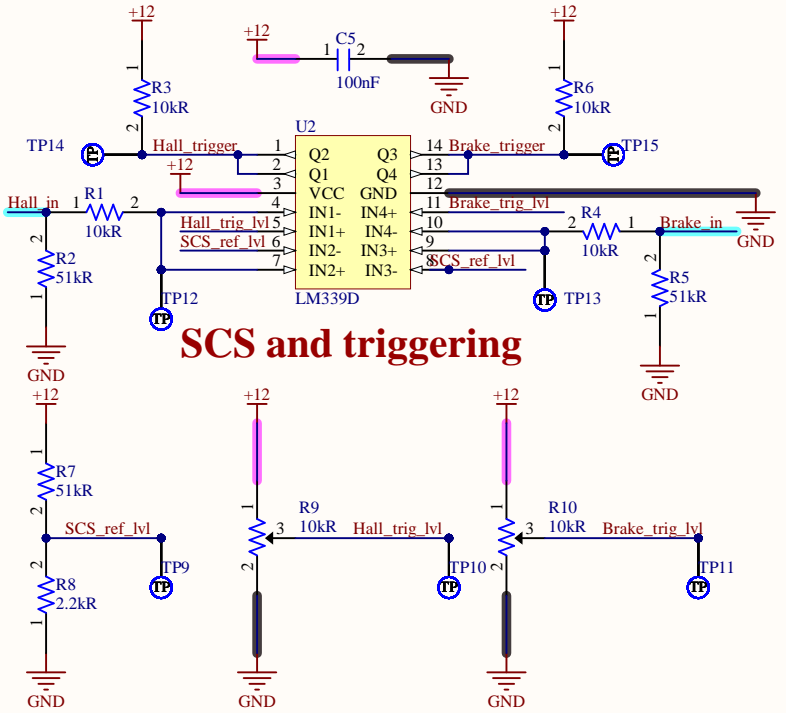
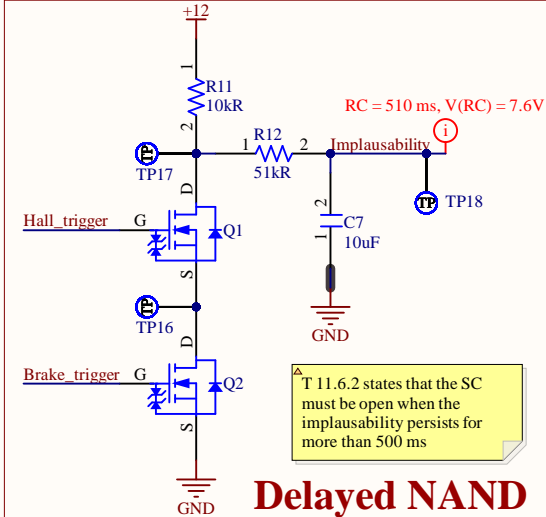


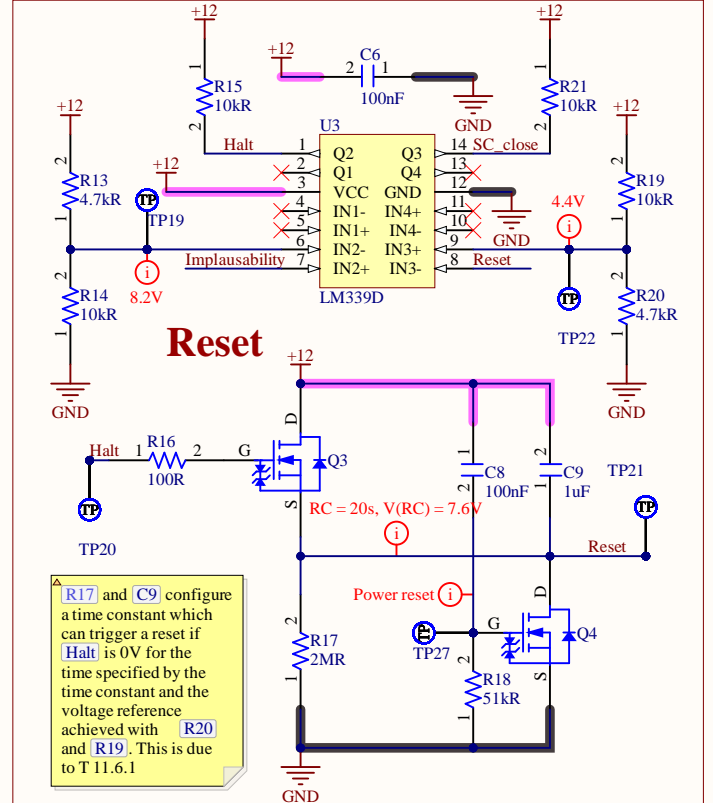
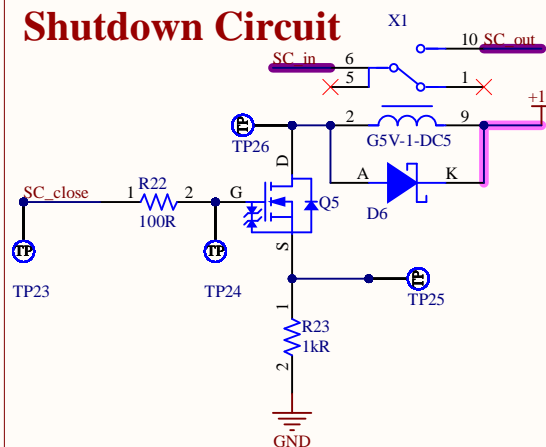
Red: Untreated supply
Cyan: External signal
Pink: Treated supply
Purple: Shutdown chain



