

KILL A WATT DCDC Converter

by Lukas Deeken
V1.0 Q3 2022

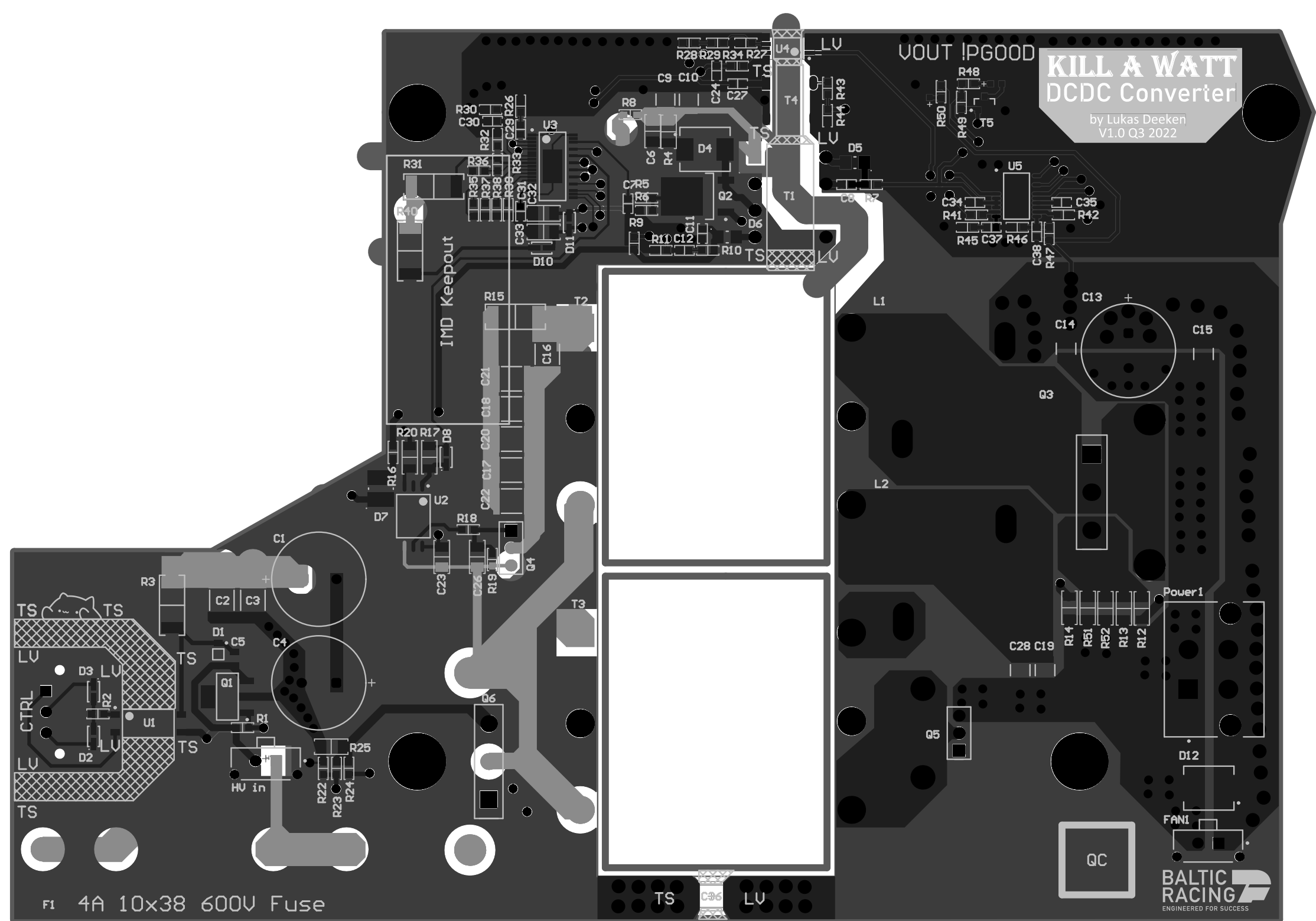
VOUT IPGOOD

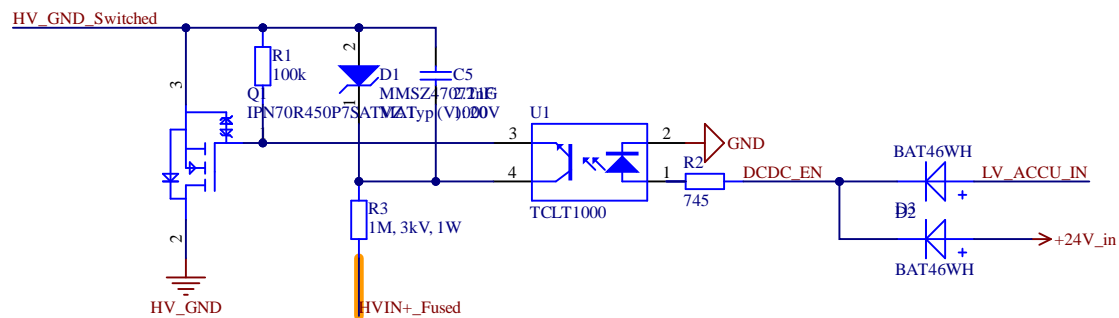
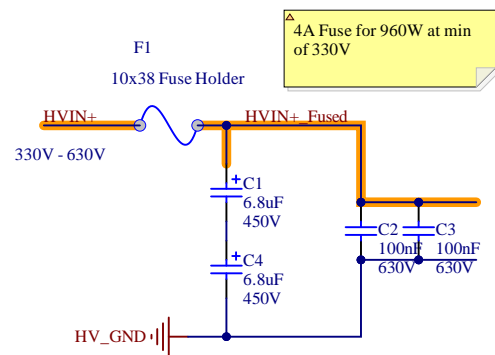
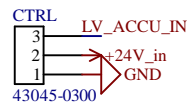
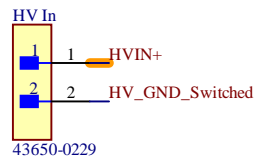
IMD Keepout

QC

BALTIC
RACING
ENGINEERED FOR SUCCESS

F1 4A 10x38 600V Fuse

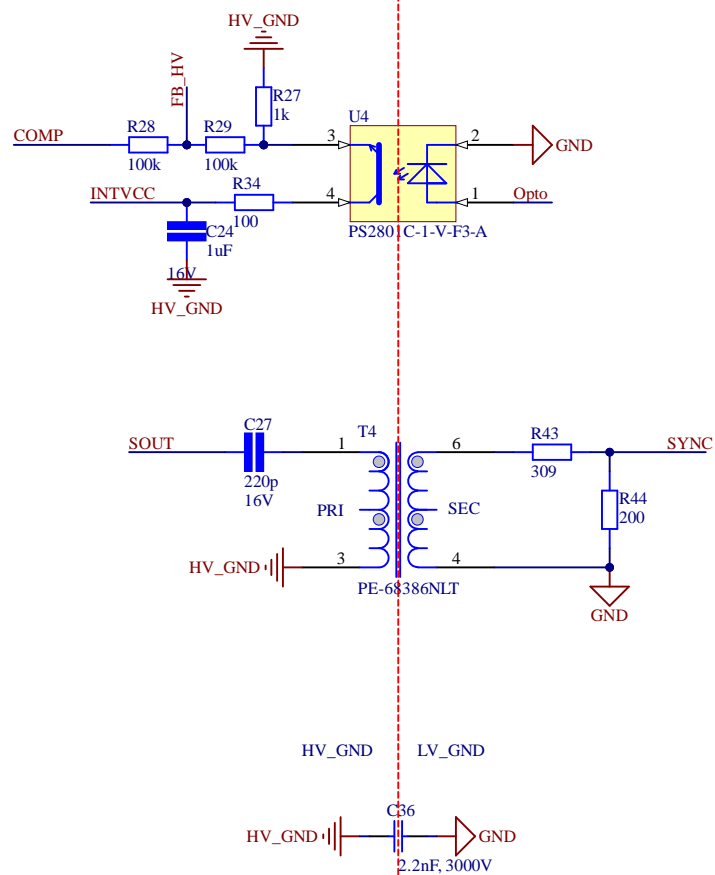




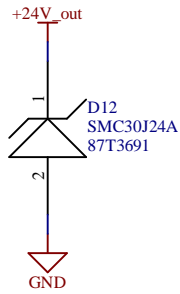
30mA @ 24V
0,35V(BAT46)+1,3V(TCLT)745Ohm

0,28V+1,15V ->0,76mA @ Vbatt
13,1nC
turn on time ->17us

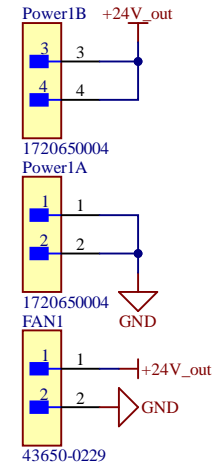
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Projekt:	HV_DCDC.PrjPcb		
Author:	*		
Checked by:	*		
Rules:	*		
Sheet 2 of 8		Size: A4	Date: 26.01.2023 Time: 18:41:27



