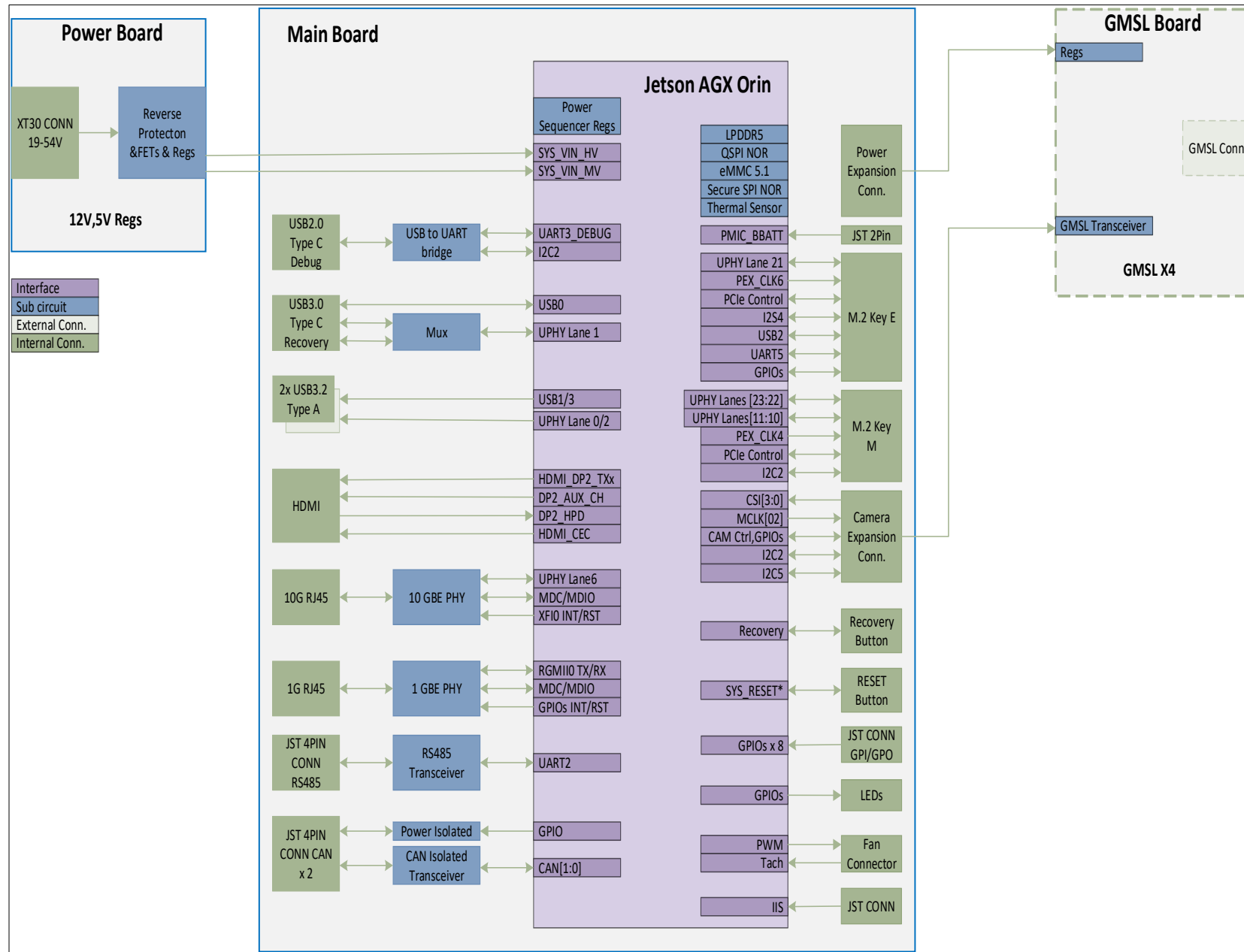


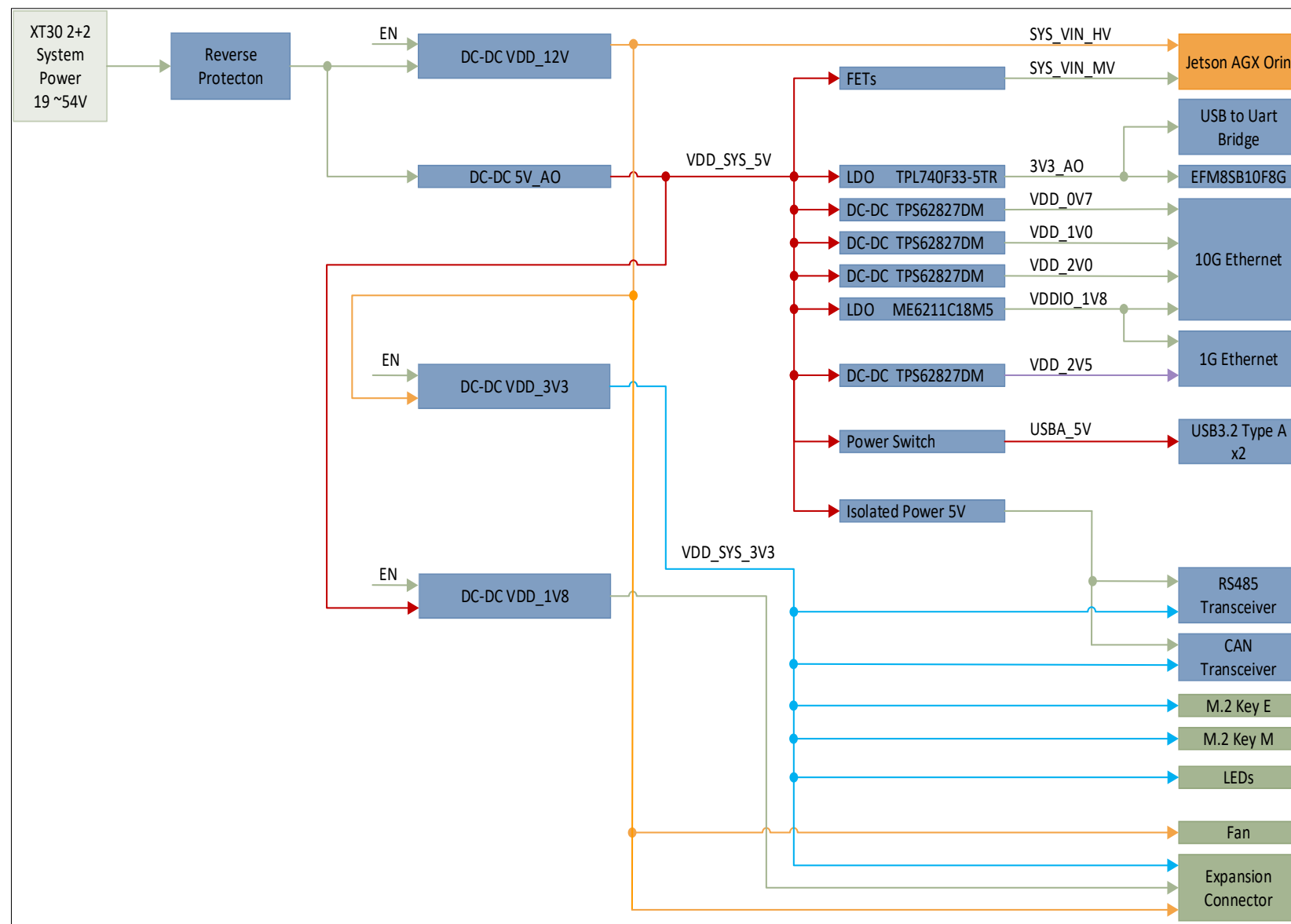
Schematic: reComputer Mini J501 Carrier Board

