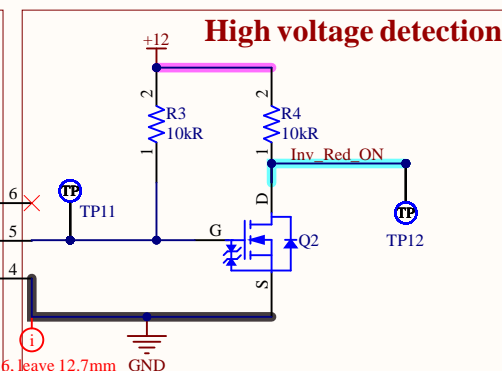
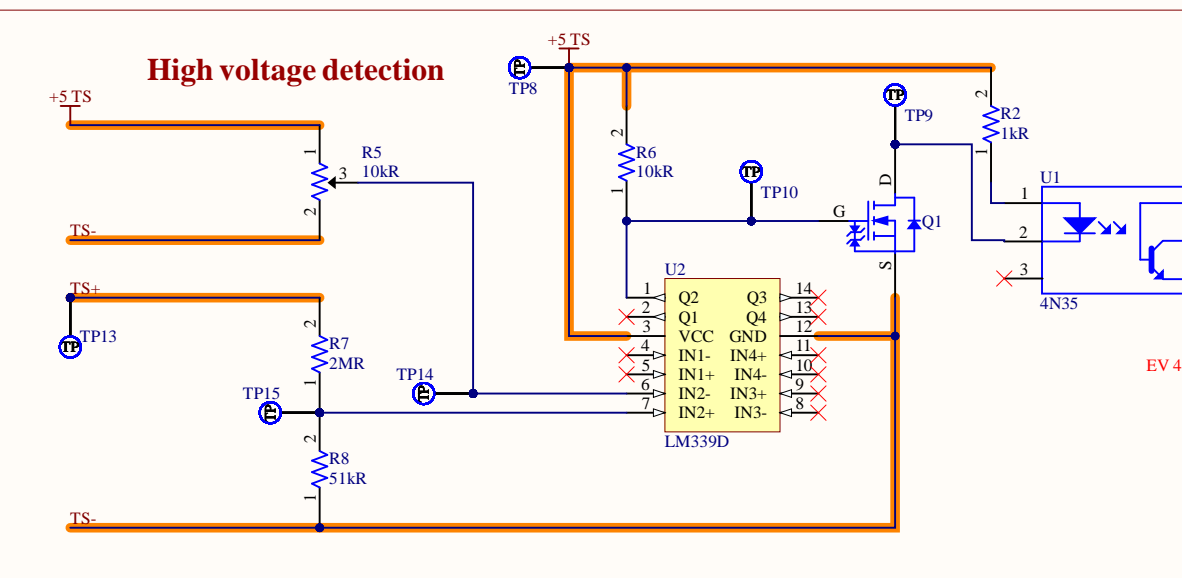
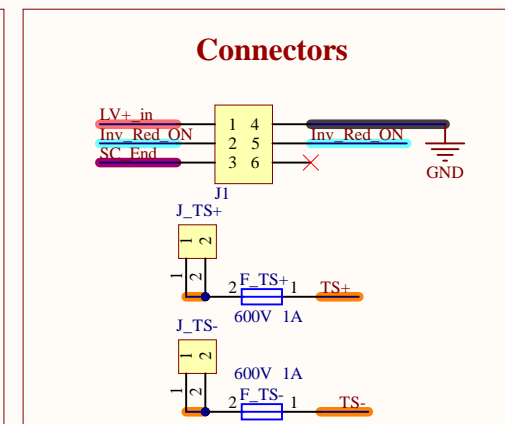
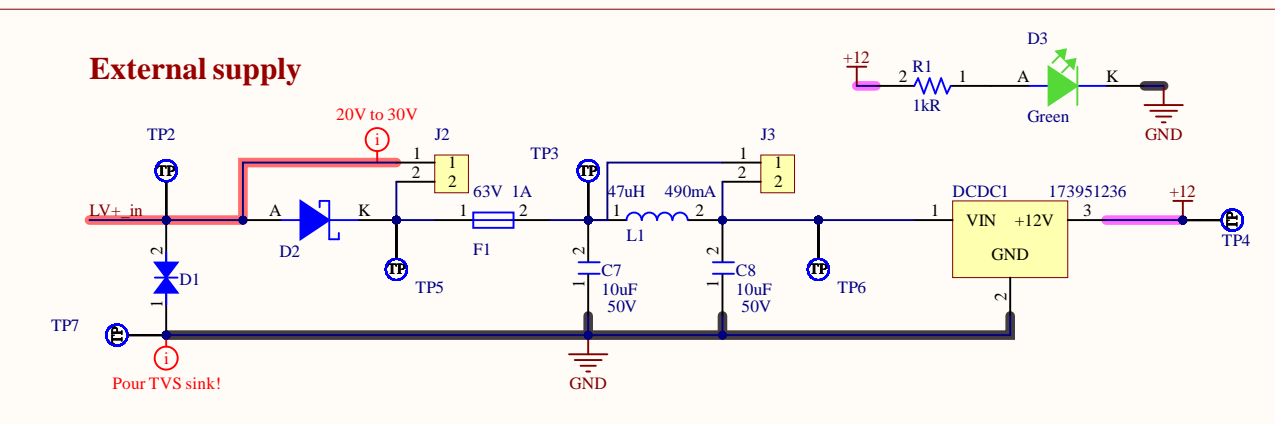
