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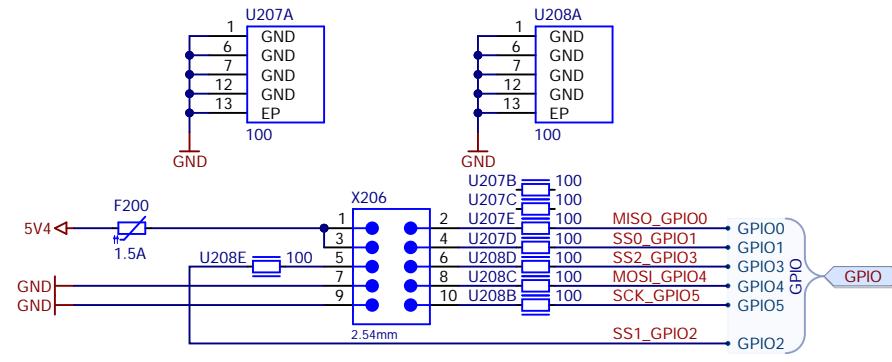
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### GPIO-Connector



<b>Title</b>		<b>PrecisionWave AG</b>	
Project		Dammstrasse 1 4500 Solothurn Switzerland	
Dexter		Date 22.02.2022	
Author	Tobias Batt	Version	2
File	02_03_GPIO-Conn.SchDoc	Time	18:18:34
Hash	6b1e0a2	Size	A4
		Revision	A
		Sheet	3 of 13



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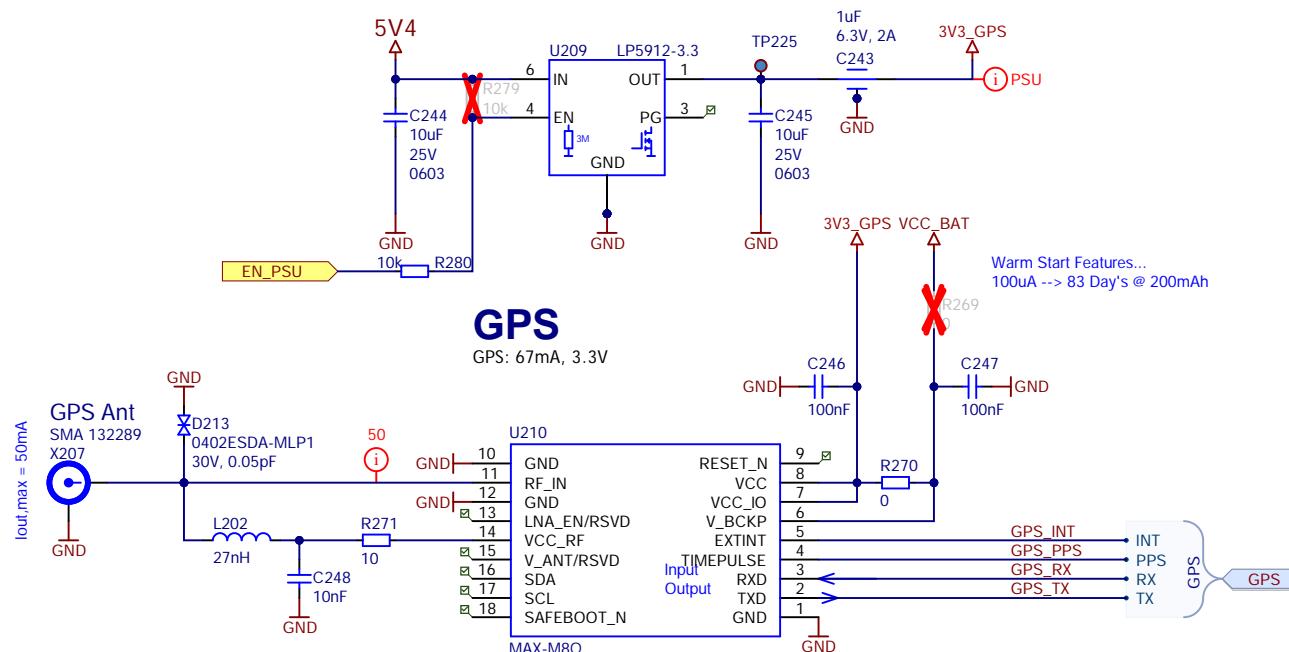
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Title	GPS		PrecisionWave AG
Project	Dexter		Dammstrasse 1
Author	Tobias Batt	Version	2
Date	22.02.2022		4500 Solothurn
Time	18:18:34		Switzerland
File	02_04_GPS.SchDoc		Size A4
Hash	6b1e0a2		Revision A of 13

