

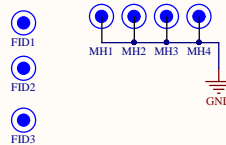
PowerTree

SecurBot

SecurBot

Revision 1

Date: 12/03/2019

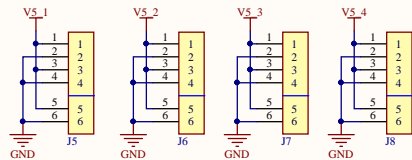


Revision history

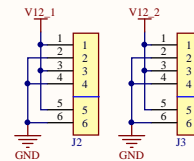
Package size conversion	
<i>Metric</i>	<i>Imperial</i>
1005	0402
1608	0603
2012	0805
3216	1206
3225	1210
6432	2512

Project Title			PowerTree		
Global Project			SecurBot		
Size	Group		Revision		
11x17	SecurBot		1		
Date	12/03/2019		Sheet	1	of 7
Filename			Designers		
Title.SchDoc			Olivier Belval Philippe Marcoux		

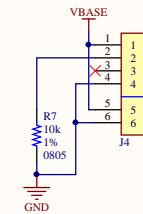
5V 2A



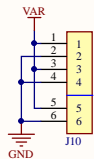
12V 8A



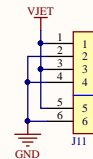
Robot base (VBAT)



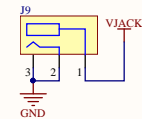
Variable 1A



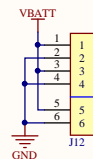
19V



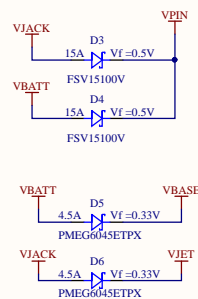
Direct Input (19V)



Battery Input (14.8V)

