

A

A

B

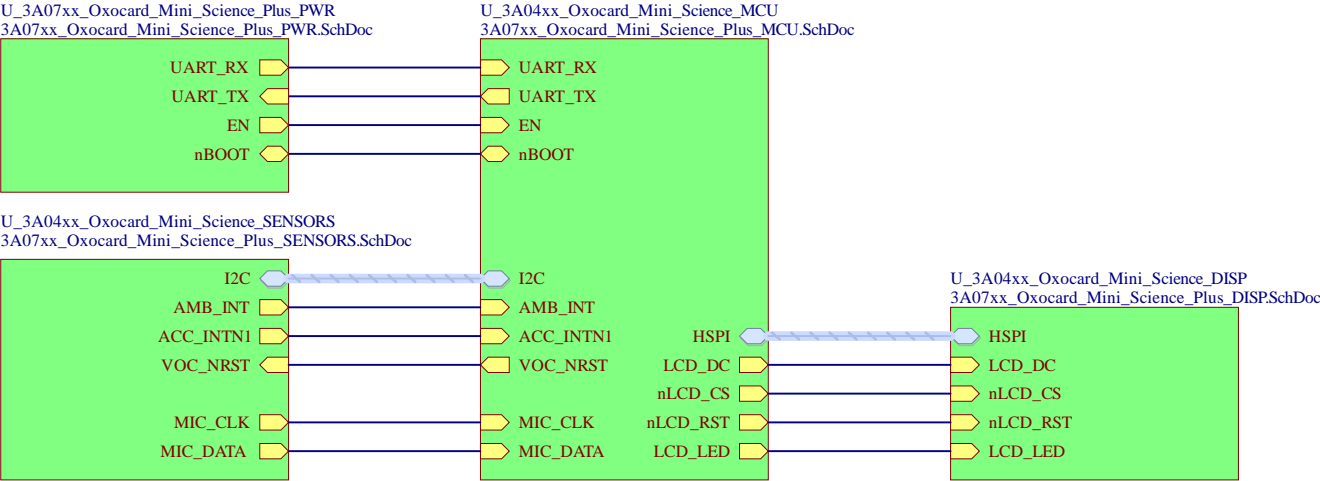
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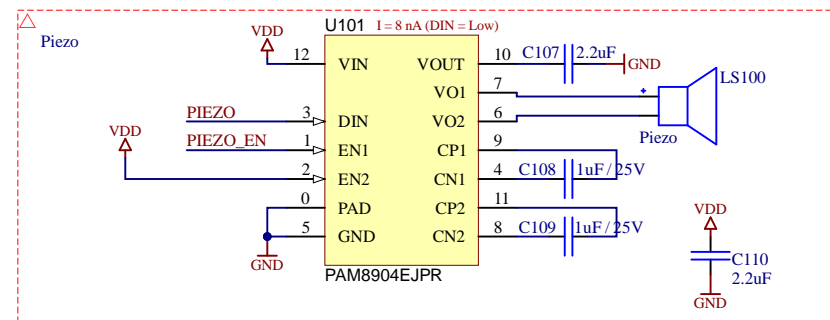
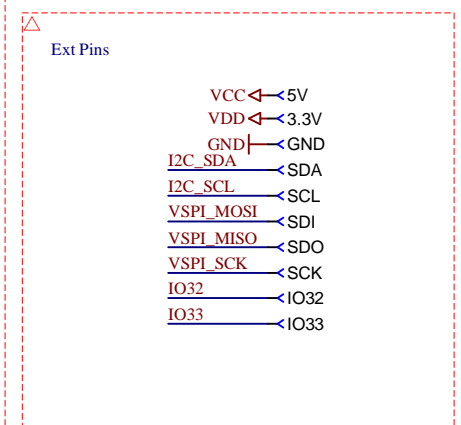
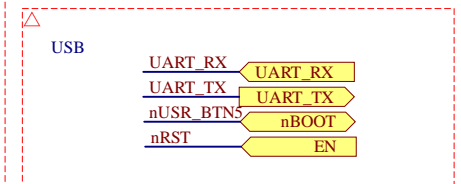