PrecisionWave  
Swiss RF Solutions

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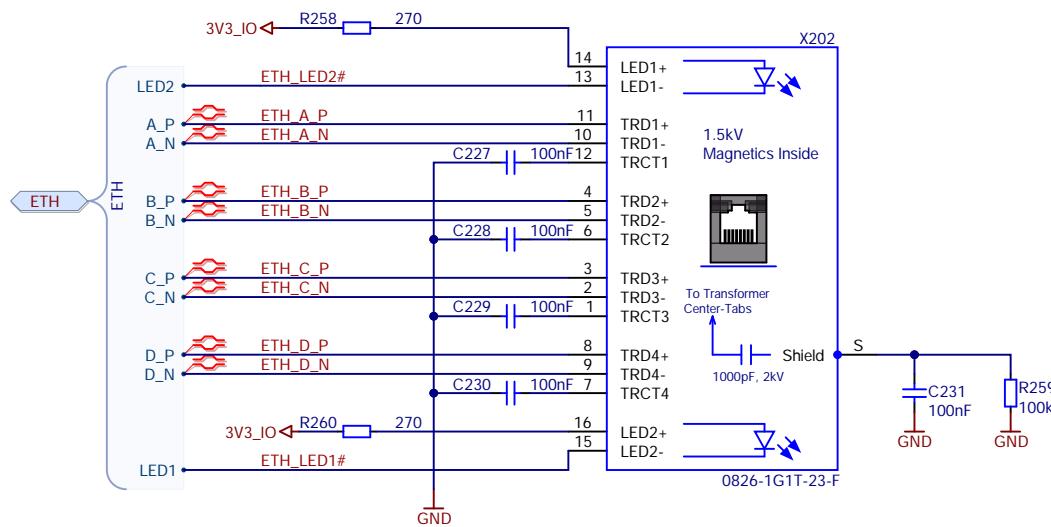
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Gbit Ethernet Connector, with Magnetics  
! ETHERNET PHY should correct for polarity swap (KSZ9031RNXIA does)