The BSPD can handle 0-5V inputs. If one of the sensors' signals is 0V, it will cause the Shutdown Circuit to be open because they both are SCS. the trigger level for each signal is configured with R9 and R10.

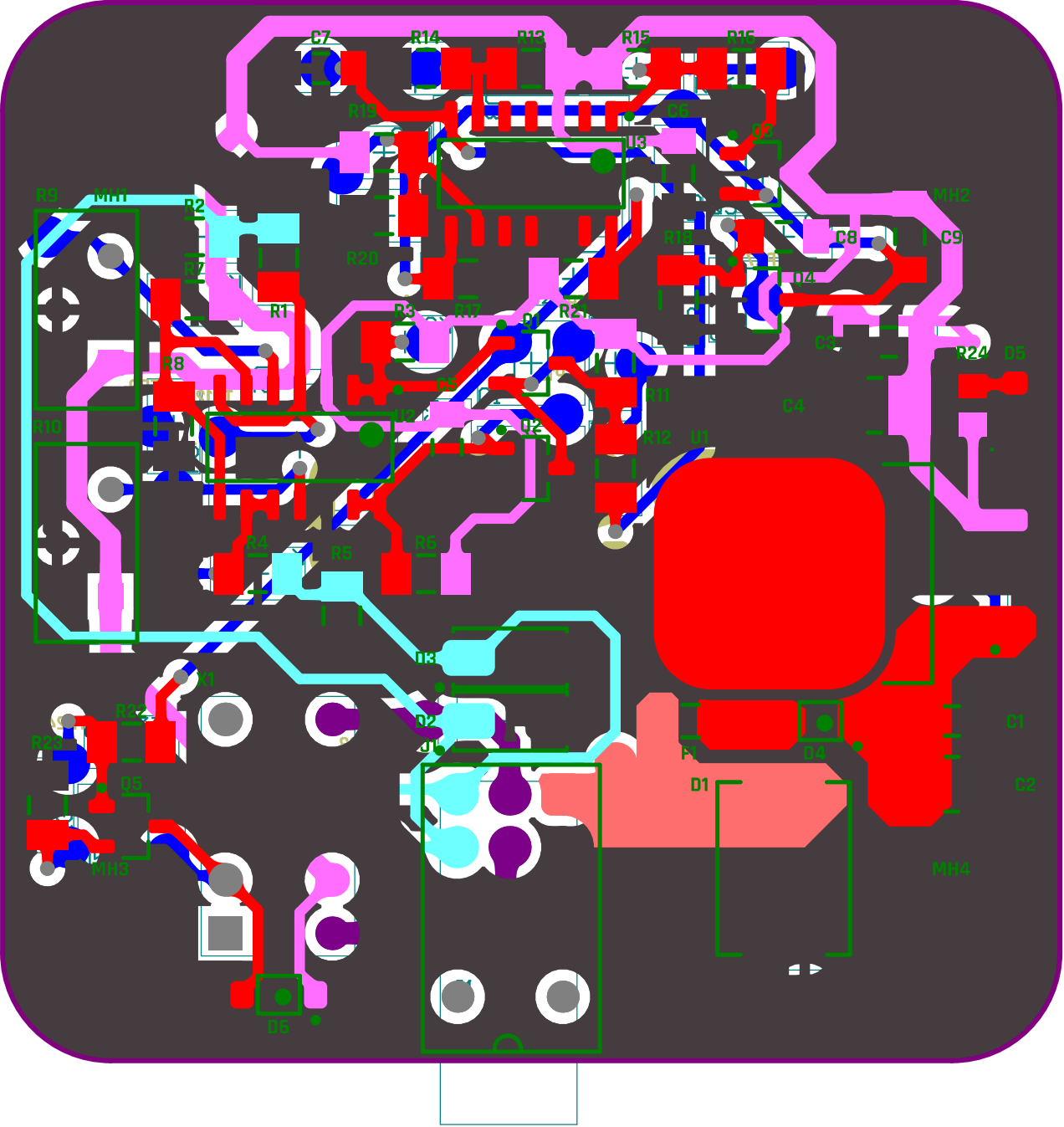


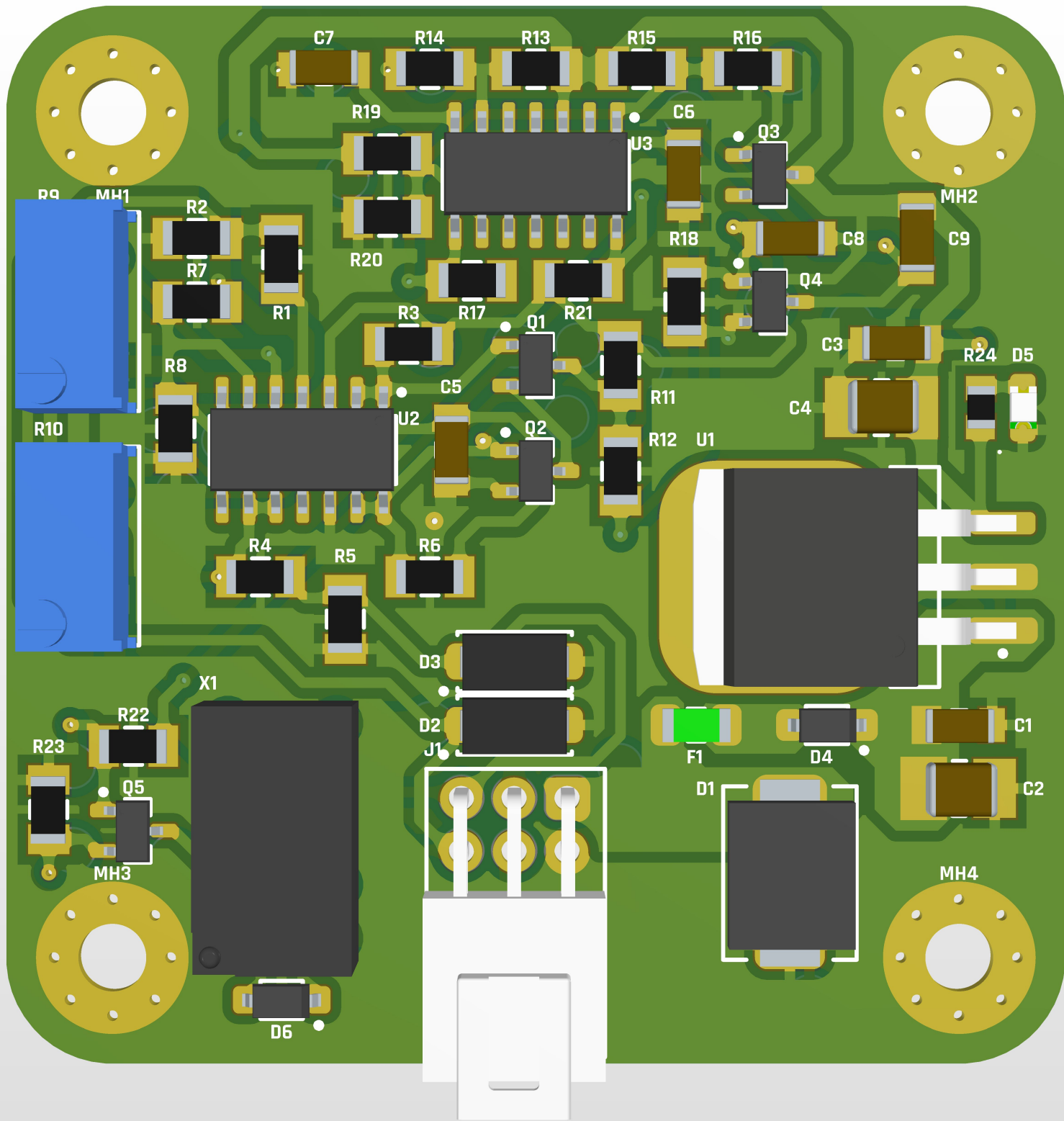
T 11.6.2 states that the SC must be open when the implausibility persists for more than 500 ms