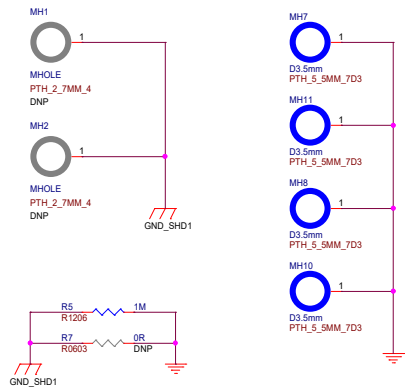
Revision History

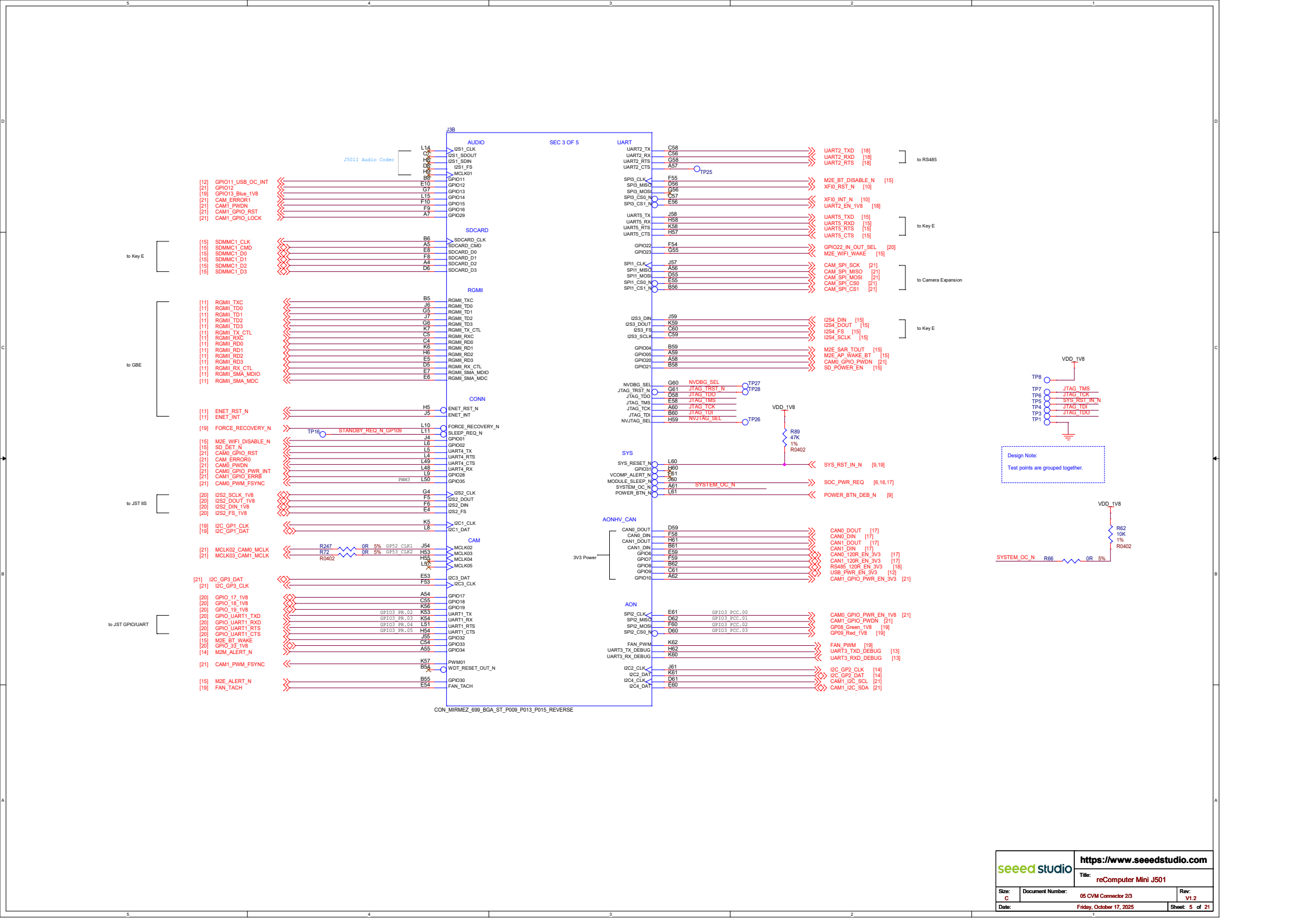
SHEET	SHEET NAME
01	Table of Contents
02	Block Diagram
03	Power Tree
04	CVM Connector 1/3
05	CVM Connector 2/3
06	CVM Connector 3/3
07	Power Vin 5V 3V3_AO 1V8 0V7
08	Power 1V 2V5 2V0 1V8
09	Button MCU For Power Up
10	10G Ethernet
11	Gigabit Ethernet
12	USB3.2 Type-A x2 (A)
13	TYPE C & Debug UART
14	M.2 KEY-M (NVME)
15	M.2 KEY-E (WIFI/BT)
16	HDMI
17	Orin CAN, Isolated 5V
18	RS485
19	Fan, EEPROM, Debug
20	GPI_GPO JST CONN
21	Camera Expansion