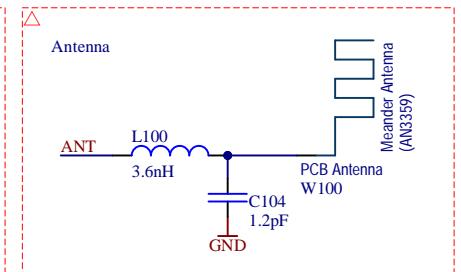
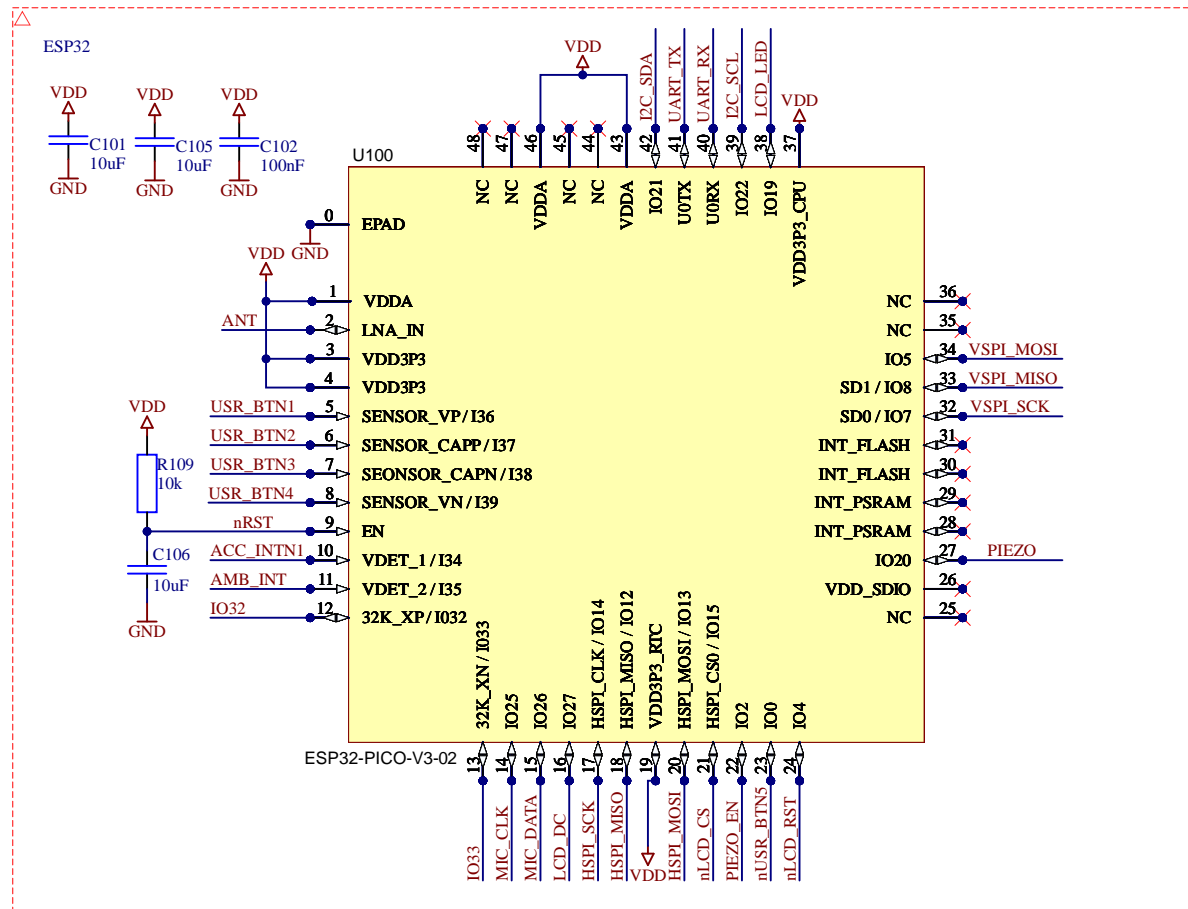
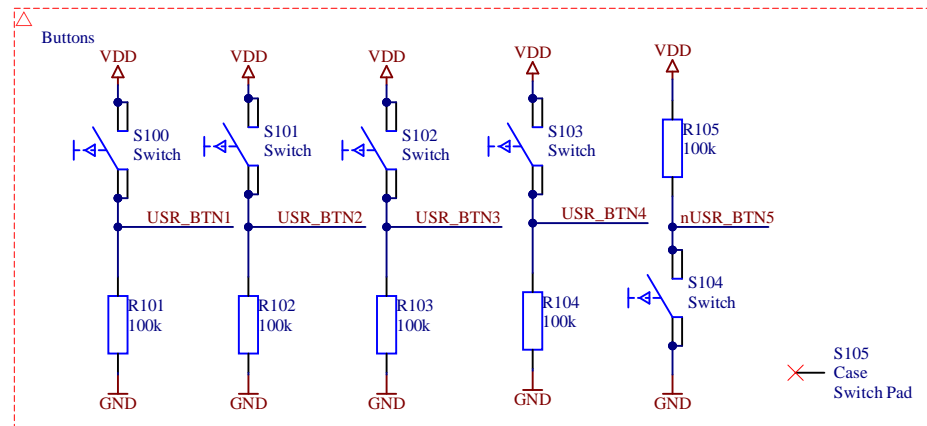
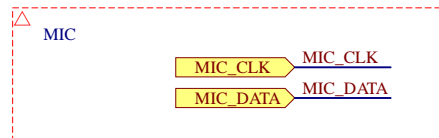
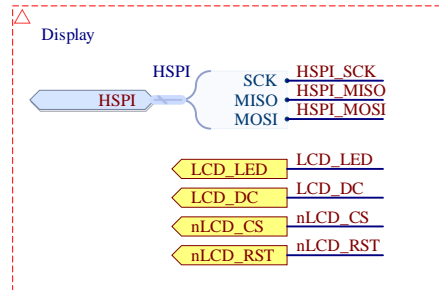
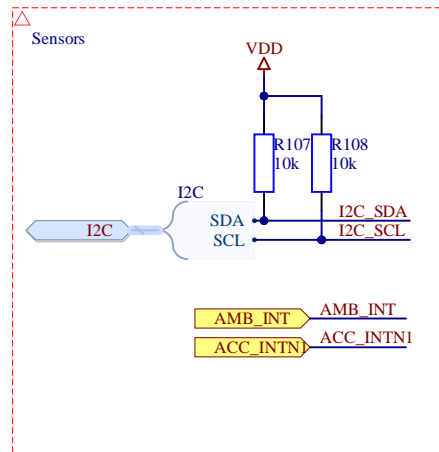
C


