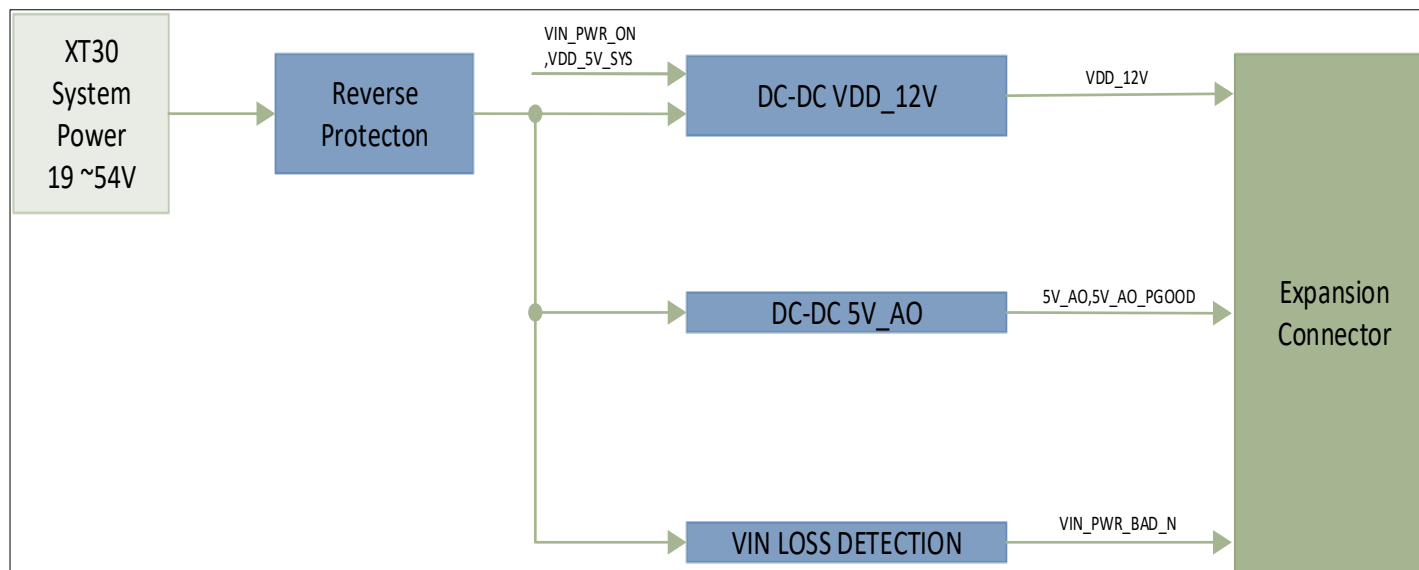


Power board for reComputer Mini J501

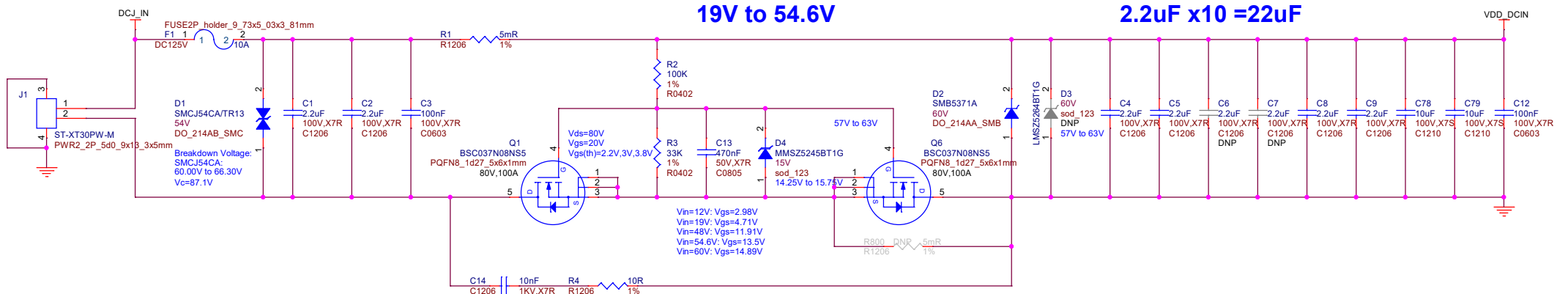
Revision History

SHEET	SHEET NAME
01	Table of Contents
02	Block Diagram
03	Power In
04	DCDC 12V, 5V