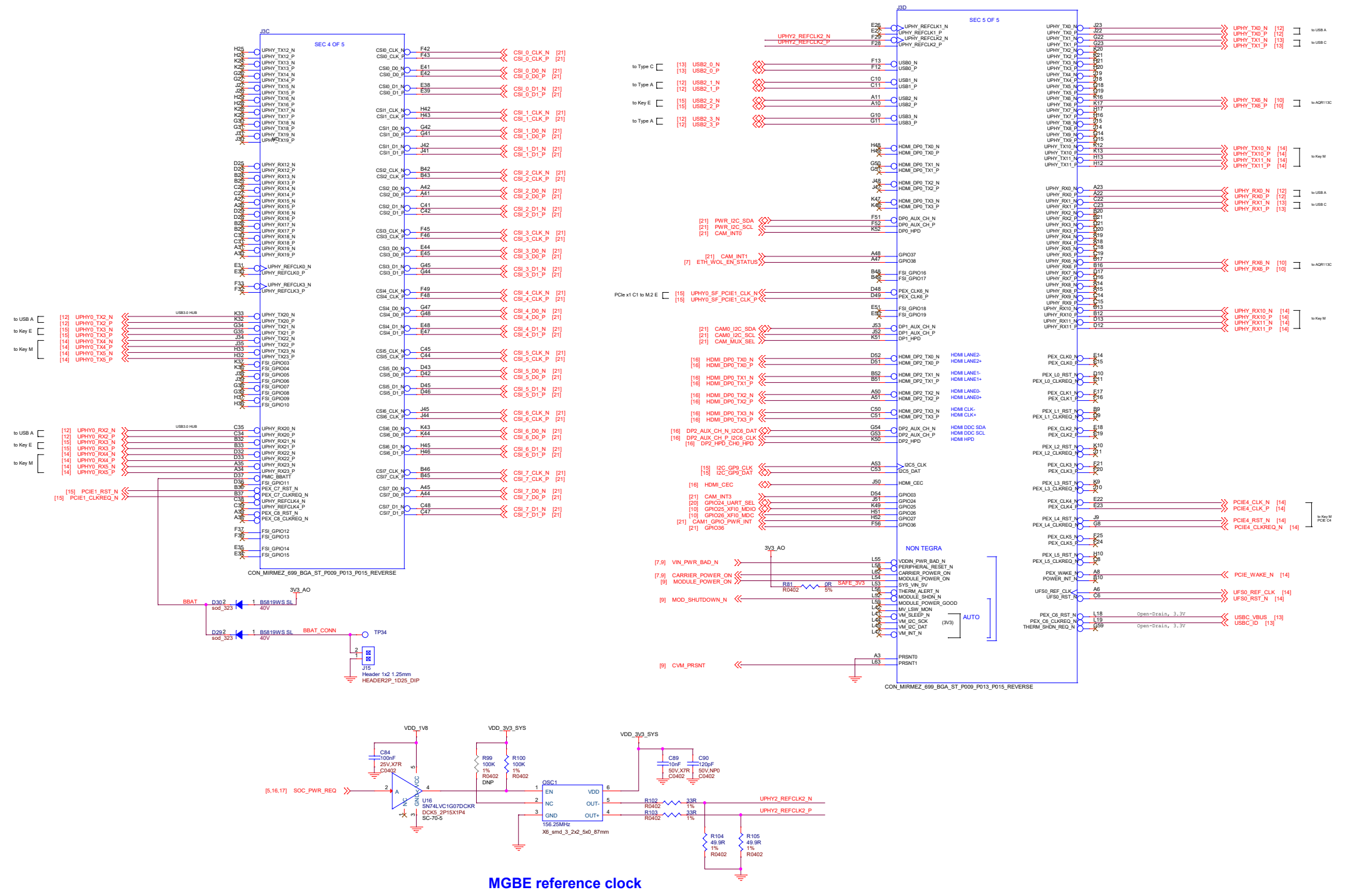
VER	DATE	REVISION	DESCRIPTION
V1.0	18/08/2025	reComputer Mini J501 Carrier Board_Rev1.0	Initial Version.

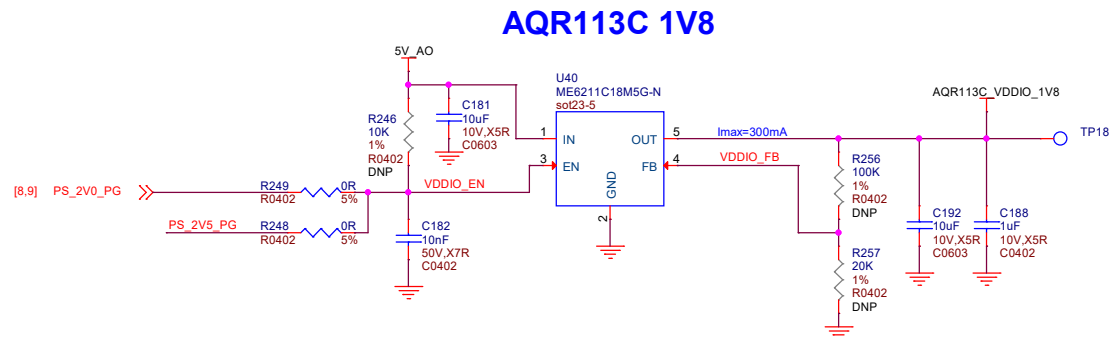
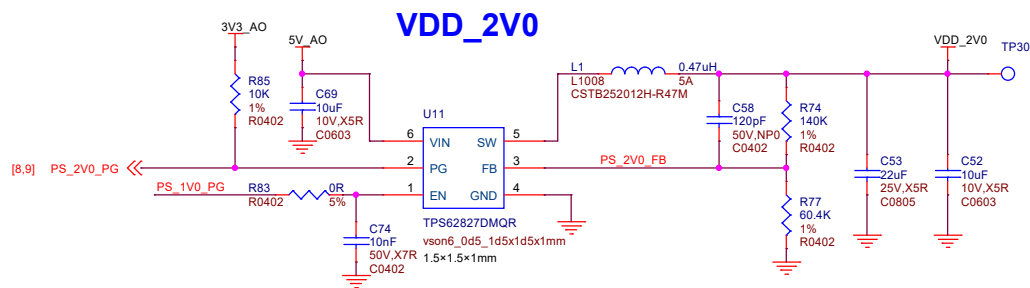
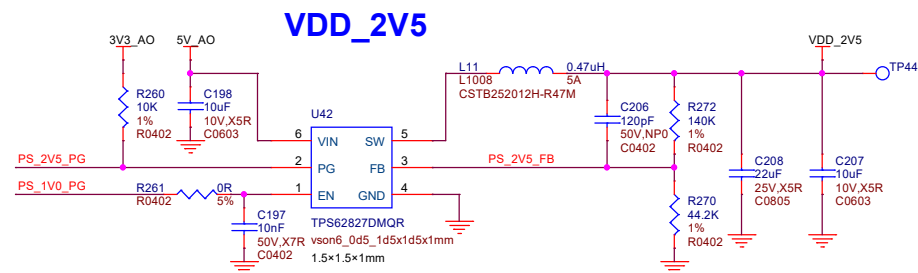
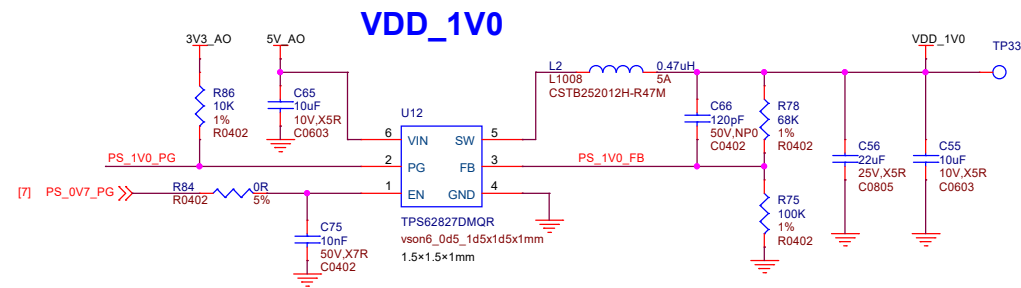