C

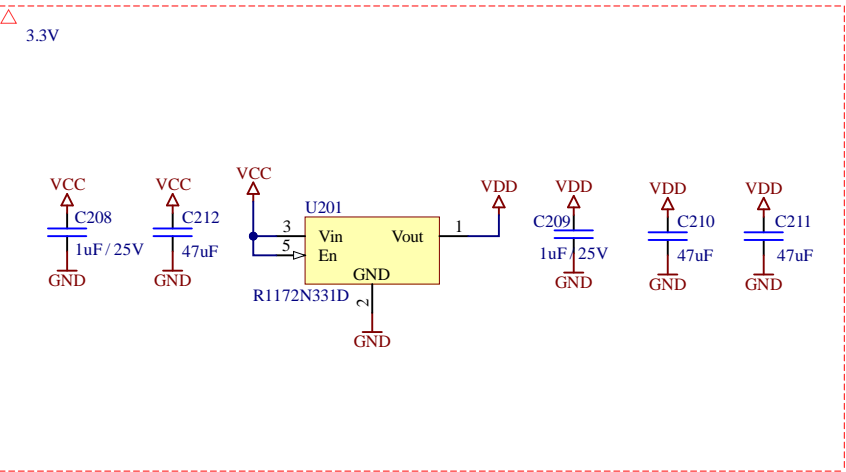
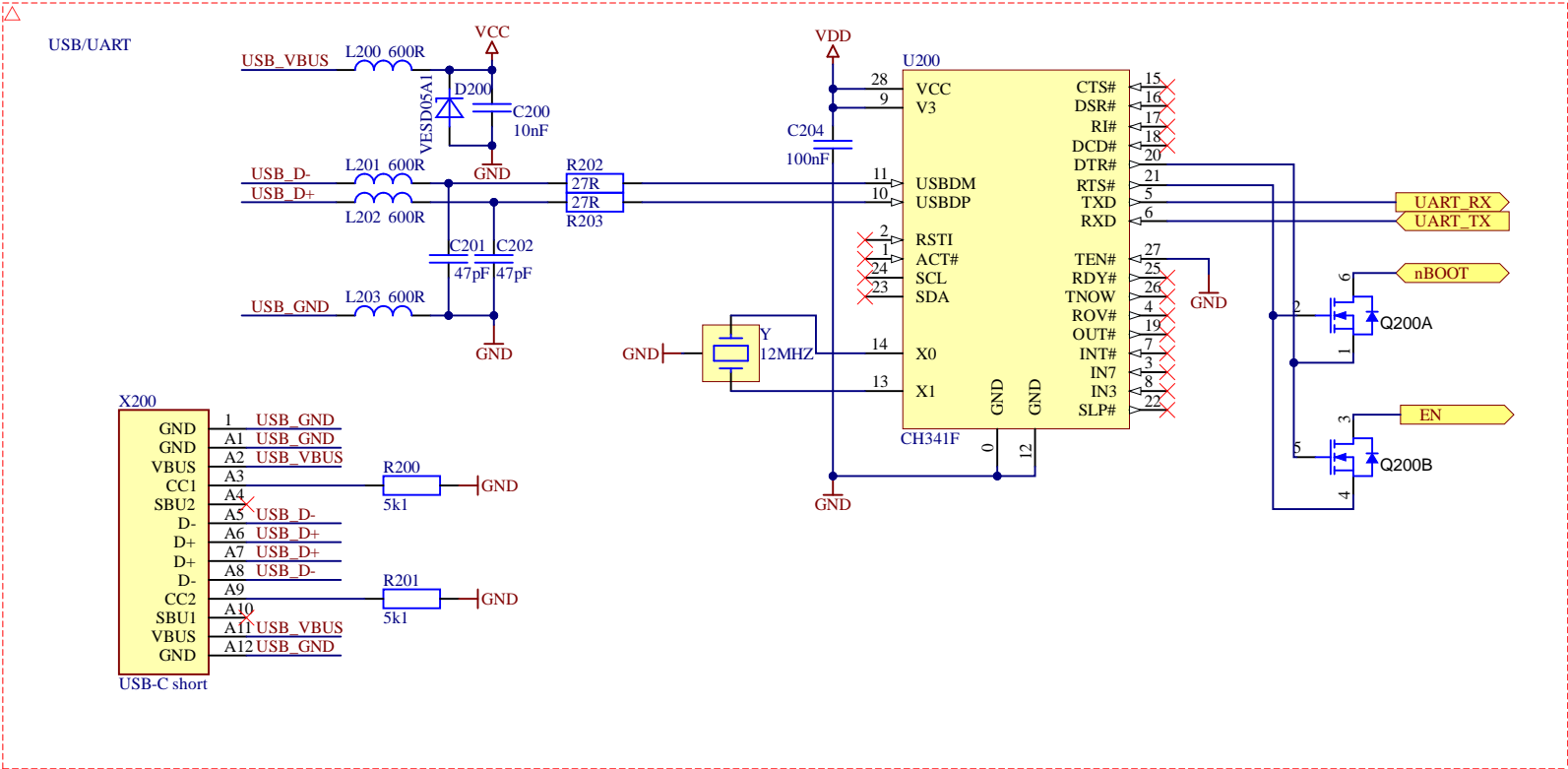
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