Title: Interface_CTRL		<div> <div>BALTIC RACING</div> <div>ENGINEERED FOR SUCCESS</div> </div>	
Projekt:	HV_DCDC.PrjPcb	Revision: 0.9	
Author:	Lukas Deeken	Baltic Racing	
Checked by:	UNCHECKED	Zur Schwedenschanze 15	
Rules:	TODO	Haus 18	
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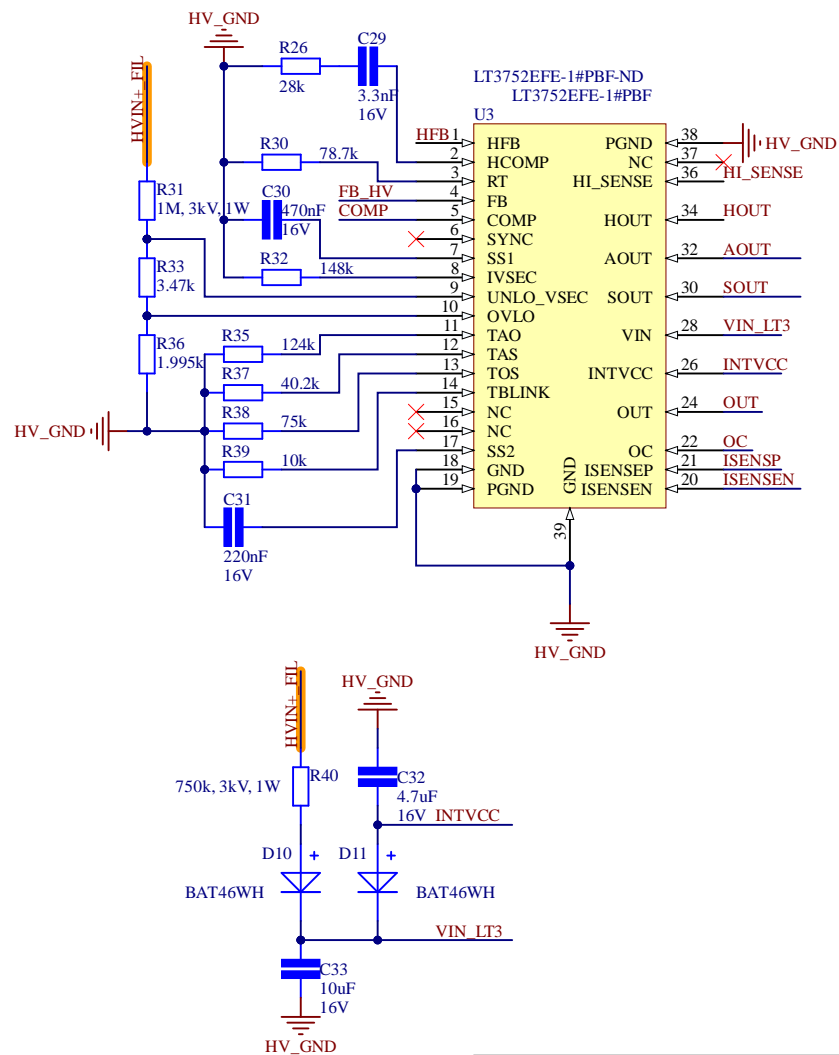


TVS Diode SMC30J24A
 capped to 28V typ (most sensitive part in 24V -> R78E with 28V max.)



Title: Sheetname		 ENGINEERED FOR SUCCESS	
Projekt:	HV_DCDC.PrjPcb	Revision: xx.xx	
Author:	Team Member	Baltic Racing	
Checked by:	UNCHECKED	Zur Schwedenschanze 15	
Rules:	TODO	Haus 18	
Sheet 8 of 8		Date: 26.01.2023 Time: 18:41:28	