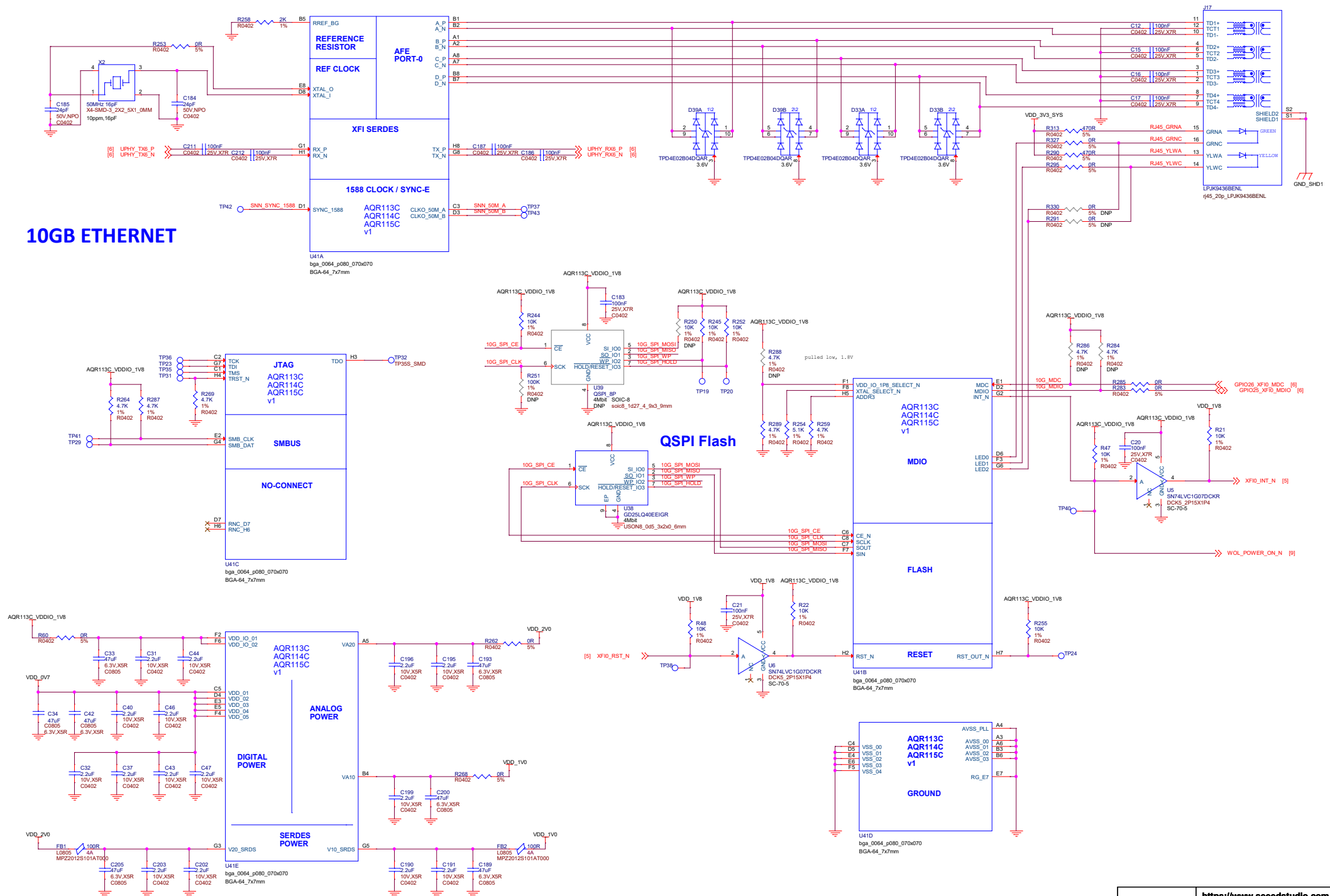




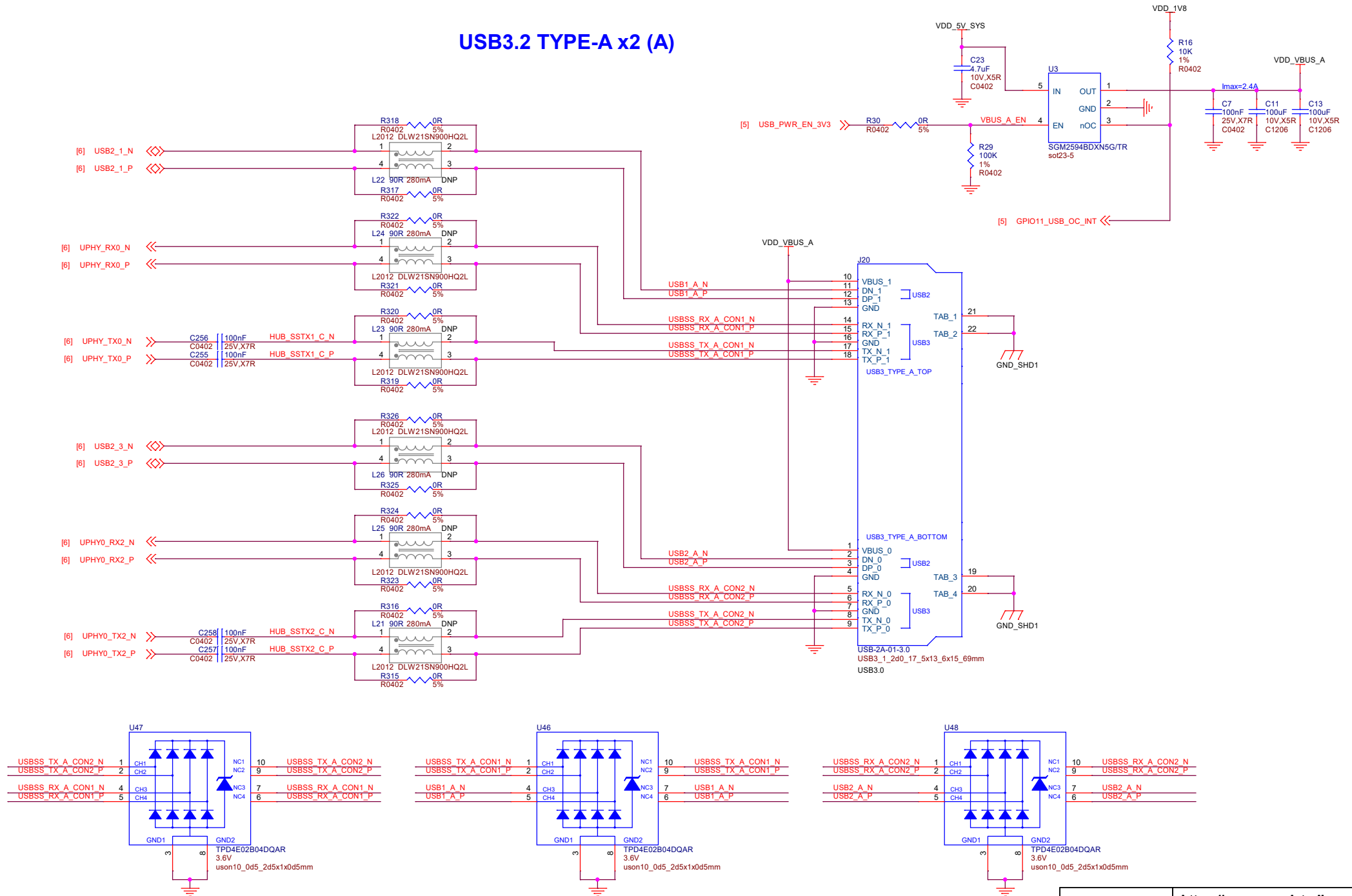