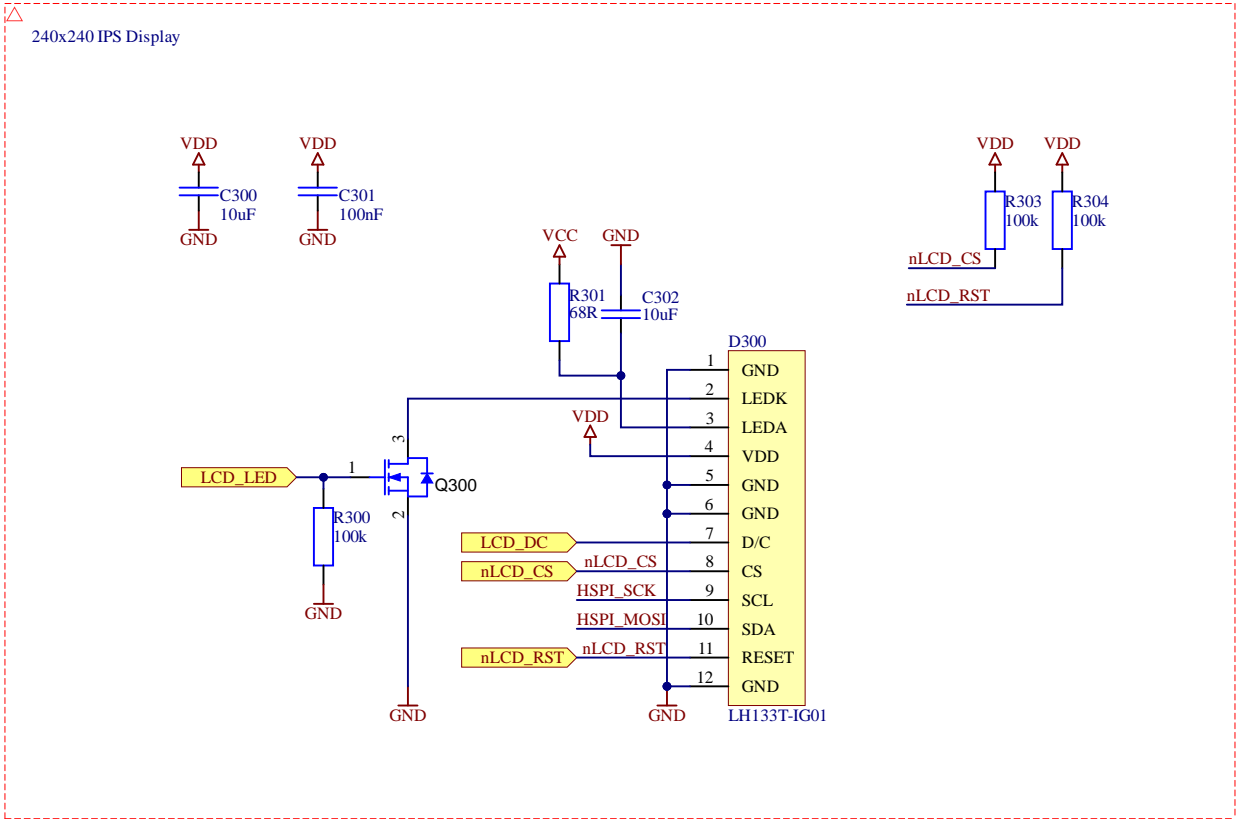
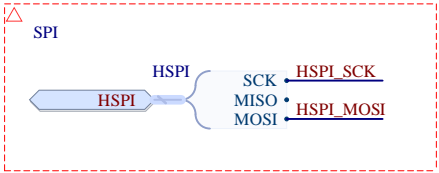
D