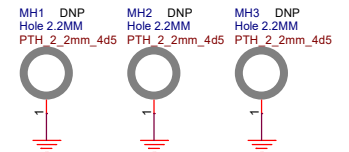
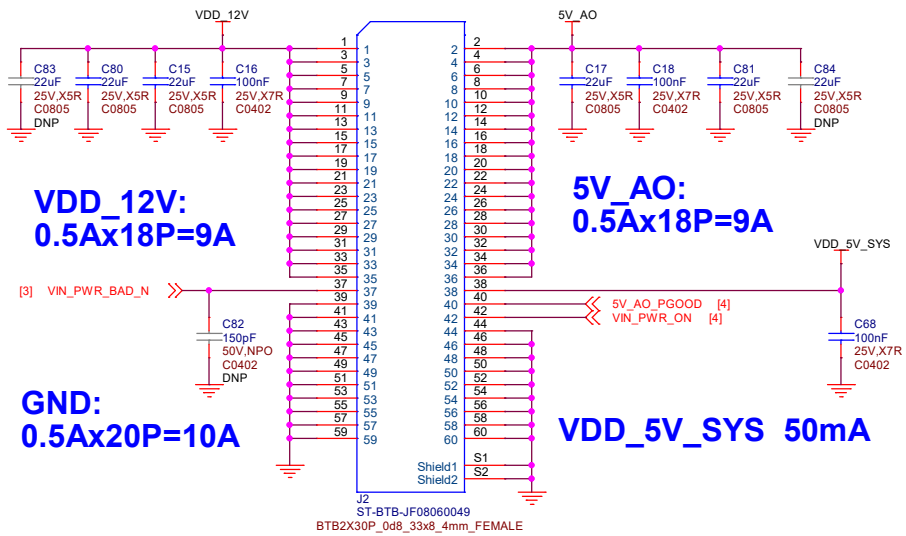
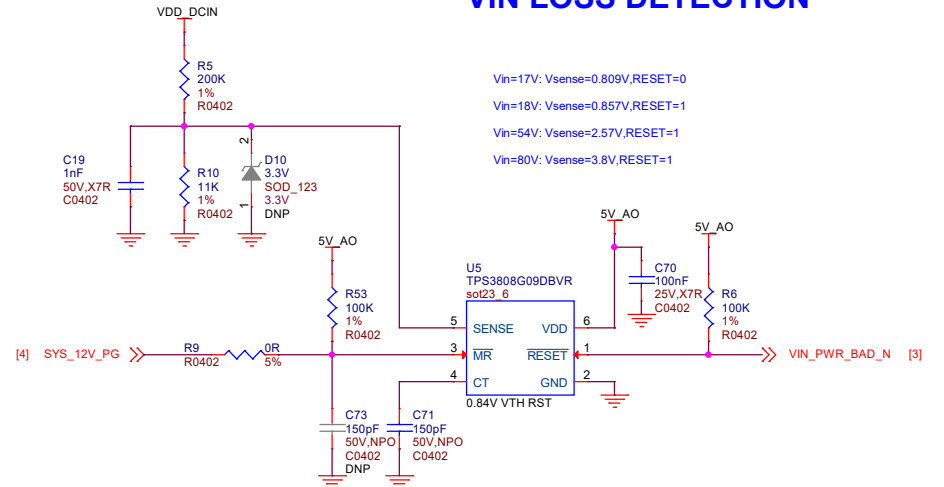
VER	DATE	REVISION	DESCRIPTION
v1.0	26/08/2025	Power board for reComputer Mini J501_Rev1.0	Initial Version.



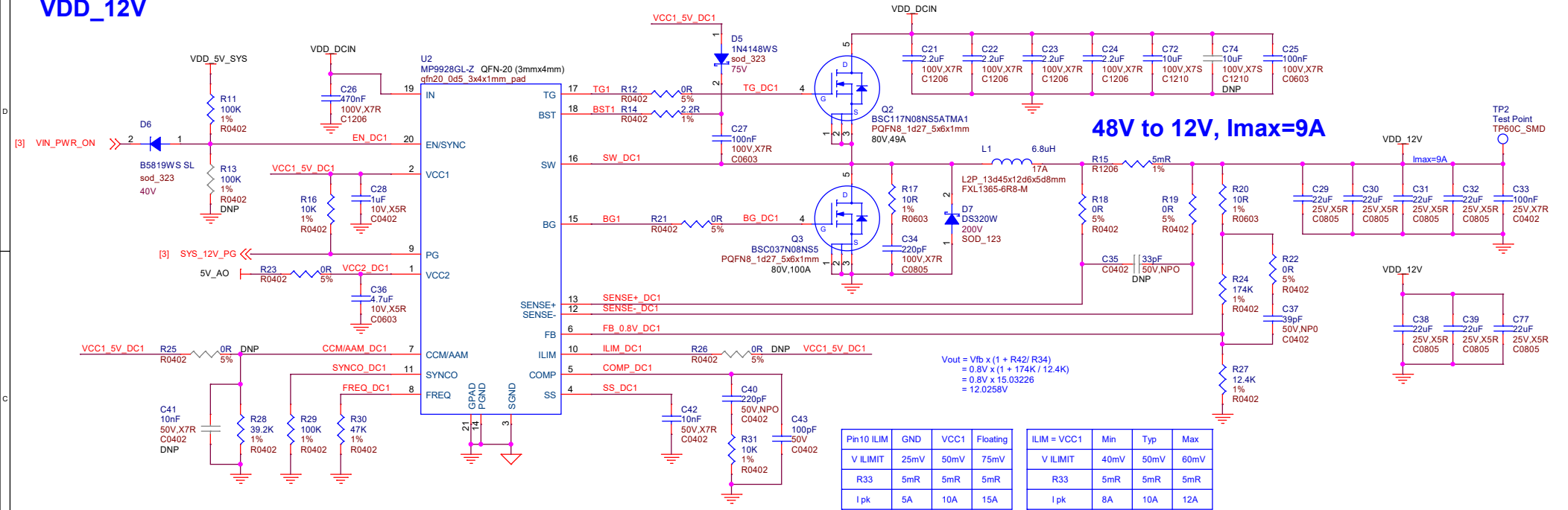
Vin protection



VIN LOSS DETECTION



VDD_12V



5V_AO

Pin20 Enable Control Pin:
 VIN UVLO: VDD_DCIN=Ven*(1+R9/R5)

Rising: VDD_DCIN = Ven*(1+R9/R5)
 $= 1.22V \times (1 + 100K/9.1K)$
 $= 14.8268V$

Falling: VDD_DCIN = Ven*(1+R9/R5)
 $= 1.09V \times (1 + 100K/9.1K)$
 $= 13.068V$