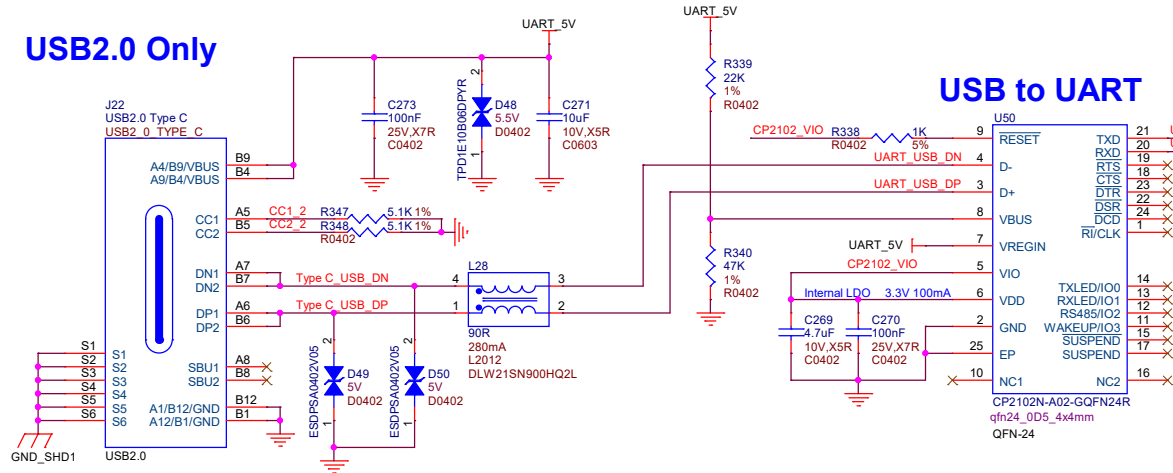
10GB ETHERNET



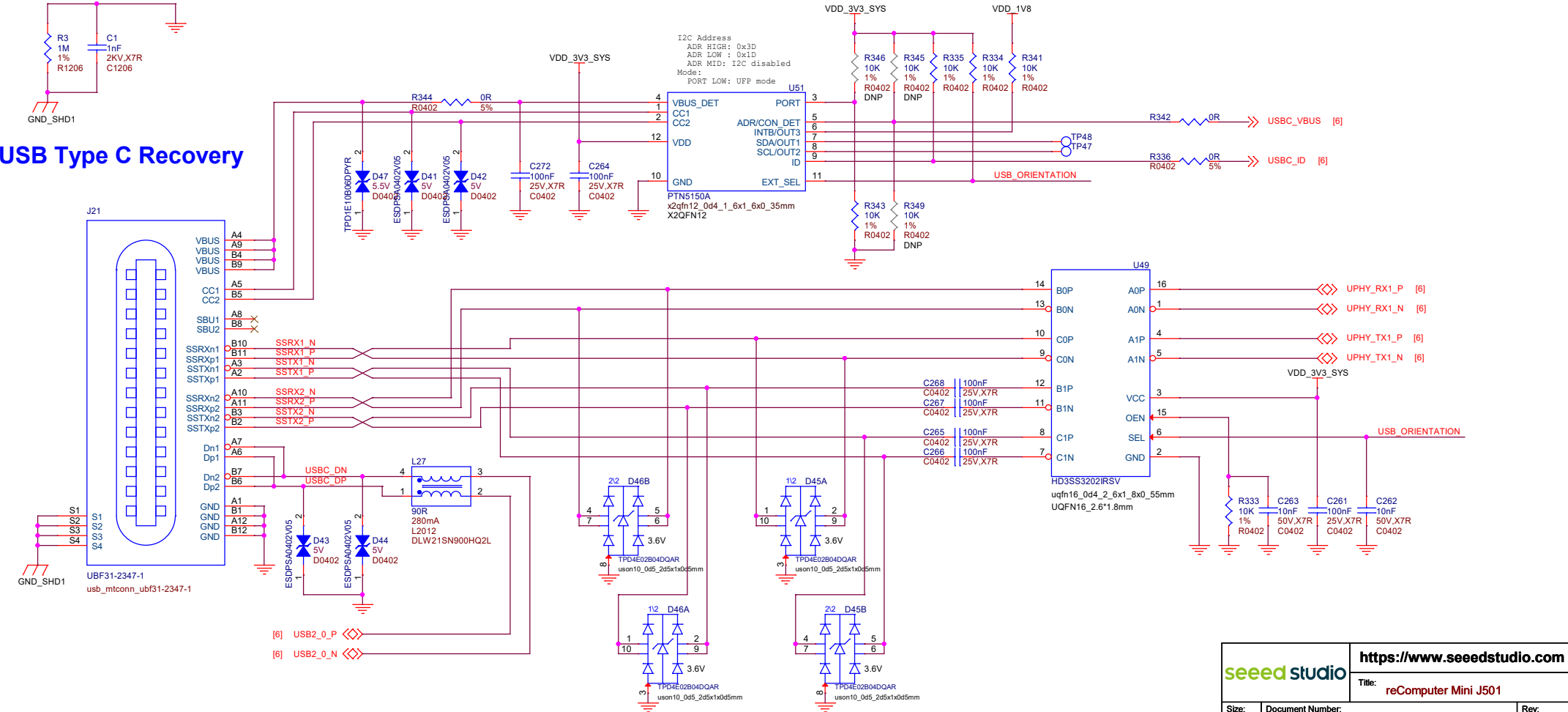
USB3.2 TYPE-A x2 (A)