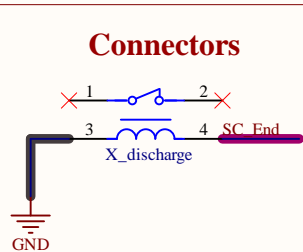
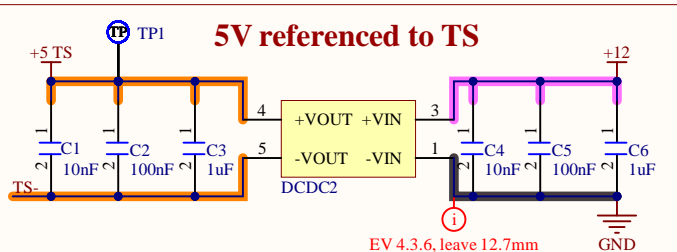
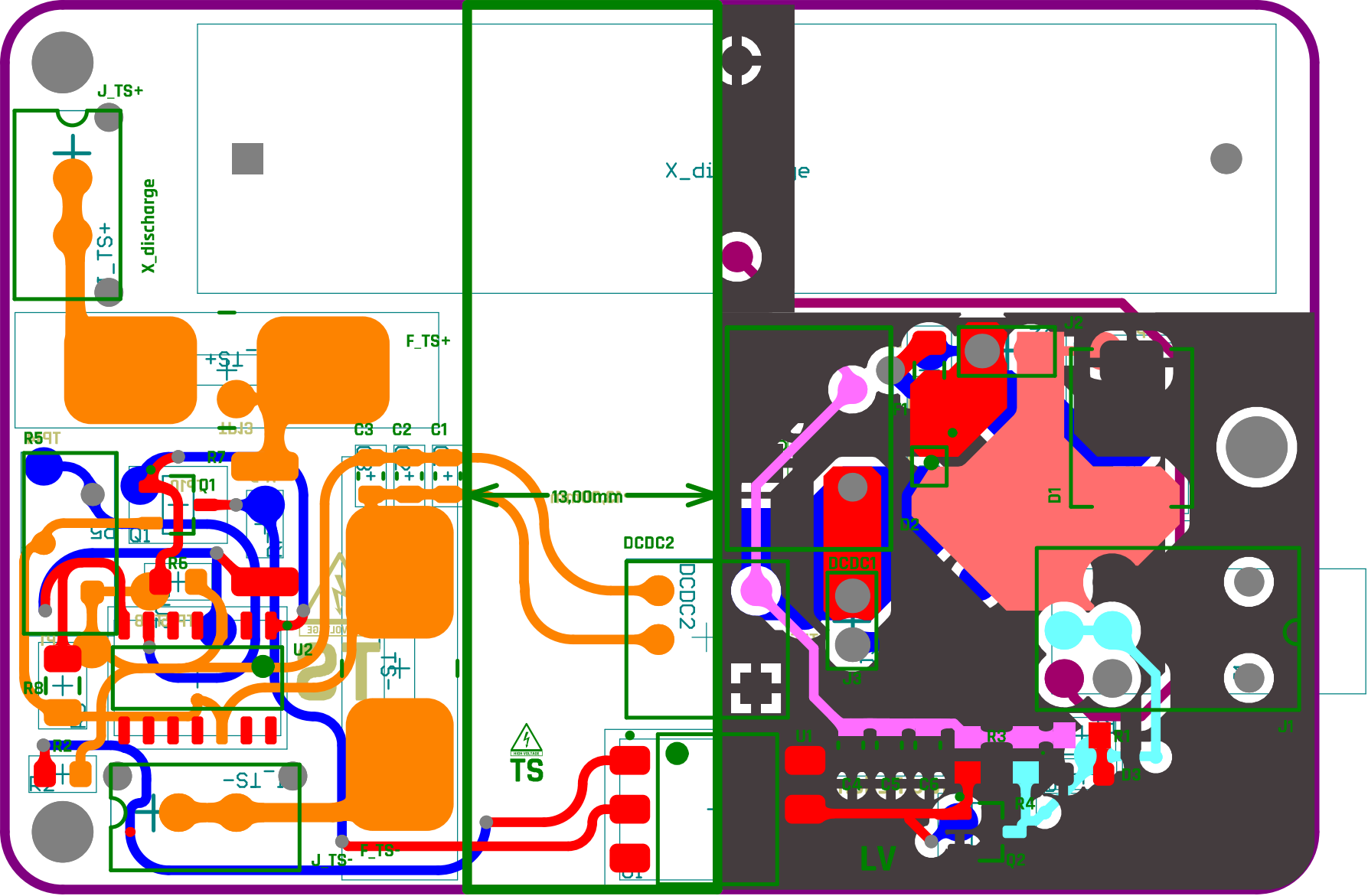