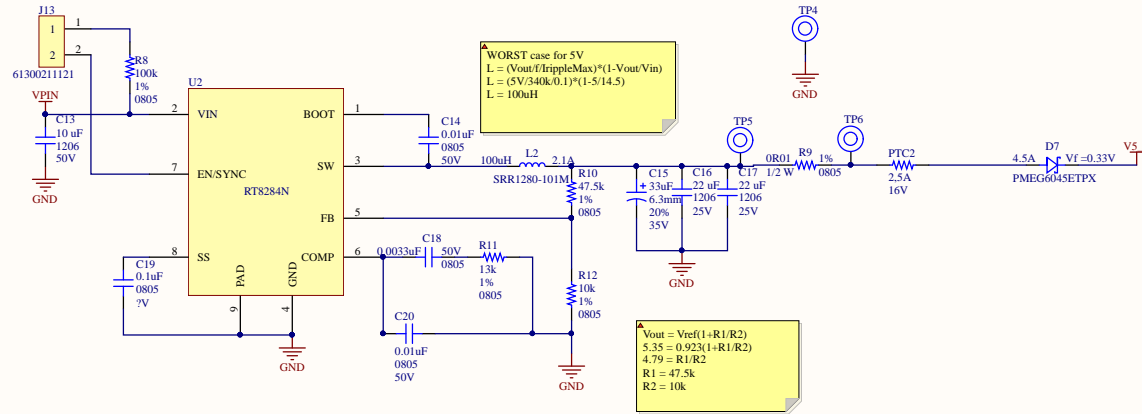


Reverse Current Protection

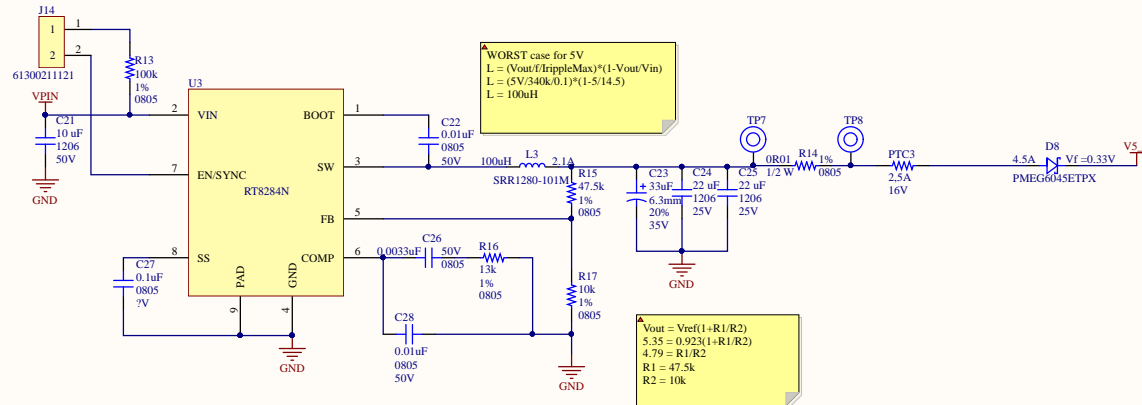


Sheet Name		Connectors	
Project Title		PowerTree	
Global Project		SecurBot	
Size	Group	Revision	
11x17	SecurBot	1	
Date	12/03/2019	Sheet	2 of 7
Filename		Designers	
Connectors.SchDoc		Olivier Belval Philippe Marcoux	

RT8284N 14.8V -> 5V

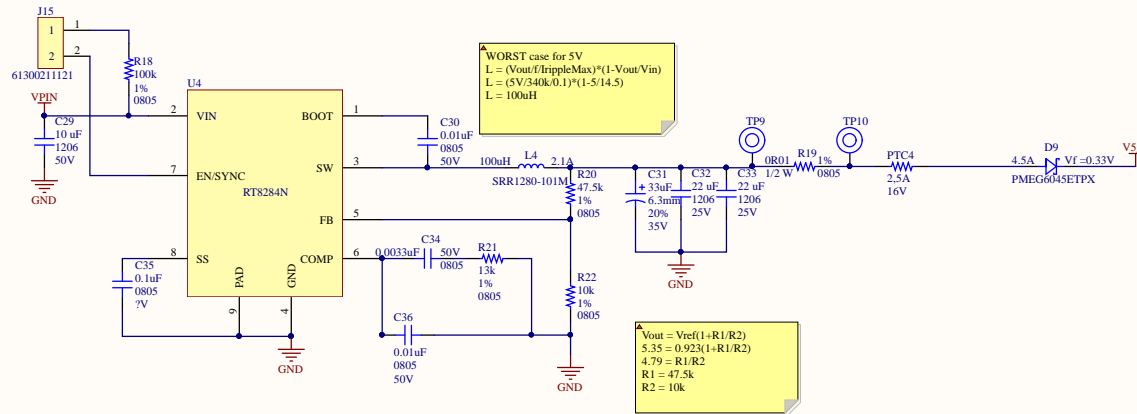


RT8284N 14.8V -> 5V

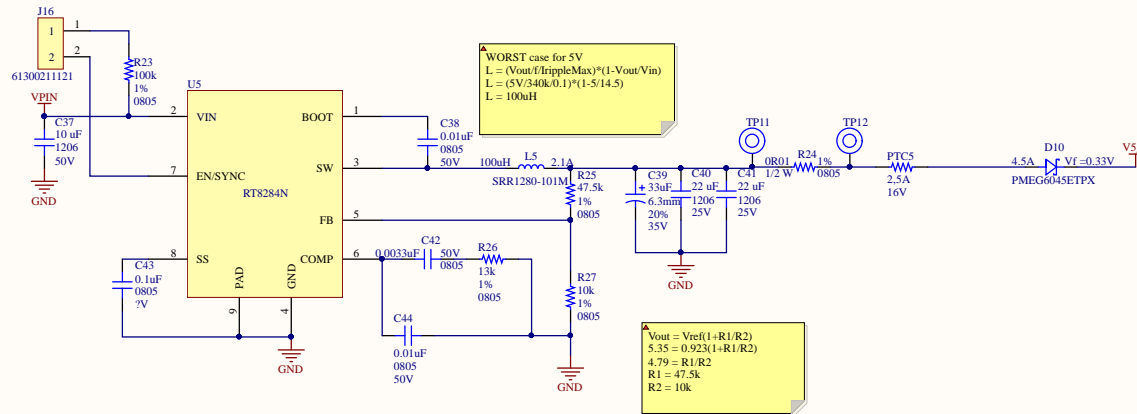


Sheet Name		5V page 1	
Project Title		PowerTree	
Global Project		SecurBot	
Size	Group	SecurBot	Revision 1
Date	12/03/2019	Sheet 3	of 7
Filename		Designers	
DC_DC_5V_1.SchDoc		Olivier Belval Philippe Marcoux	