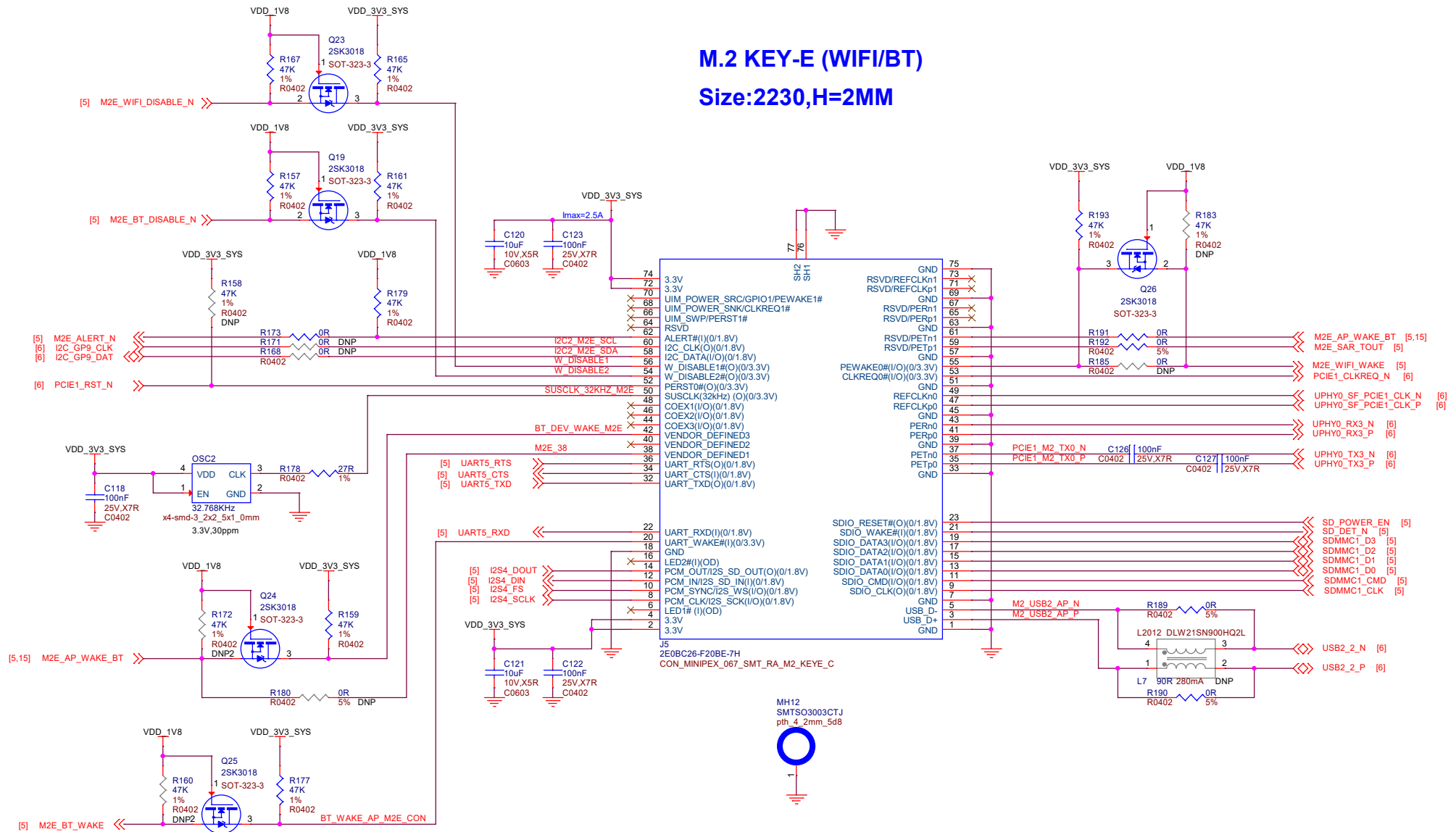
USB2.0 Only



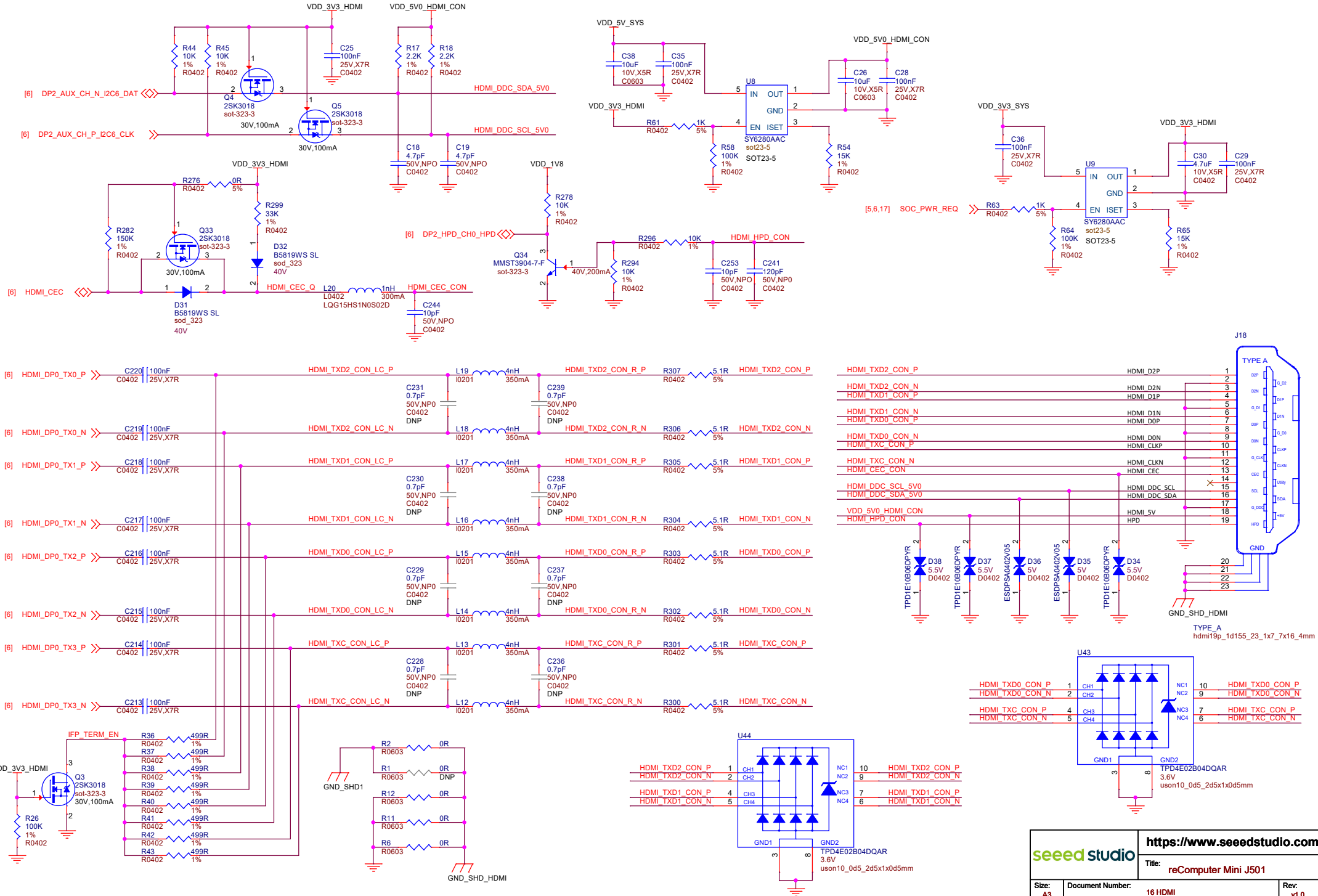
USB Type C Recovery



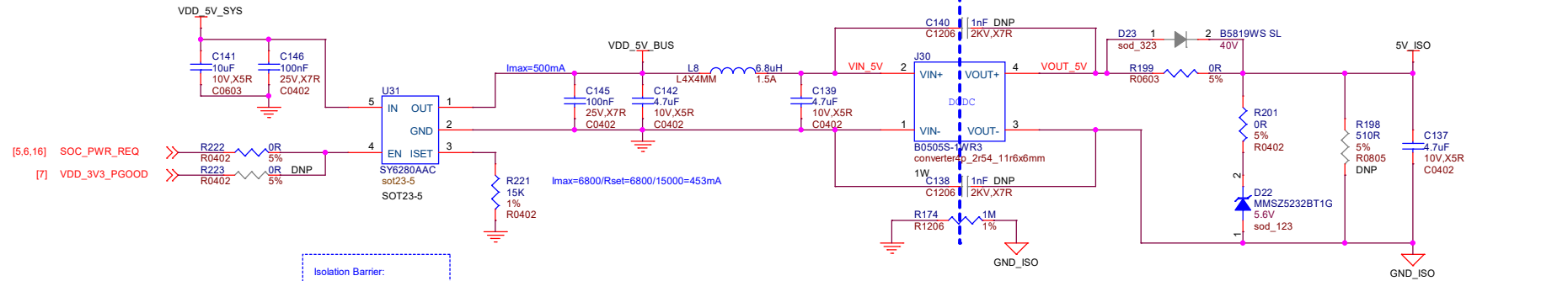
Size:2230,H=2MM



