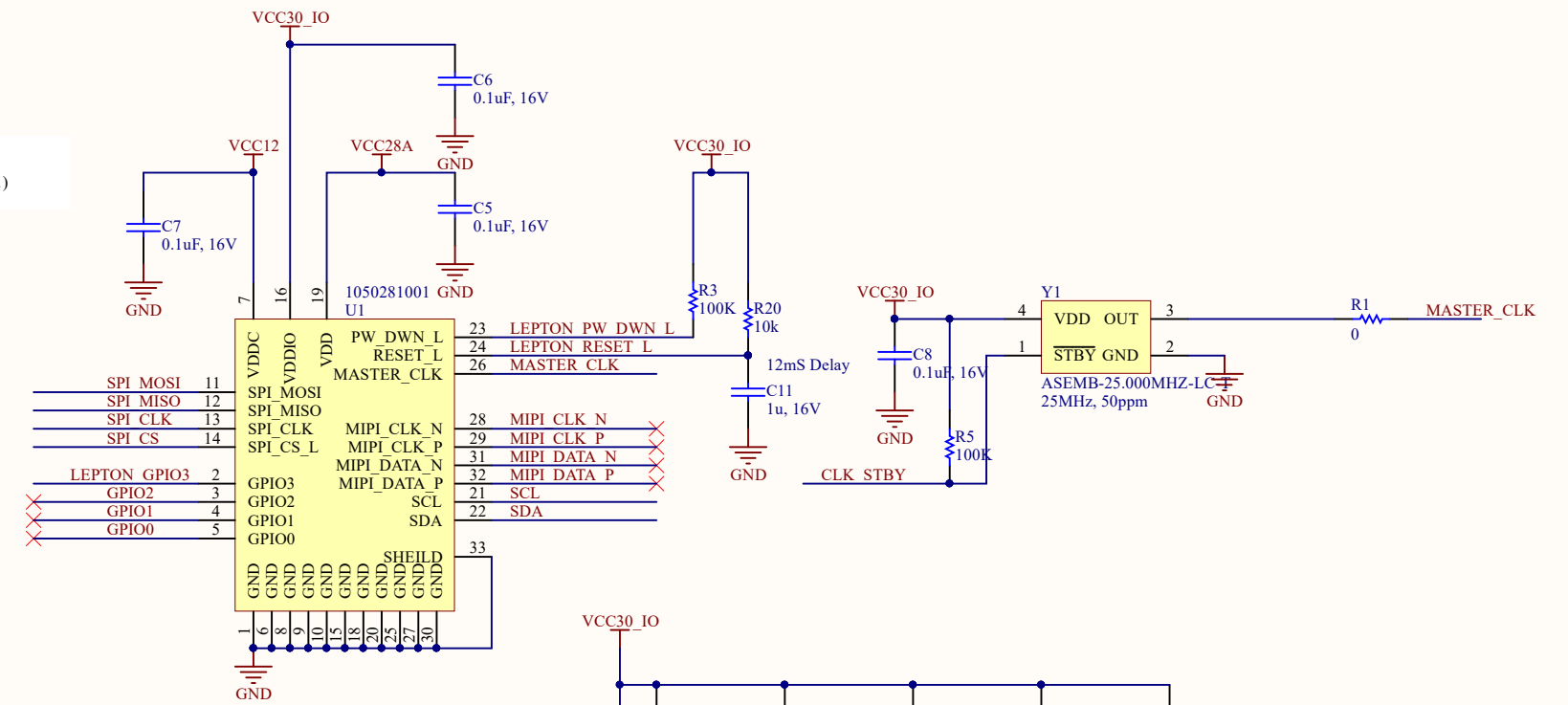
$$V = 1 \cdot (R2+R1)$$

$$3 = 0.6/R2 \cdot (R2+R1)$$

$$R2 = 0.25R1$$



max current = 110mA
 $1/(1.5 \cdot 10^{-6} \cdot 2.2 \cdot 10^{-6}) \cdot 1.2(1-1.2/5) = 27\%$ ripple
 Max current for inductor = 140



Title		PURE THERMAL 2		GroupGets.com	
Size	Number	20150812		Revision B	
C	Date:	4/2/2018	Sheet of	1/1	
	File:	C:\svn\...\PureThermal2.SchDoc	Drawn By:	Pure Engineering	