Title: <b><i>Oxocard Mini Science Plus - MCU</i></b>			<b>Oxon AG</b> Waldeggsstrasse 47 3097 Liebefeld Switzerland 
Prd-Nr: <b>3A07xx</b>	Author: <b>srs1, tm</b>	Revision: <b>1.2</b>	
Date: <b>10.01.2024</b>	Time: <b>12:47:00</b>	Sheet <b>2</b> of <b>5</b>	
File: <b>3A07xx_Oxocard_Mini_Science_Plus_MCU.SchDoc</b>			





Title: **Oxocard Mini Science Plus - Display**

**Oxon AG**

Prd-Nr: 3A07xx

Author: srs1, tm

Revision: 1.2

Waldeggsstrasse 47  
3097 Liebefeld  
Switzerland

**OXON®**

Date: 10.01.2024

Time: 12:47:00

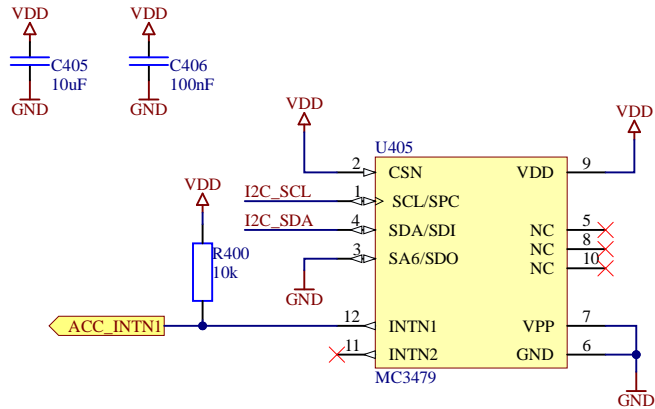
Sheet 4 of 5

File: 3A07xx\_Oxocard\_Mini\_Science\_Plus\_DISP.SchDoc

## I2C

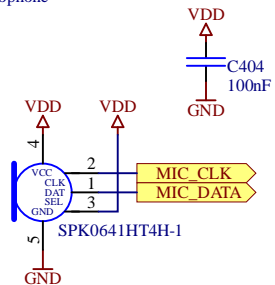


## Accel

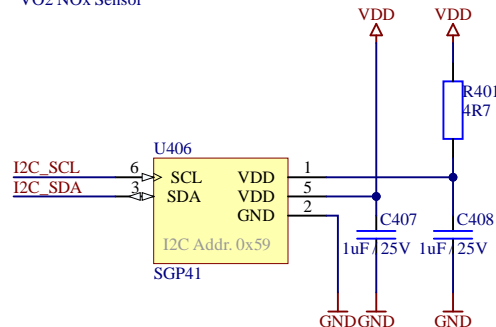


I2C Address: 0b1001100 + R/W (0x99 read, 0x98 write)

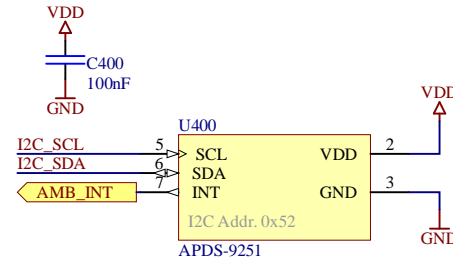
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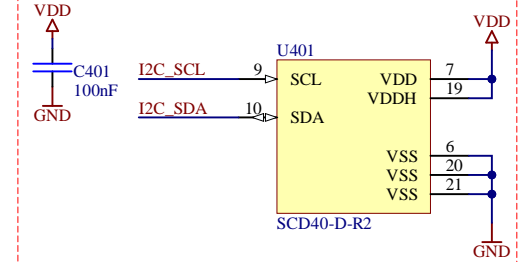
## VO2 NOx Sensor