**Cyan: External signal**  
**Orange: High Voltage**  
**Red: Untreated supply**  
**Pink: Treated supply**

This PCB is intended to be used inside a TS enclosure, and monitors the TS voltage. **Inv\_Red\_ON** is a signal to be input to TSAL Control so it can control the red light. It is manufactured and installed twice, one in each inverter housing for the 2023 car.

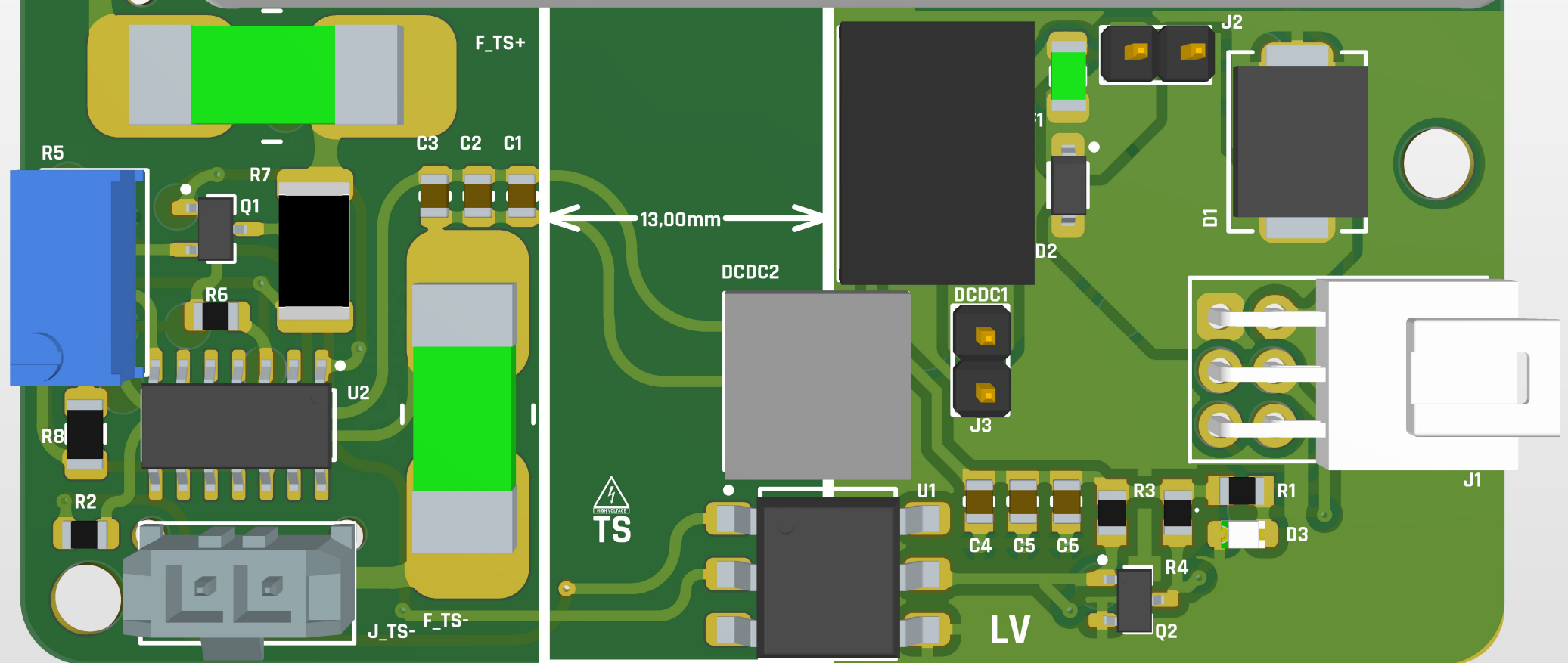


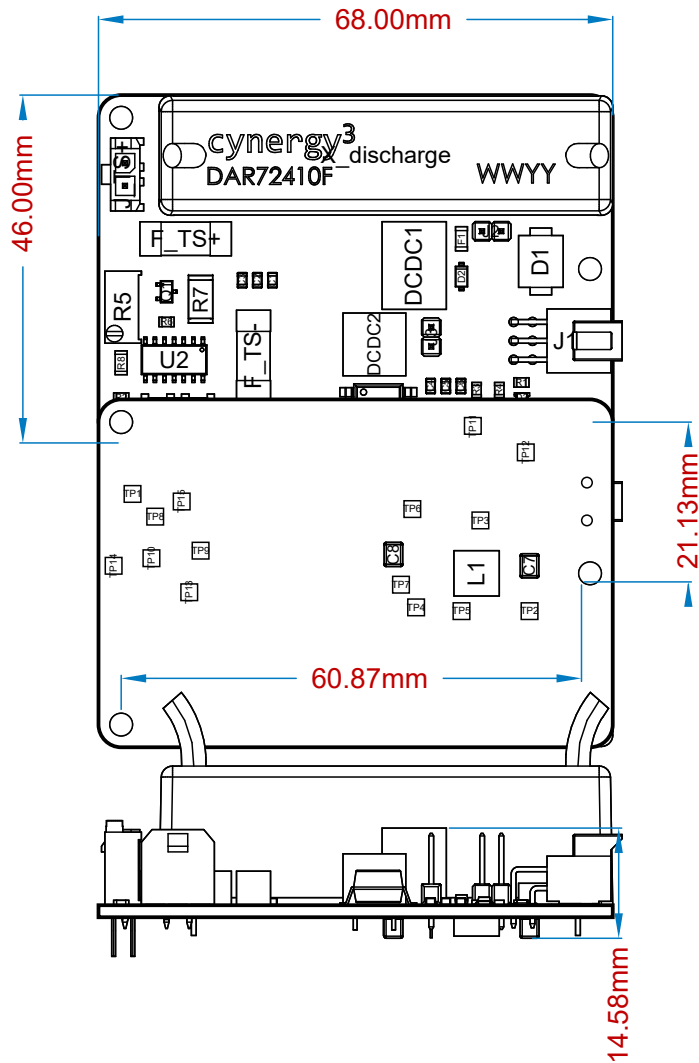
<b>Company:</b> e-Tech Racing Car79 e-techracing.es		
<b>Project:</b> TSAL_Inverters <b>Variant:</b> [No Variations]		
<b>Size:</b> -	<b>Page Contents:</b> TSAL_Inverters.SchDoc	<b>Version:</b> 1.0
		<b>Department:</b> Powertrain
<b>Author:</b> David Redondo dredondovinolo@gmail.com		<b>Sheet</b> 1 <b>of</b> 1