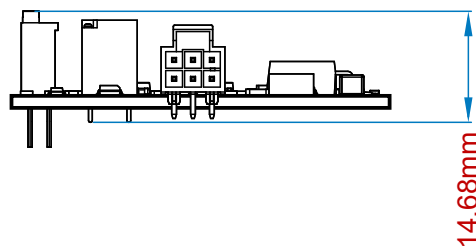
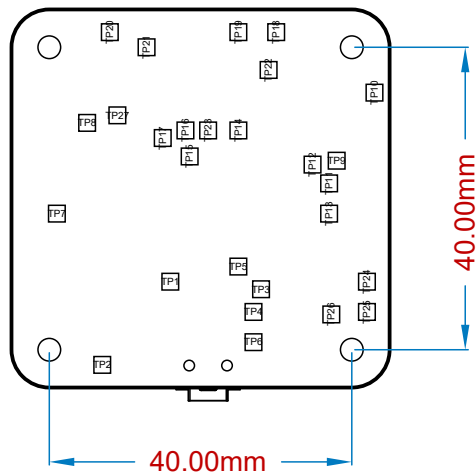
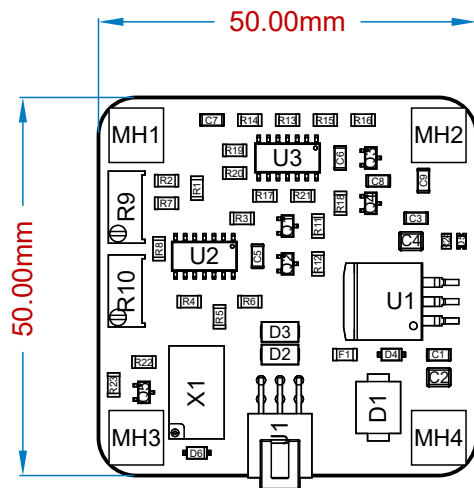


R17 and C9 configure a time constant which can trigger a reset if Halt is 0V for the time specified by the time constant and the voltage reference achieved with R20 and R19. This is due to T 11.6.1

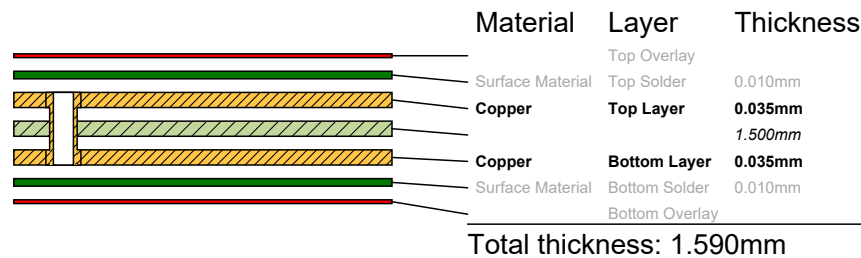
Company: e-Tech Racing		e-techracing.es		
Project: BSPD		Variant: [No Variations]		
Size:	Page Contents: BSPD.SchDoc			Version: 2.0
-				Department: PCBs
Author: David Redondo dredondovinolo@gmail.com				Sheet 1 of 1
Checked by: David Redondo				Date: 11/12/2022







Designator	Name	Quantity
C1, C3	885012008055	2
C2, C4	GRJ32ER71H106KE11L	2
C5, C6, C8	885012208058	3
C7	885012208018	1
C9	885012208036	1
D1	824551301	1
D2, D3	824501600	2
D4, D6	MBR0530	2
D5	150080VS75000	1
F1	0437001.WRA	1
J1	J_NanoFit_2x3	1
MH1, MH2, MH3, MH4	Mounting_Hole_M3	4
Q1, Q2, Q3, Q4, Q5	CPH3455-TL-H	5
R1, R3, R4, R6, R11, R14, R15, R19, R21	CRCW120610K0FKEA	9
R2, R5, R7, R12, R18	CRCW120610K0FKEA	5
R8	CR1206-FX-2201ELF	1
R9, R10	3296W-1-103LF	2
R13, R20	CRS1206-FX-4701ELF	2
R16, R22	CRG1206F100R	2
R17	HVC1206-2M0FT3	1
R23	ERJT08J102V	1
R24	CR0805-JW-102ELF	1
U1	LM340S-12/NOPB	1
U2, U3	LM339D	2
X1	G5V-1-DC5	1



BSPD