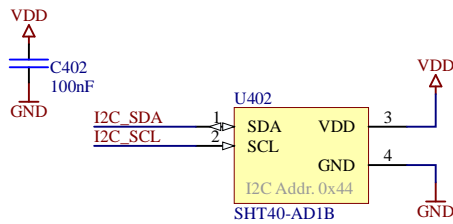
## RGB Ambient Light Sensor



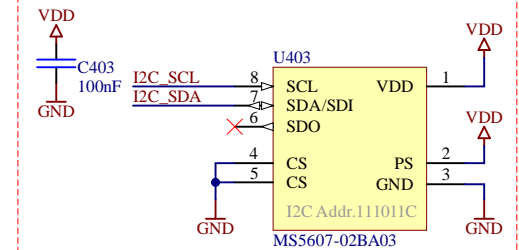
## CO2 Sensor



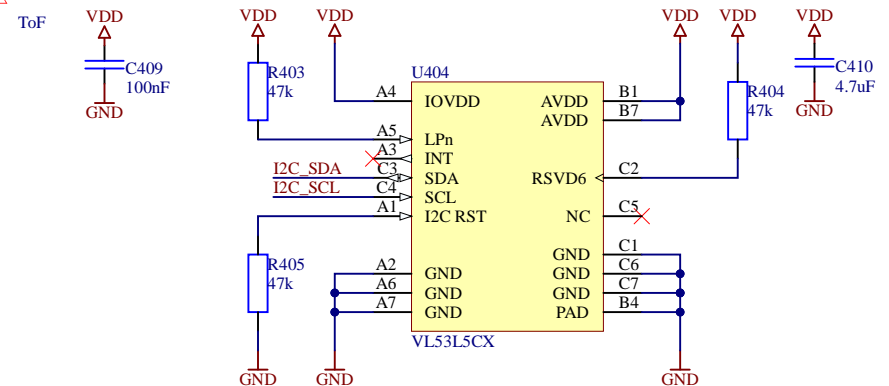
## Humidity and Temperature Sensor



## Barometric Pressure Sensor



## ToF

Title: **Oxocard Mini Science Plus - Sensors**

Oxon AG

Prd-Nr: 3A07xx

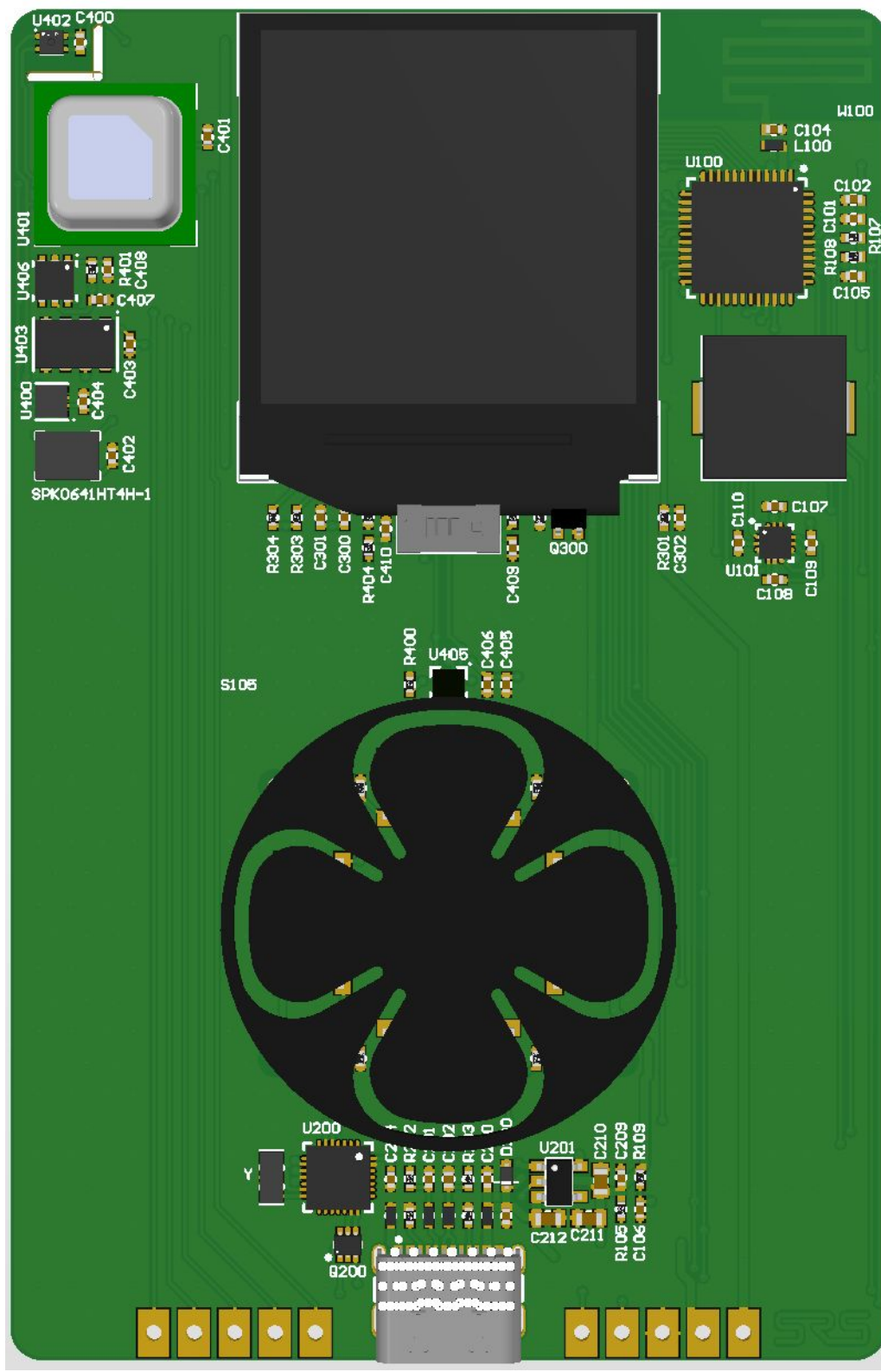
Author: srs1, tm

Revision: 1.2

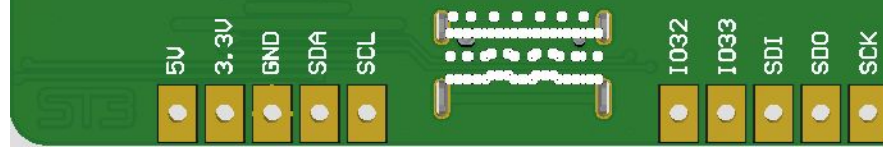
Waldegstrasse 47  
3097 Liebefeld  
Switzerland**OXON**