Title: Sheetname

Projekt: HV_DCDC.PrjPcb

Author: Team Member

Checked by: UNCHECKED

Rules: TODO

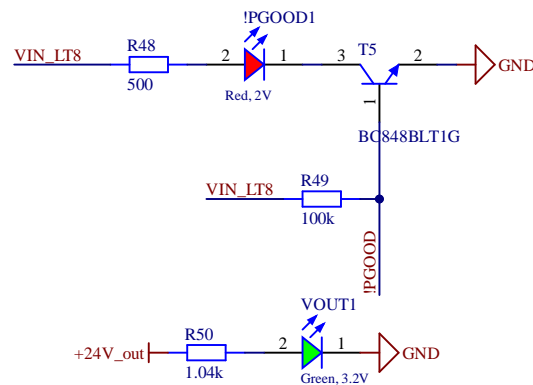
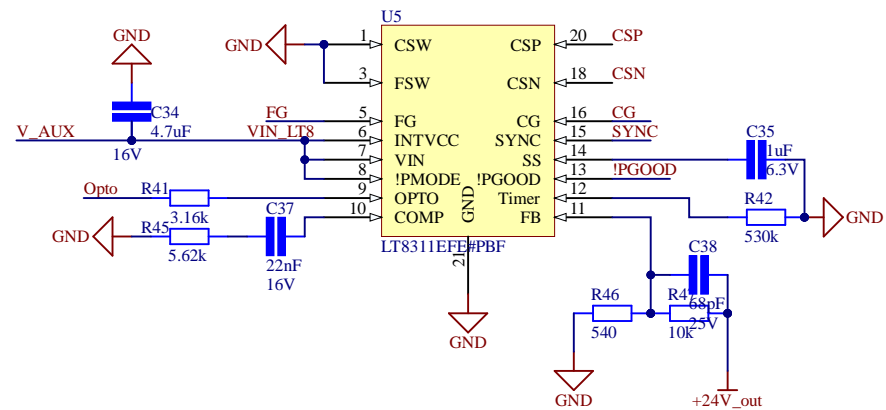
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Revision: xx.xx

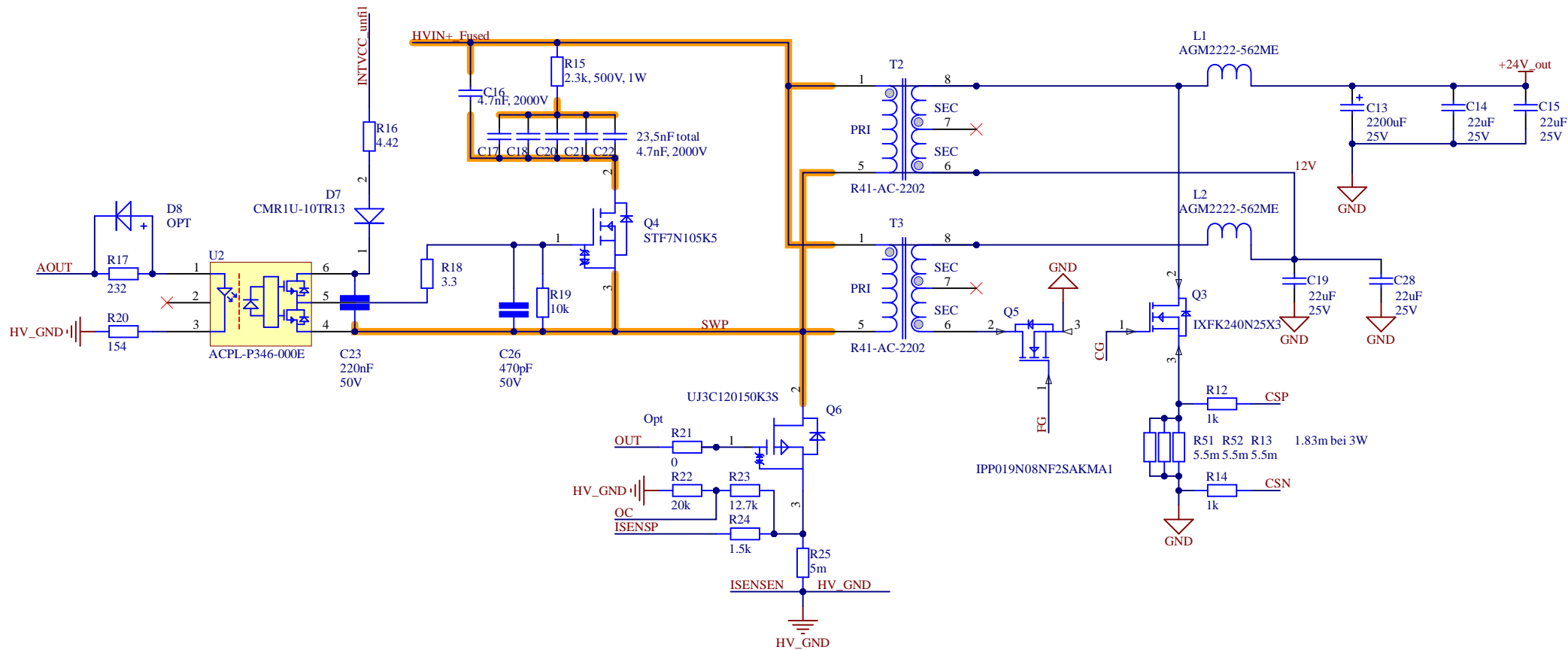
Baltic Racing
Zur Schwedenschanze 15
Haus 18
18435 Stralsund