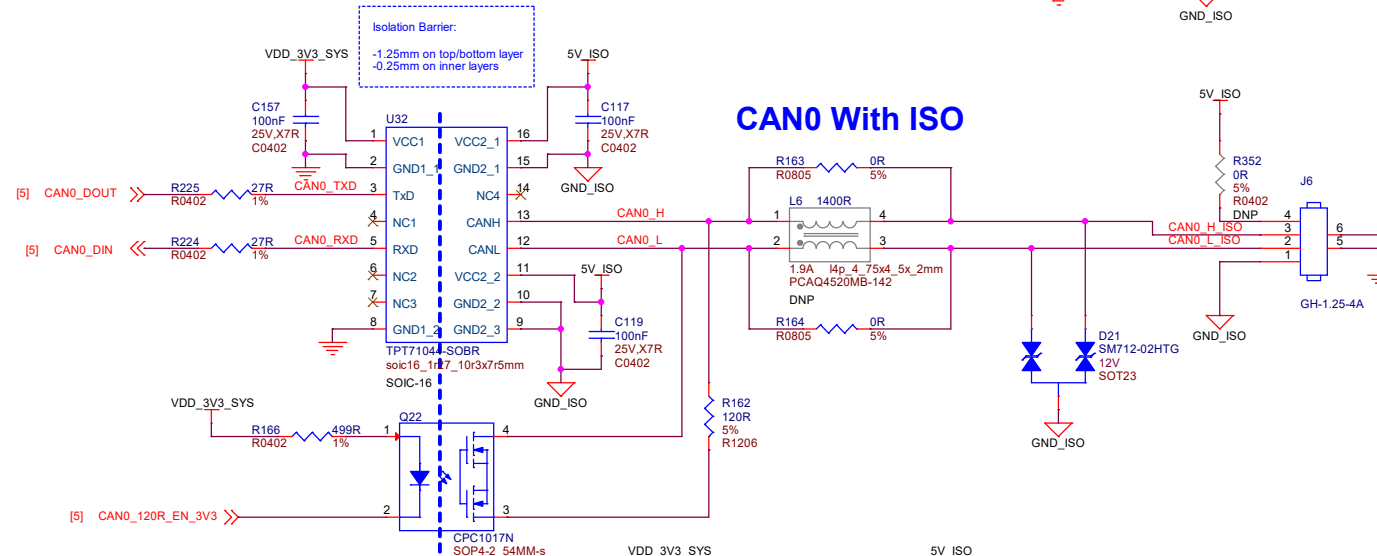
HDMI Connector



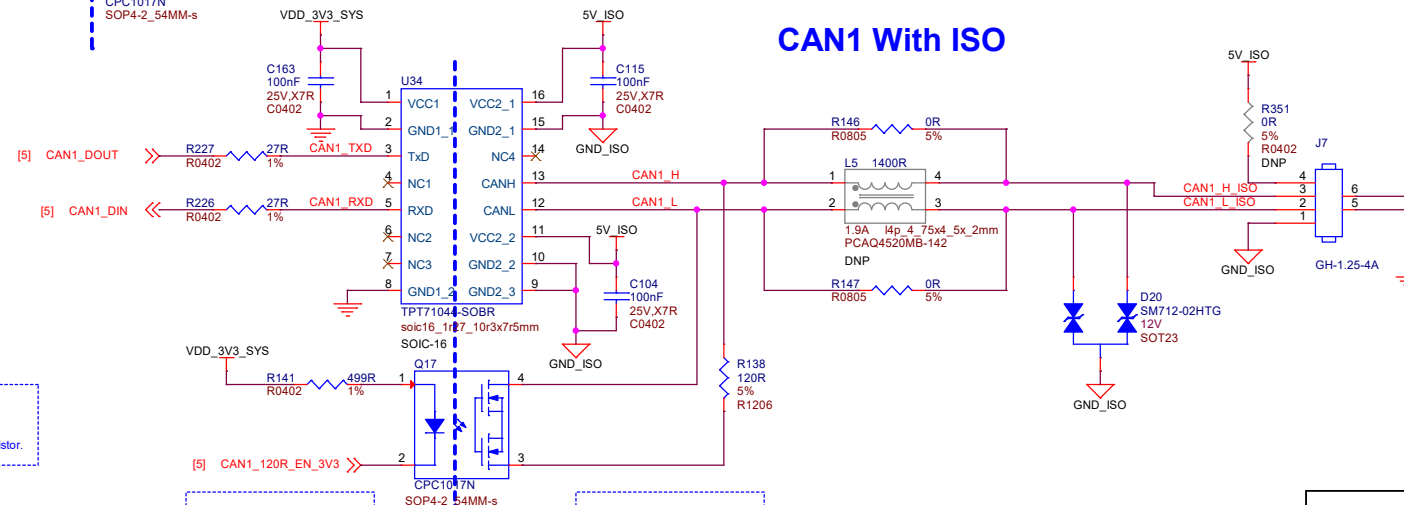
Isolated DCDC 5V to 5V

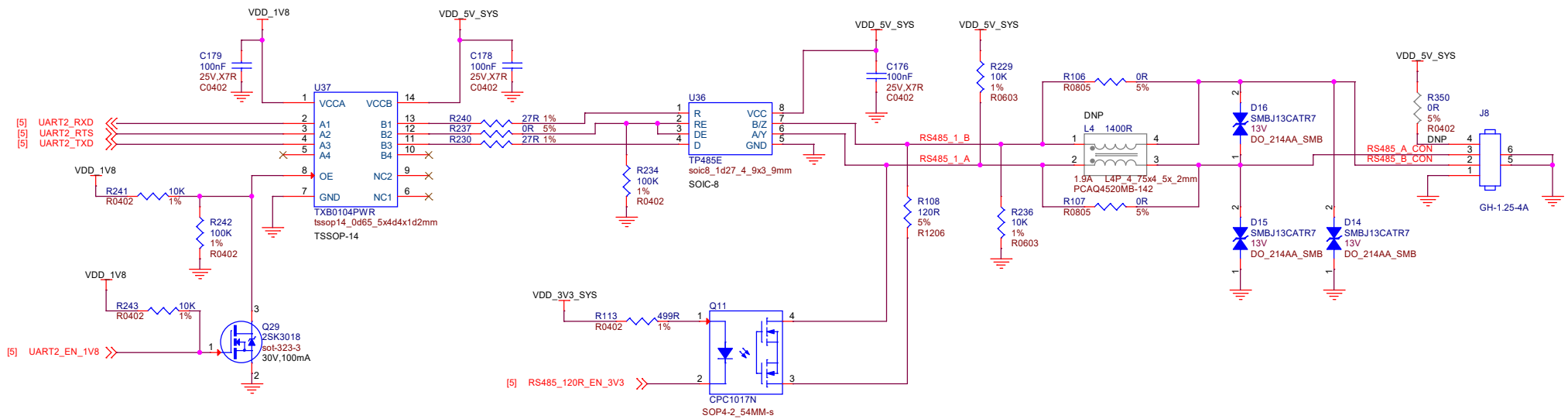


CAN0 With ISO



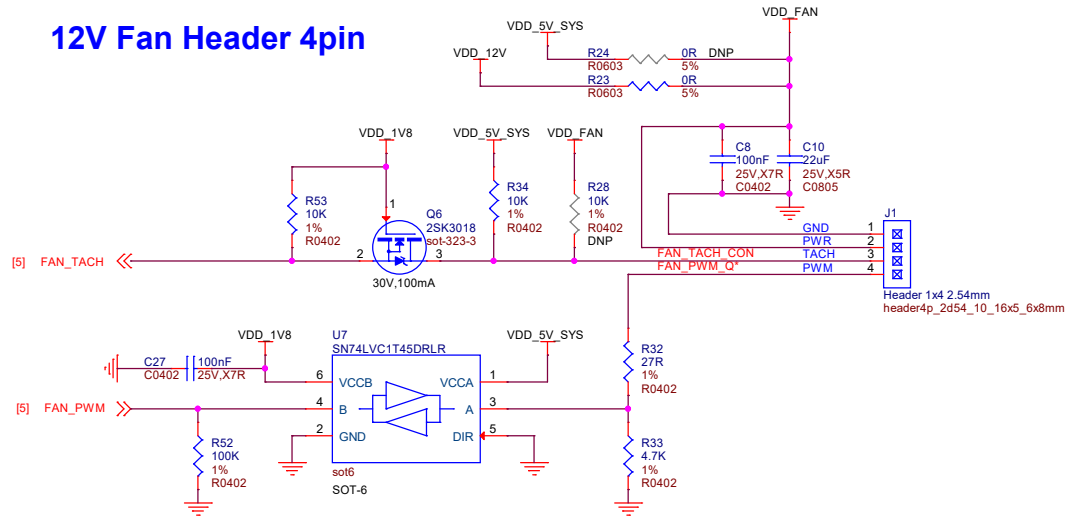