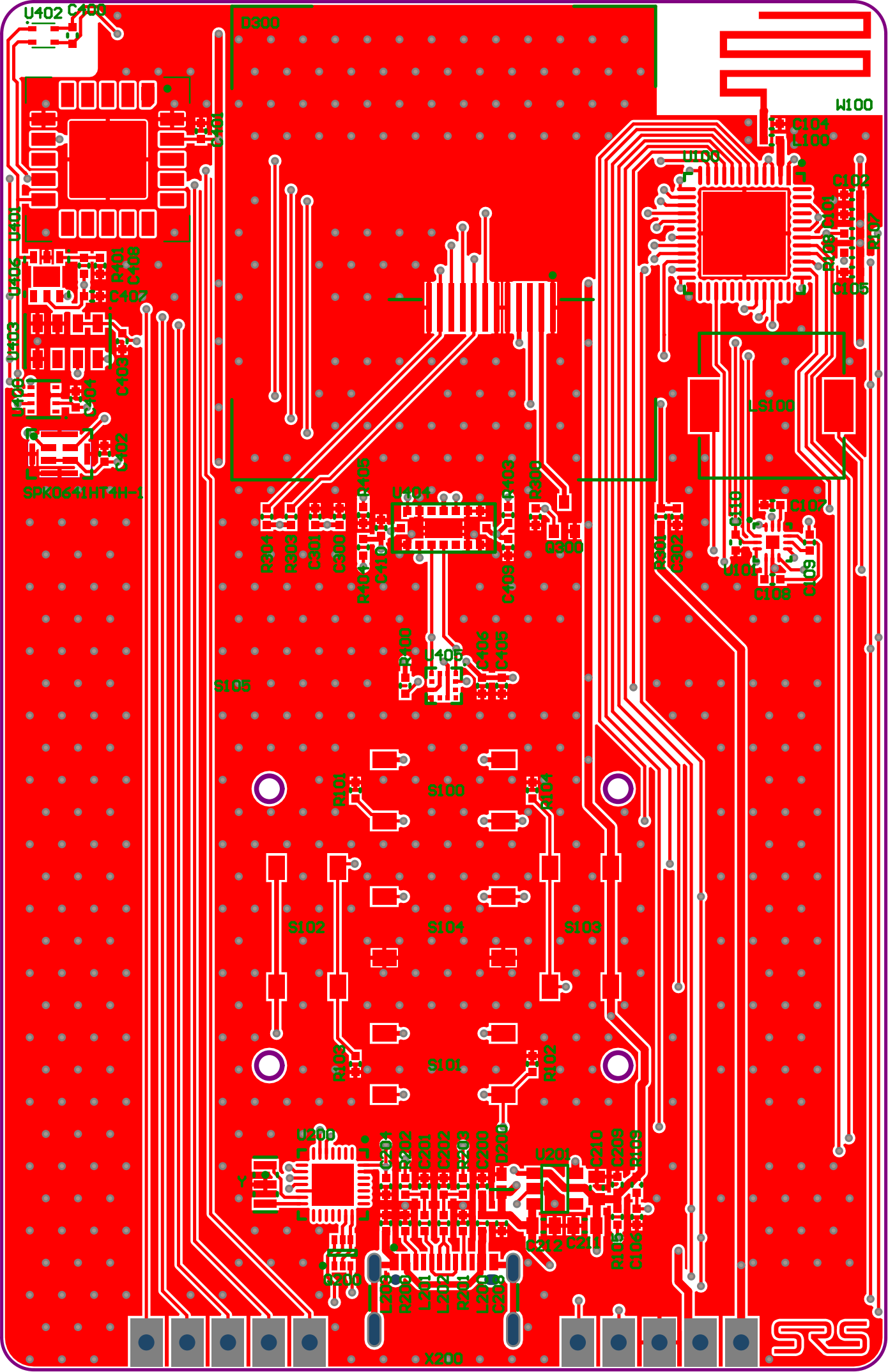
Date: 10.01.2024 Time: 12:47:00 Sheet 5 of 5