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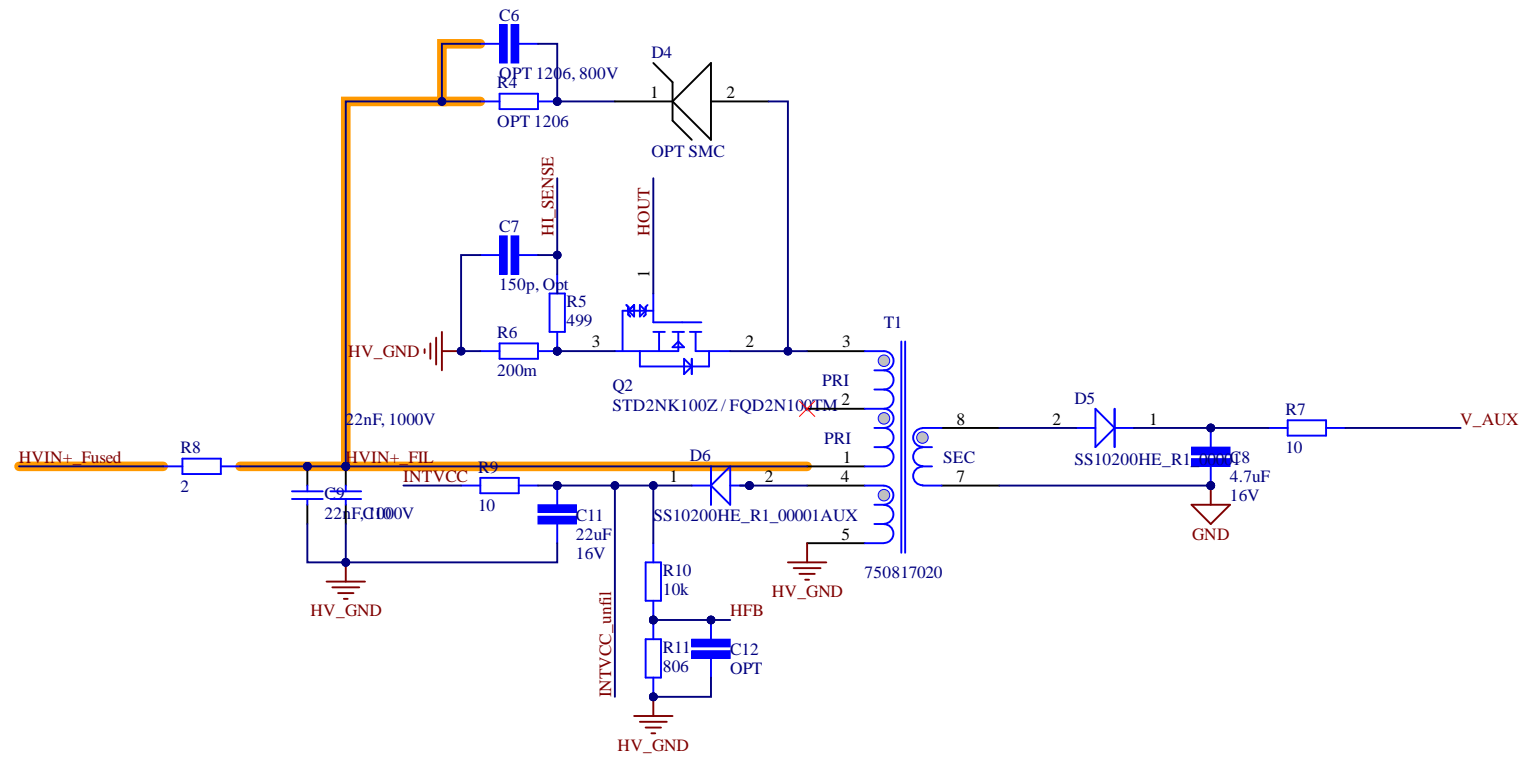




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Projekt:	HV_DCDC.PrjPcb		
Author:	Team Member		
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Rules:	TODO		
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Projekt:	HV_DCDC.PrjPcb		
Author:	Team Member		
Checked by:	UNCHECKED		
Rules:	TOD0		
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Author:	*	*	
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