RJ45.1 > DA+  
RJ45.2 > DA-  
  
RJ45.3 > DB+  
RJ45.6 > DB-  
  
RJ45.4 > DC+  
RJ45.5 > DC-  
  
RJ45.7 > DD+  
RJ45.8 > DD-



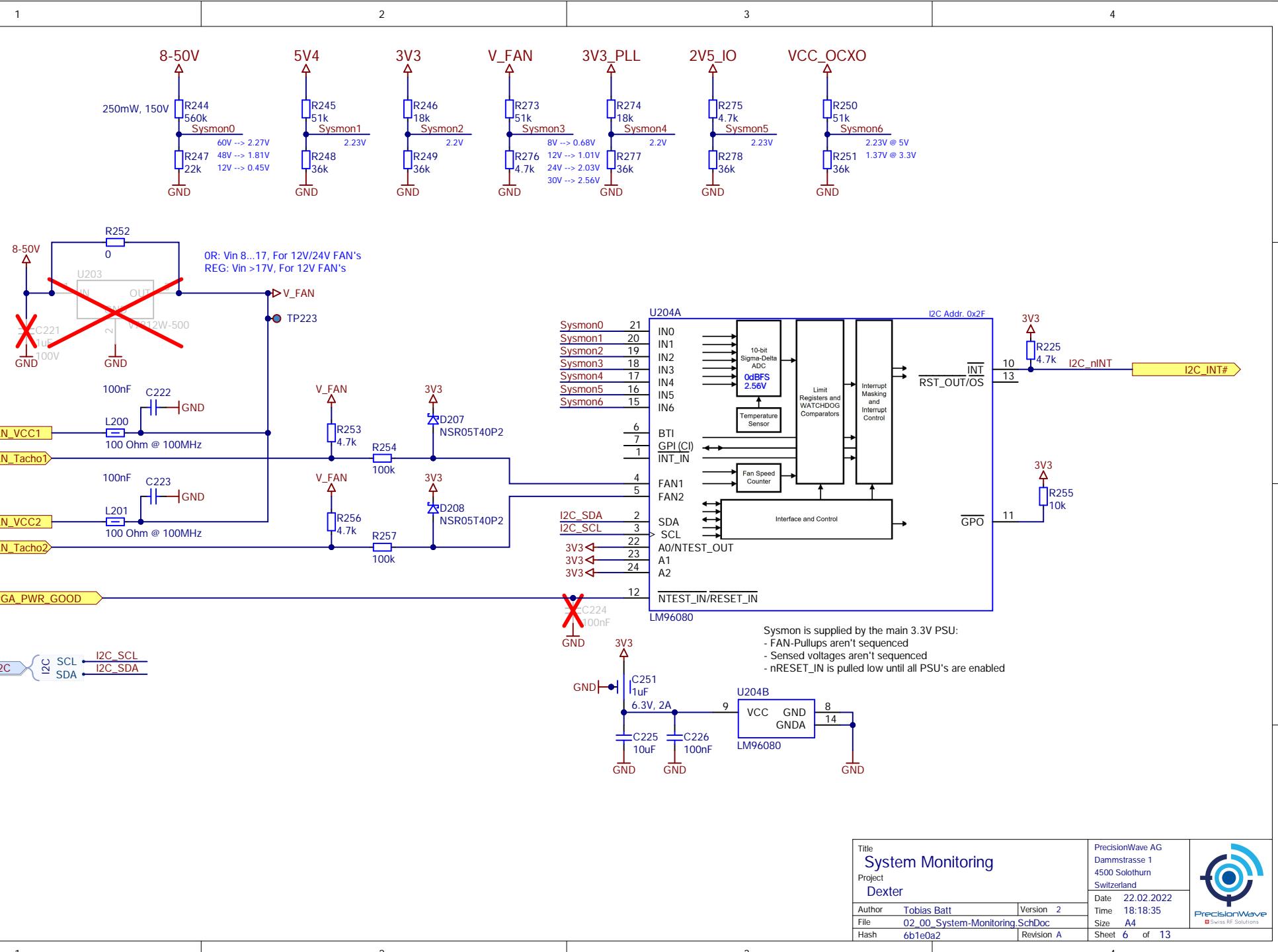
### Ethernet Connector

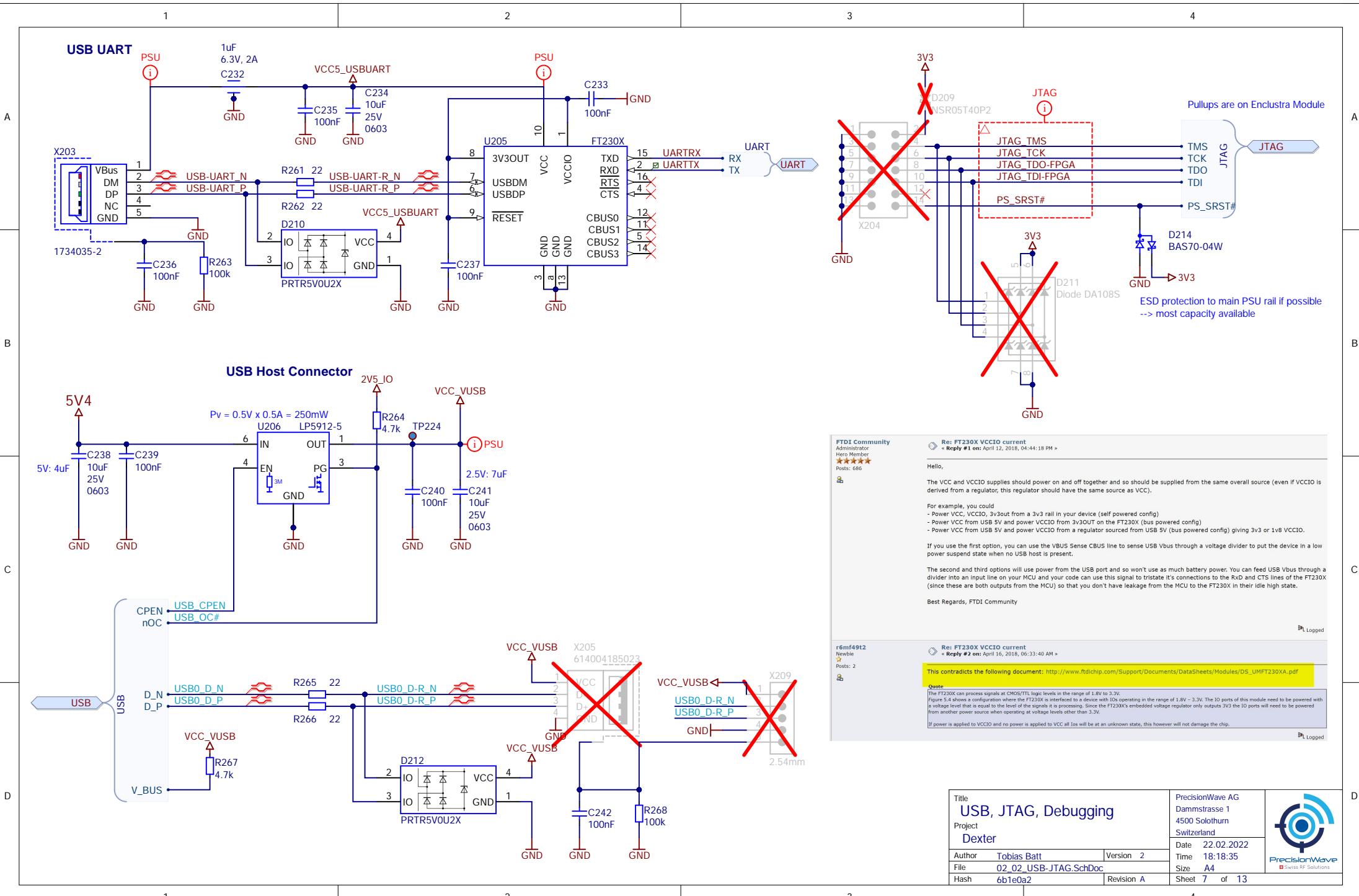