File: 3A07xx\_Oxocard\_Mini\_Science\_Plus\_SENSORS.SchDoc



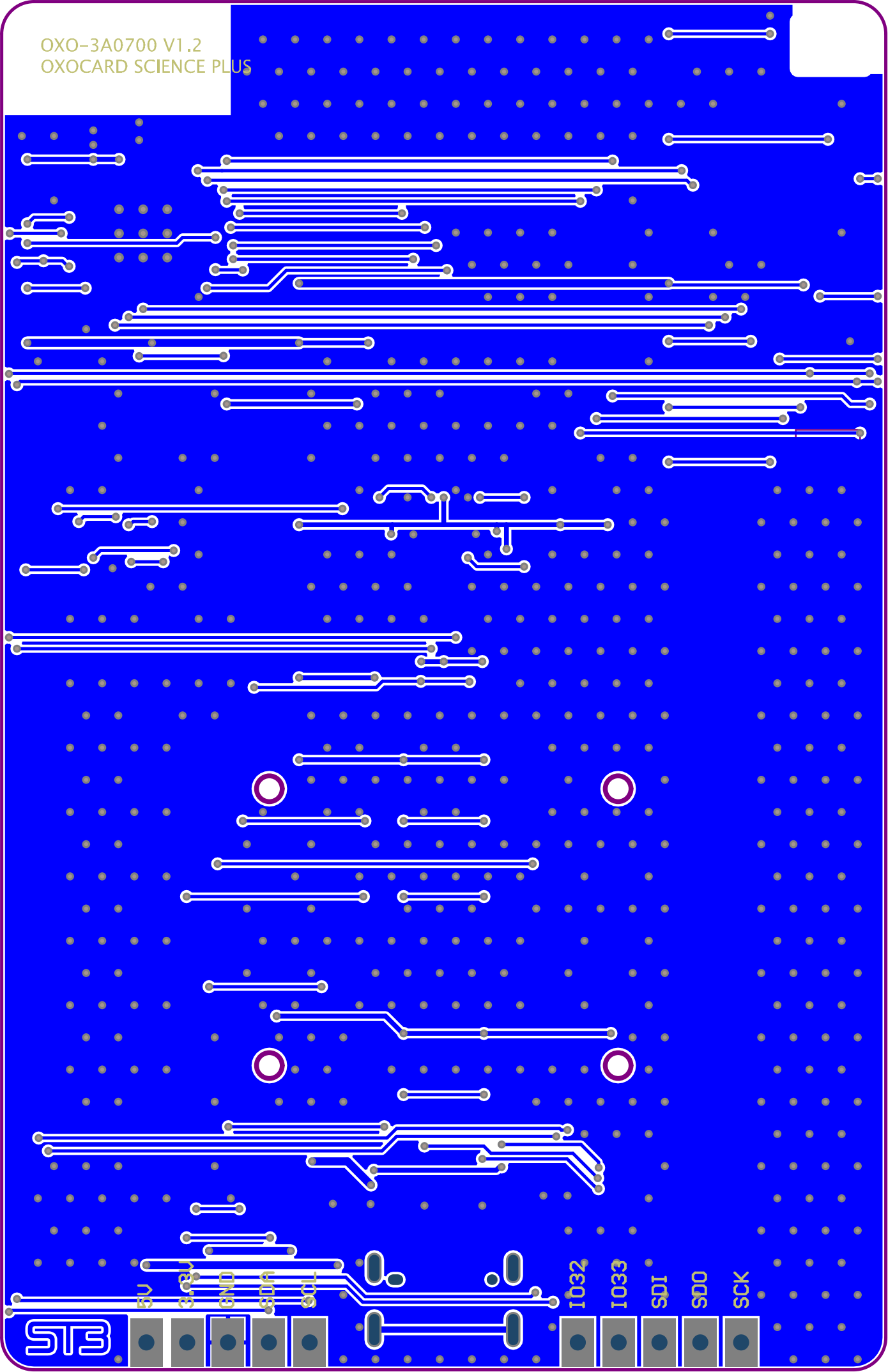
OXO-3A0700 V1.2  
OXOCARD SCIENCE PLUS







OXO-3A0700 V1.2  
OXOCARD SCIENCE PLUS



ST3

5V

GND

SDA

SCL

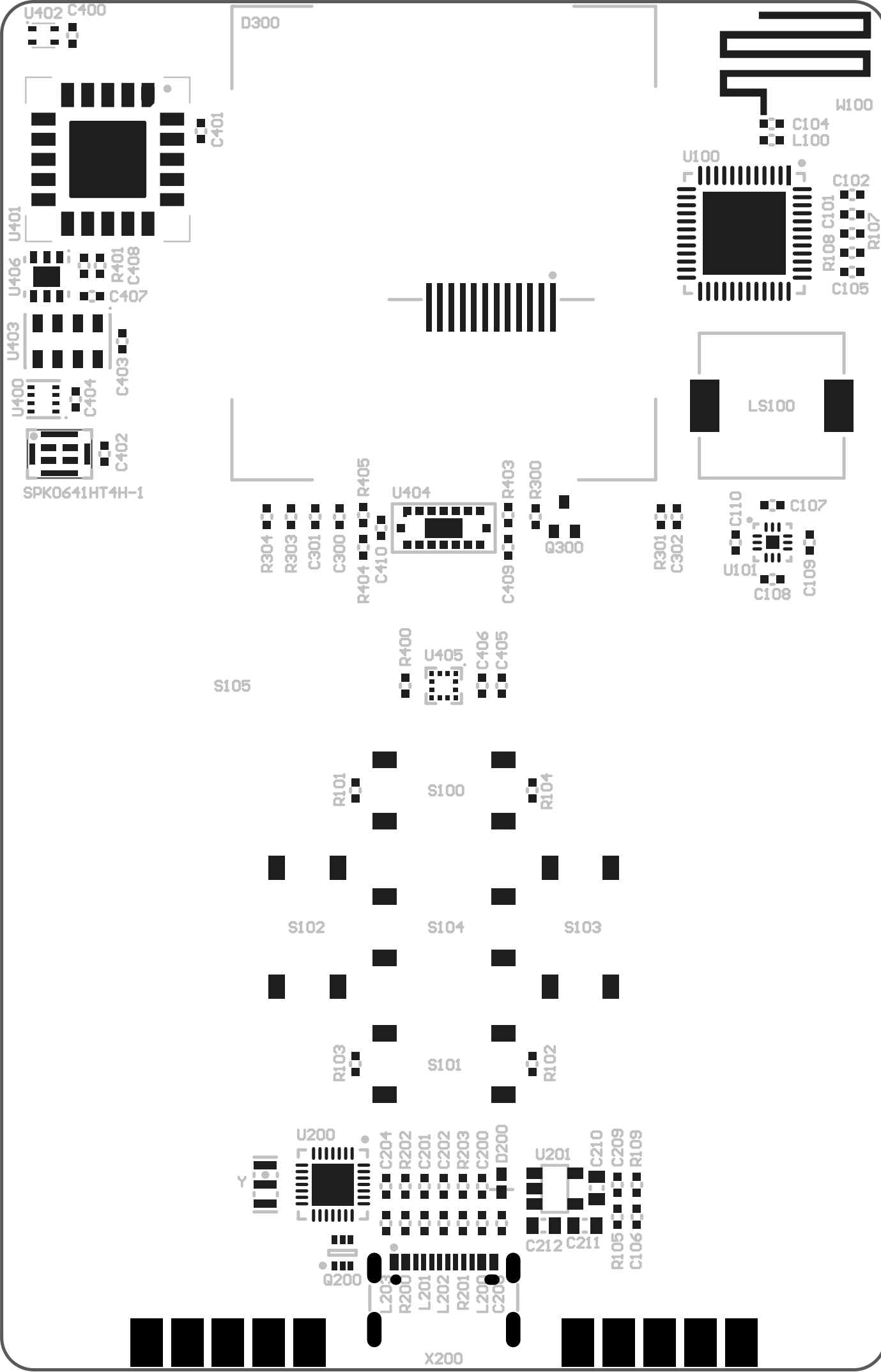
I032

I033

SDI

SDO

SCK





SCK

SDO

SDI

I033

I035

J02

AD2

END

3\*3u

u2