RT8284N 14.8V -> 5V

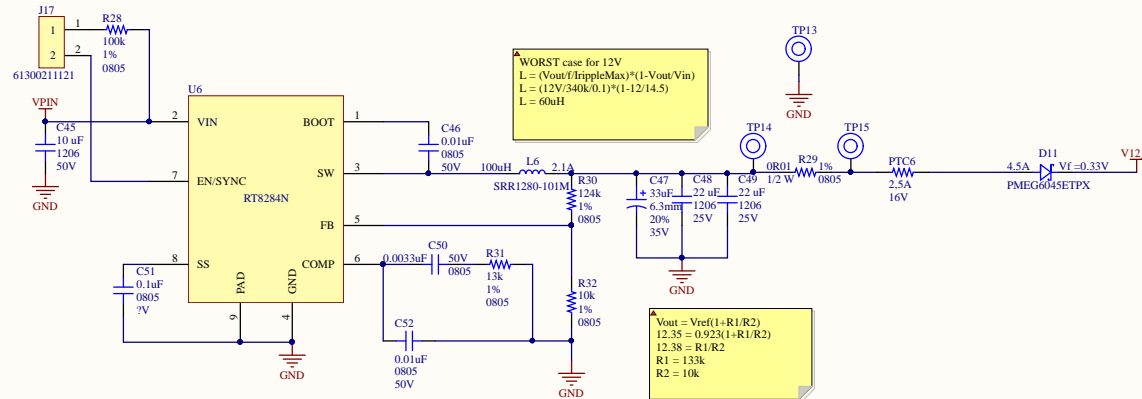


RT8284N 14.8V -> 5V

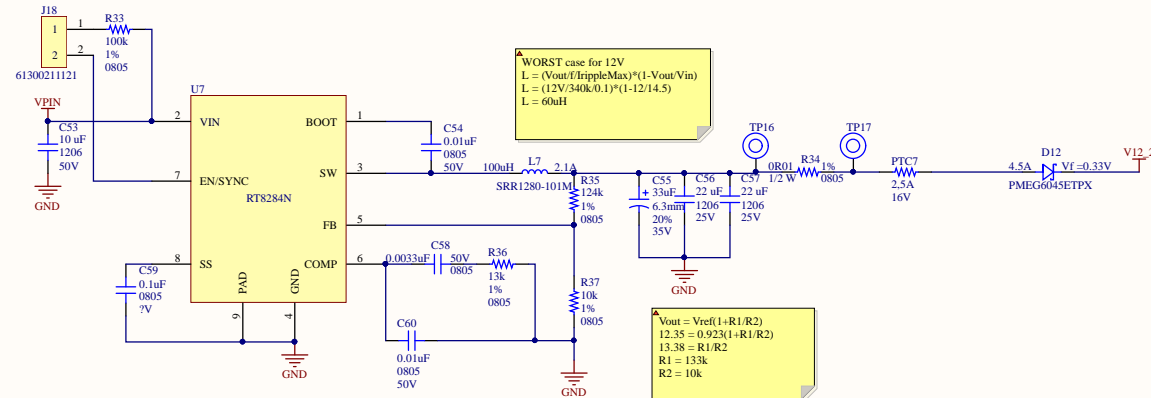


Sheet Name		5V page 2	
Project Title		PowerTree	
Global Project		SecurBot	
Size	Group	Revision	
11x17	SecurBot	1	
Date	12/03/2019	Sheet	4 of 7
Filename		Designers	
DC_DC_5V_2.SchDoc		Olivier Belval Philippe Marcoux	