Project  
Dexter

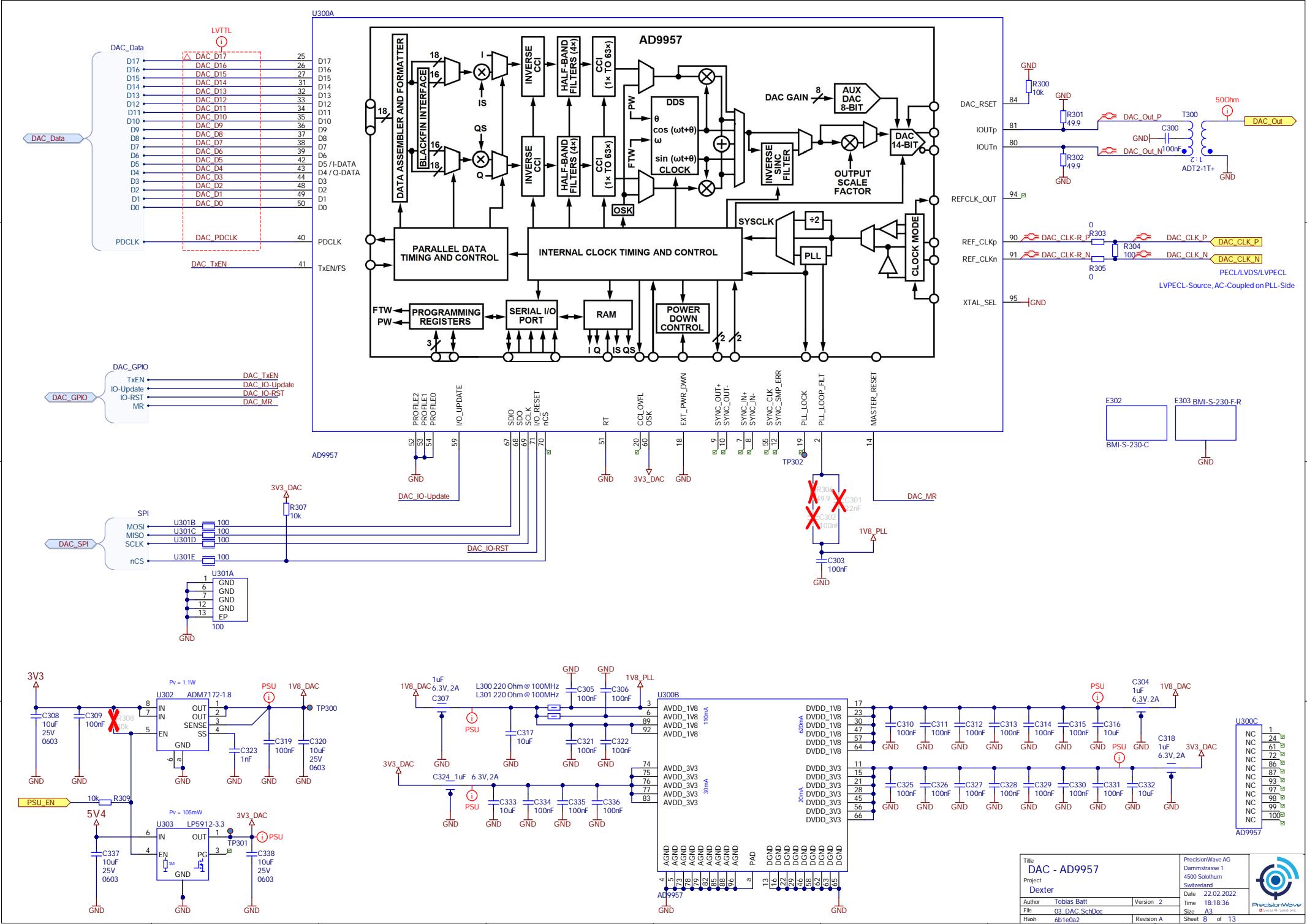
PrecisionWave AG  
Dammstrasse 1  
4500 Solothurn  
Switzerland