<b>Checked by:</b> David Redondo UPC EEBE BARCELONA		<b>Date:</b> 31/03/2023



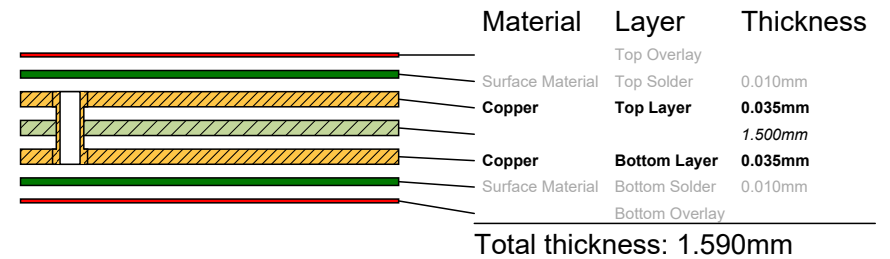
**cynergy<sup>3</sup>**  
DAR72410F

WWYY





Designator	Name	Quantity
C1, C4	885012207092	2
C2, C5	885012207098	2
C3, C6	885012207103	2
C7, C8	GRJ32ER71H106KE11L	2
D1	824551301	1
D2	MBR0530	1
D3	150080VS75000	1
DCDC1	173951236	1
DCDC2	RNM-1205S/P	1
F1	0437001.WRA	1
F_TS-, F_TS+	485001	2
J1	J NanoFit 2x3	1
J2, J3	61300211121	2
J_TS-, J_TS+	436500215	2
L1	CDC5D23BNP-470KC	1
Q1, Q2	SQ2318BES-T1_GE3	2
R1, R2	CR0805-JW-102ELF	2
R3, R4, R6	CR0805-JW-103ELF	3
R5	3296W-1-103LF	1
R7	R2M-2512FTK	1
R8	CRCW120610K0FKEA	1
U1	4N35	1
U2	LM339D	1
X_discharge	DBR72410FU	1



# TSAL Inverters