RT8284N 14.8V -> 12V

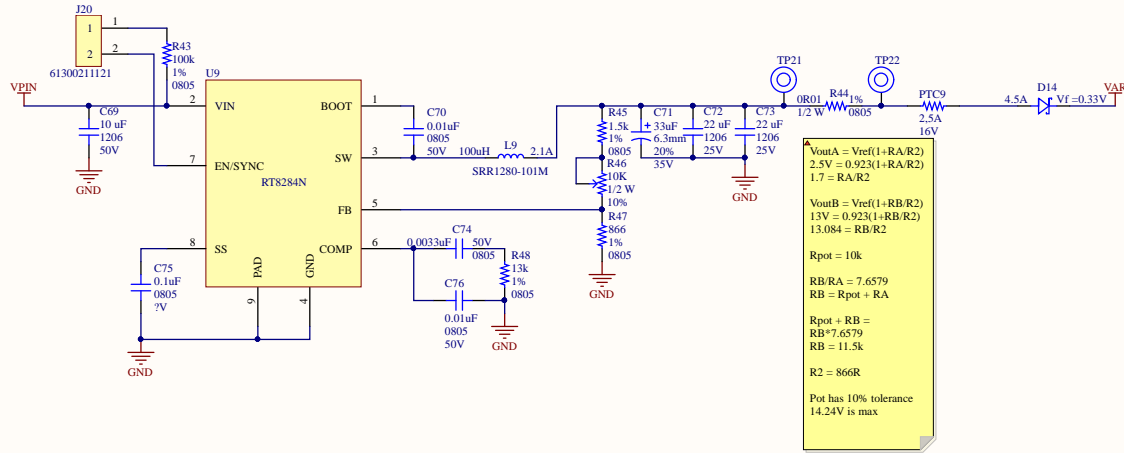
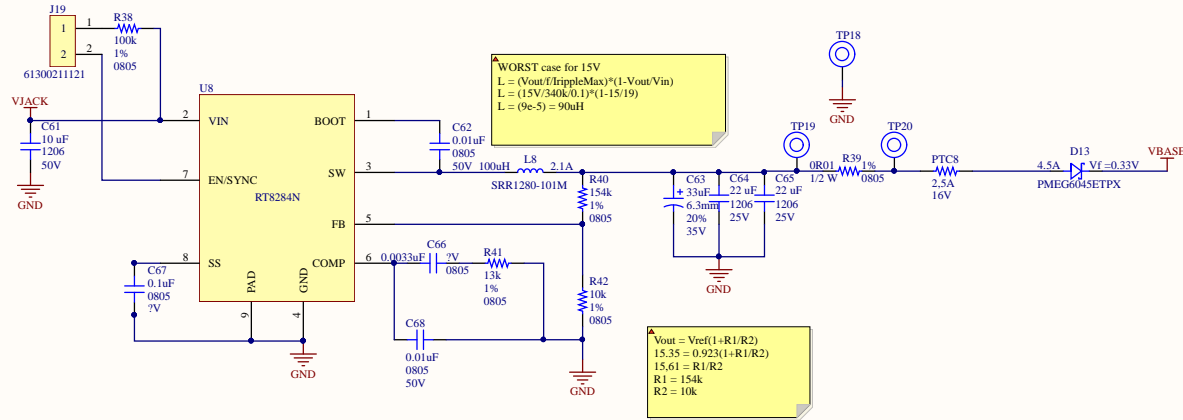