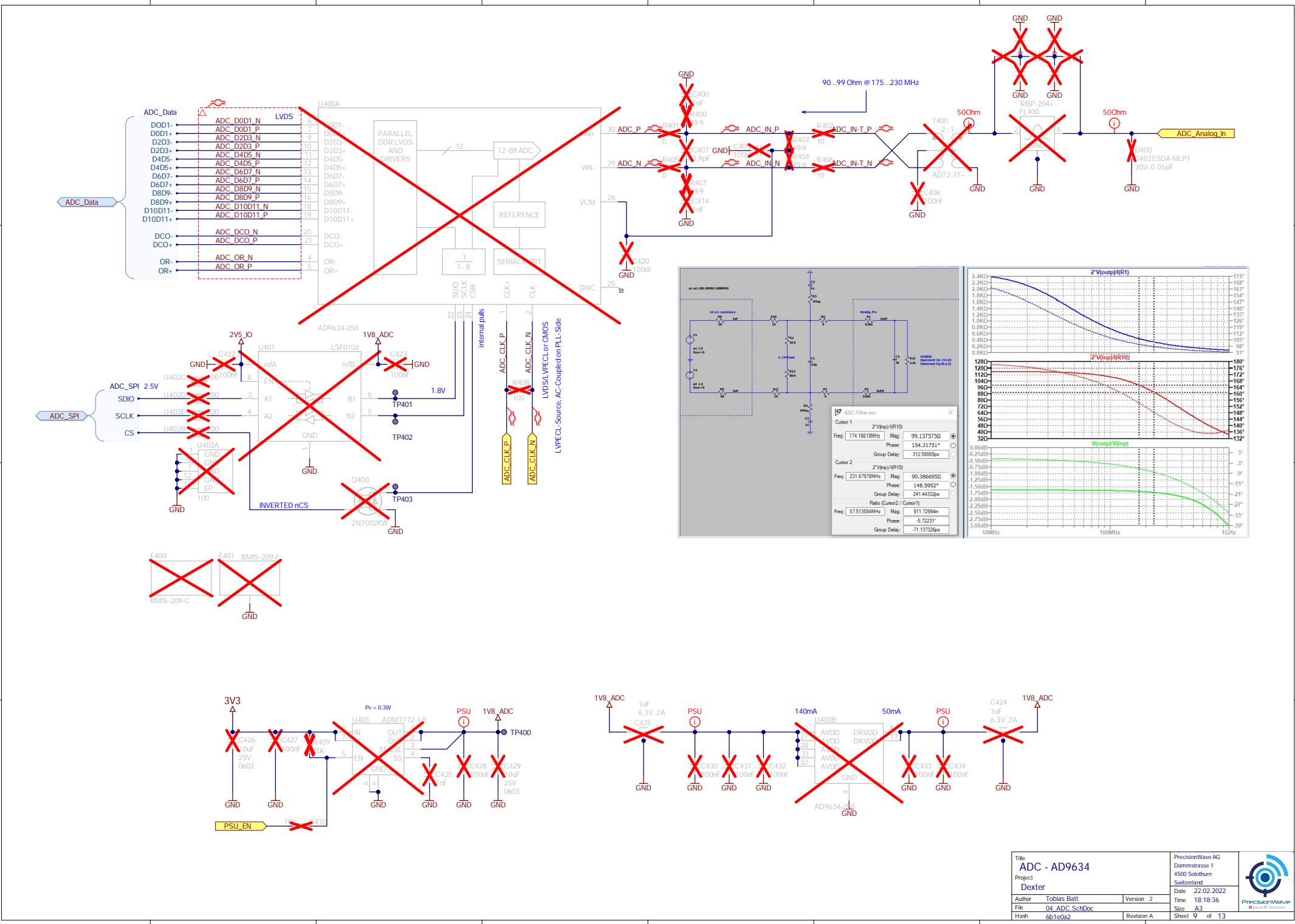


Date	22.02.2022
Time	18:18:35
Size	A4
Revision	A









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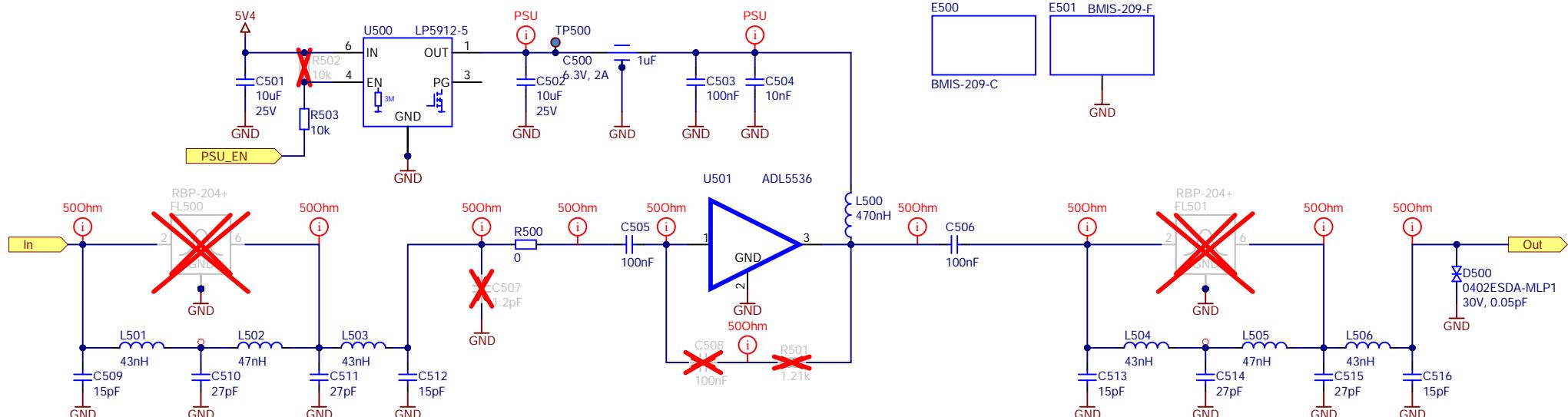
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## Title Output Amplifier

Project  
Dexter

PrecisionWave AG  
Dammstrasse 1  
4500 Solothurn  
Switzerland



Date	22.02.2022
Time	18:18:37
Author	Tobias Batt
File	05_Output-Driver.SchDoc
Hash	6b1e0a2
Version	2
Size	A4
Revision	A
Sheet	10 of 13

1

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1 2 3 4

A

U602B  
U602CU602A  
1 6 7 12 13  
GND GND GND GND EP  
100

B

I<sup>2</sup>C

SDA SCL

U602E  
U602D100 3 2  
GND GNDU605  
nLDAC SCL SDA

VCC VREF

DAC

CA0 CA1 CA2

GND GND

8 3  
GND GNDR611 10k  
GND

C

D

VCC\_OCXO  
U601B  
SN74LV1T125

5V4

5V: 4uF

C601  
10uF  
25V  
0603C602  
100nF  
0603R600  
10KU600  
ADM7172-3.3

IN IN

EN

GND

R602  
10KU601A  
SN74LV1T125Q600  
SI2333DSC611  
100nF

GND

C612  
1uF

GND

C613  
100nF

GND

C614  
100nF

GND

C615  
100nF

GND

C616  
100nF

GND

C617  
510pF

GND

C618  
100nF

GND

C619  
1uF

GND

R608 100  
0 0R616  
100Vtune  
GNDC620  
100nF

GND

C621  
100nF

GND

C622  
1uF

GND

R613  
49.9extRef  
GNDD601  
Z402ESDA-MLP1

30V, 0.05pF

VCC\_OCXO

50Ohm

50Ohm

extRef  
GNDD600  
Z7BAS70-04W

30V, 0.05pF

VCC\_OCXO

50Ohm

50Ohm

extRef  
GNDD600  
DOCAT020V-030.72M

G600

VCC

Vocxo

100nF

GND

C625  
100nF

GND

R614  
0RFout  
GNDC626  
100nF

GND

C627  
100nF

GND

C628  
100nF

GND

C629  
100nF

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C630  
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C631  
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