

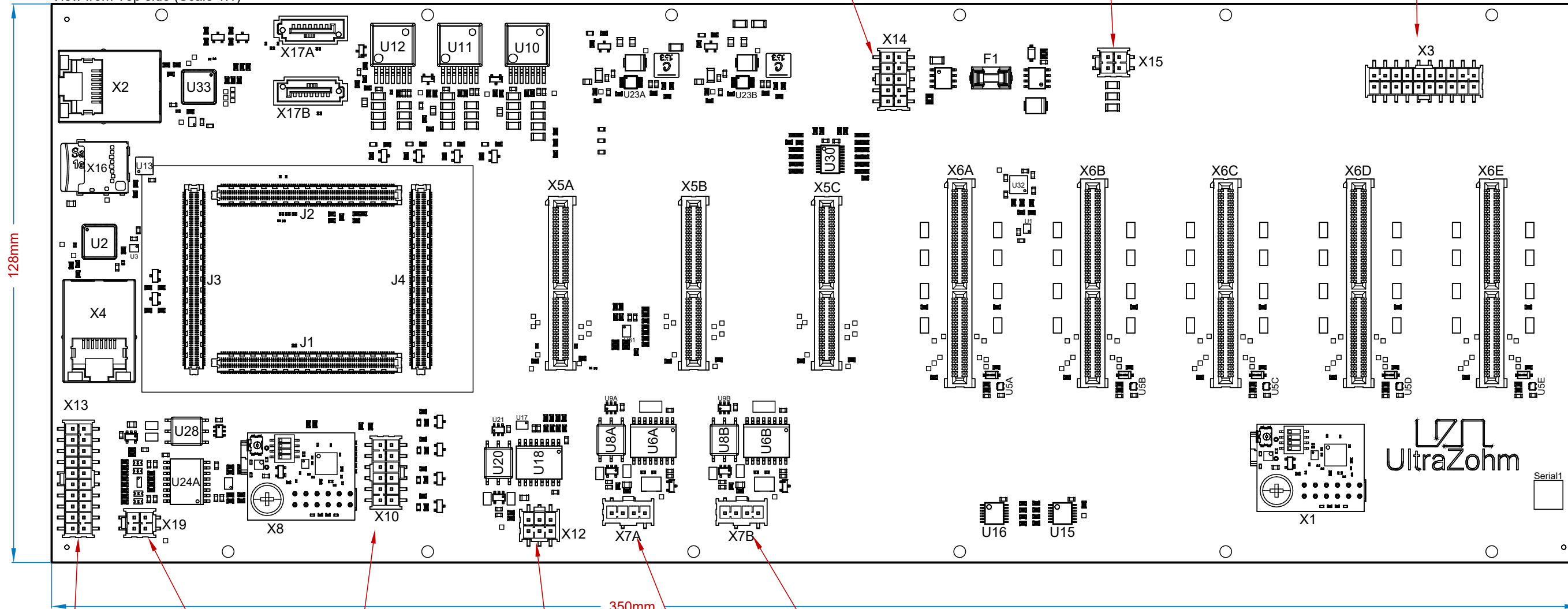
A

B

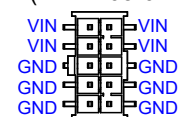
C

D

View from Top side (Scale 1:1)



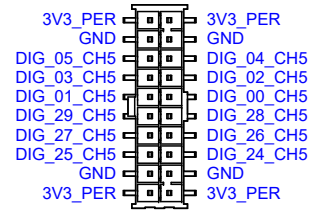
X14 (IPL1-105-02-L-D-K)



X15 (IPL1-102-02-L-D-K)



X3 (IPL1-110-02-L-D-K)



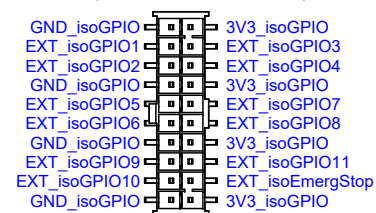
128mm

350mm

UltraZohm

Serial1

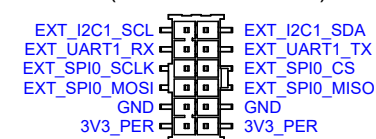
X13 (IPL1-110-02-L-D-K)



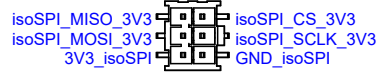
X19 (IPL1-102-02-L-D-K)



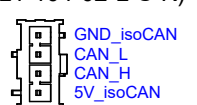
X10 (IPL1-106-02-L-D-K)



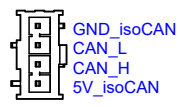
X12 (IPL1-103-02-L-D-K)



X7A (IPL1-104-02-L-S-K)



X7B (IPL1-104-02-L-S-K)

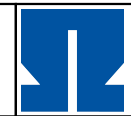


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Technische Hochschule Nürnberg Georg Simon Ohm. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF Technische Hochschule Nürnberg Georg Simon Ohm IS PROHIBITED.