RT8284N 14.8V -> 12V

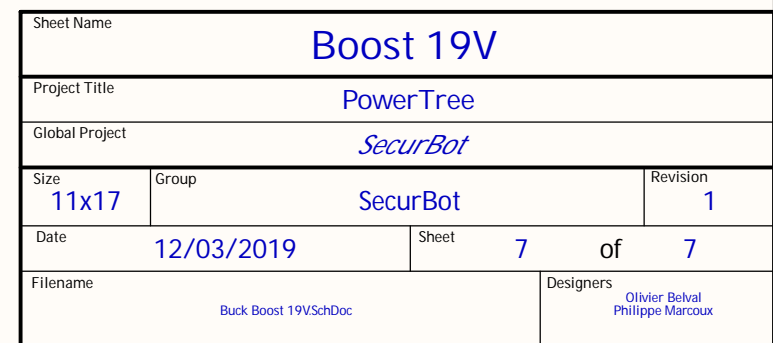


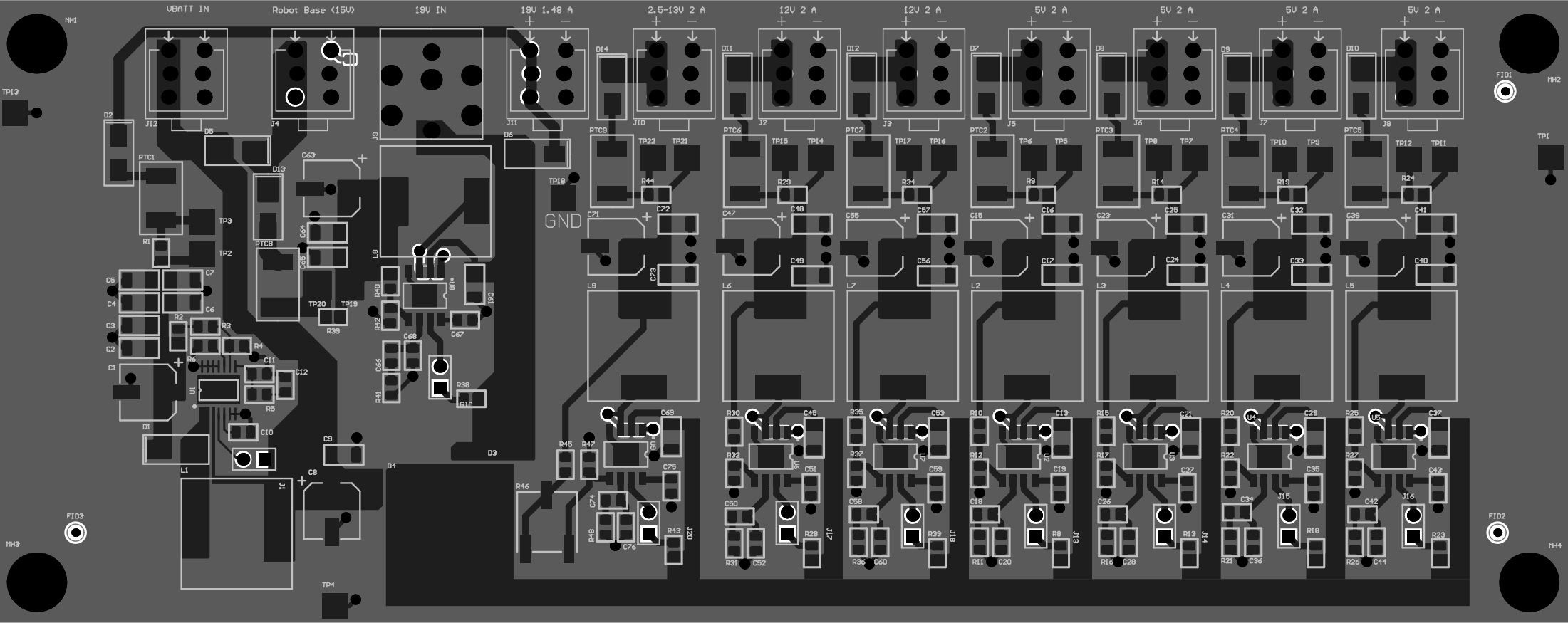
Sheet Name		12V	
Project Title		PowerTree	
Global Project		SecurBot	
Size	Group	SecurBot	Revision
Size			1
Date	12/03/2019	Sheet	5 of 7
Filename		Designers	
DC_DC_12V_SchDoc		Olivier Belval Philippe Marcoux	

RT8284N 19V -> 15V



Sheet Name		15V and Variable V	
Project Title		PowerTree	
Global Project		SecurBot	
Size	Group	Revision	
11x17	SecurBot	1	
Date	12/03/2019	Sheet	6 of 7
Filename		Designers	
DC_DC_15V_AND_VAR.SchDoc		Olivier Belval Philippe Marcoux	





Boards