CAN1 With ISO



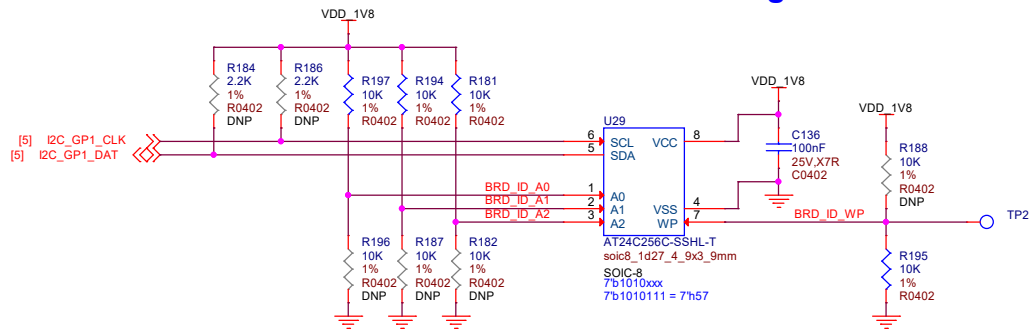


Isolation Barrier:
-1.25mm on top/bottom layer
-0.25mm on inner layers

12V Fan Header 4pin



Carrier Board Config



Button