PROPRIETARY AND CONFIDENTIAL

PROJECT NAME	UltraZohm Carrier Board
REVISION	04
ENGINEER	Andreas Geiger

Technische Hochschule Nürnberg Georg Simon Ohm	
Wasserstr. 10 90489 Nürnberg GERMANY	
SCALE: 1:1	DATE 27.04.2021



SHEET 1 OF 4

A

B

C

D

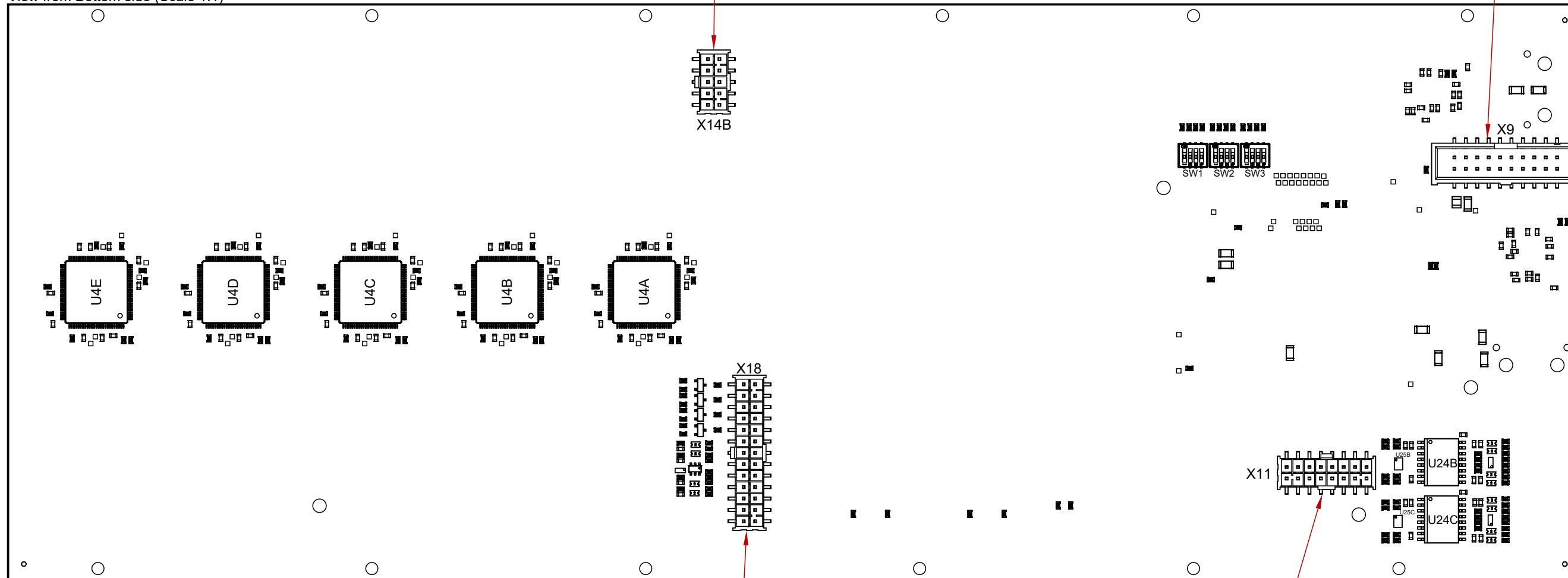
A

B

C

D

View from Bottom side (Scale 1:1)



X14B (IPL1-105-02-L-D-K)

VIN VIN
 VIN VIN
 GND GND
 GND GND
 GND GND

X14B

X18

X18 (IPL1-113-02-L-D-K)

FrontPanel_LED1 3V3_PER
 FrontPanel_LED2 3V3_PER
 FrontPanel_LED3 3V3_PER
 FrontPanel_LED4 3V3_PER
 GND GND
 FrontPanel_switch5 1V8_PER
 FrontPanel_switch6 1V8_PER
 FrontPanel_switch7 1V8_PER
 FrontPanel_switch8 1V8_PER
 GND GND
 GND GND
 VIN VIN
 VIN VIN

X9 (HTST-110-01-F-DV)

1V8_PER n.c.
 n.c. GND
 PJTAG0_TDI GND
 PJTAG0_TMS GND
 PJTAG0_TCK GND
 n.c. GND
 PJTAG0_TDO n.c.
 SRST_B_OR n.c.
 n.c. GND
 n.c. GND

X9

X11

X11 (IPL1-108-02-L-D-K)

isoGPIO01 isoGPIO07
 isoGPIO02 isoGPIO08
 isoGPIO03 isoGPIO09
 isoGPIO04 isoGPIO10
 isoGPIO05 isoGPIO11
 isoGPIO06 isoGPIO12
 1V8_PER 1V8_PER
 GND GND

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Technische Hochschule Nürnberg Georg Simon Ohm. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF Technische Hochschule Nürnberg Georg Simon Ohm IS PROHIBITED.

PROPRIETARY AND CONFIDENTIAL

PROJECT NAME

UltraZohm Carrier Board

REVISION 04

ENGINEER Andreas Geiger

Technische Hochschule Nürnberg Georg Simon Ohm

Wassertorstr. 10
 90489 Nürnberg
 GERMANY

SCALE: 1:1

DATE 27.04.2021

SHEET 2 OF 4



A

B

C

D

1

2

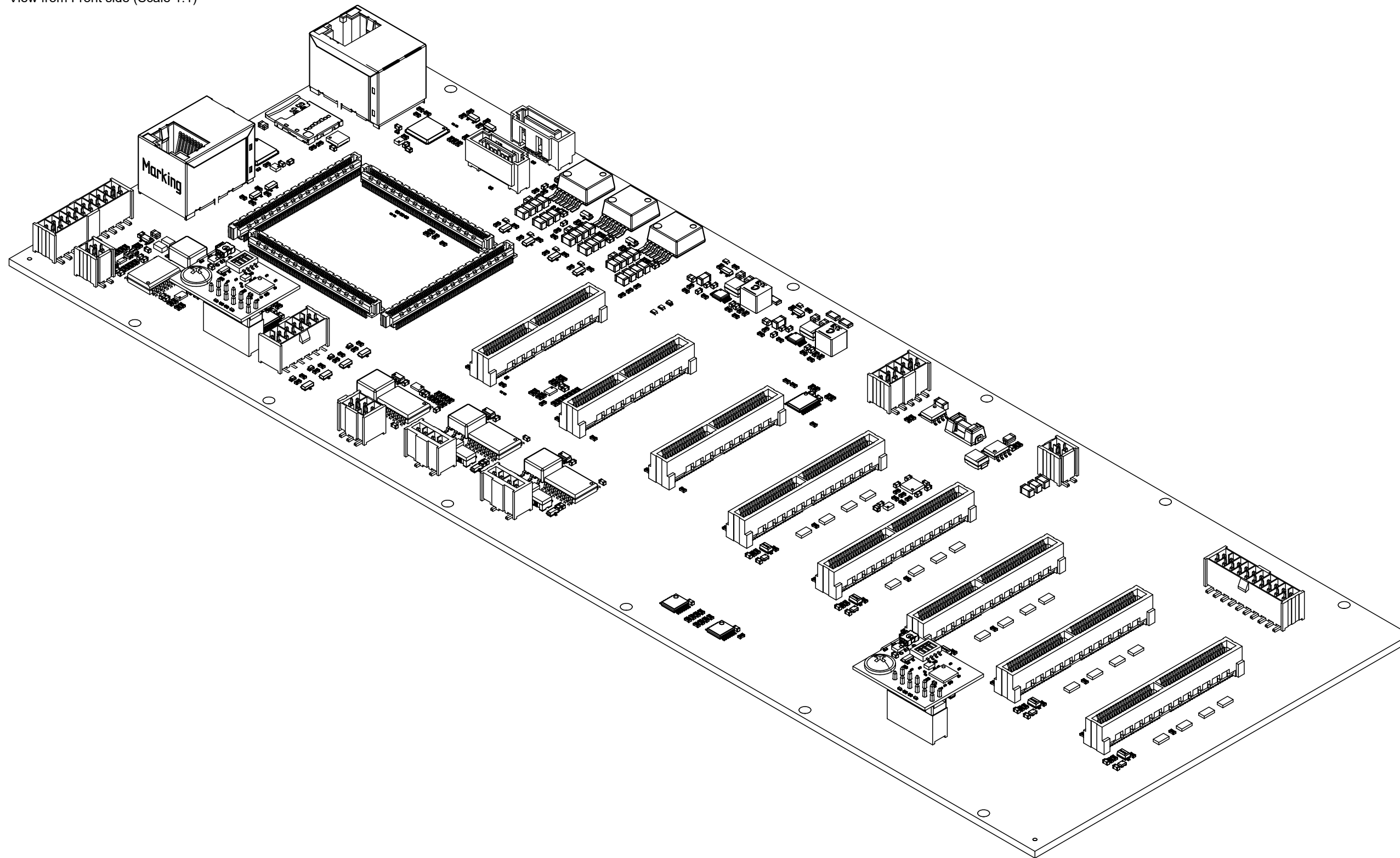
A

B

C

D

View from Front side (Scale 1:1)




1

1

2

2

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Technische Hochschule Nürnberg Georg Simon Ohm. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF Technische Hochschule Nürnberg Georg Simon Ohm IS PROHIBITED.	PROJECT NAME UltraZohm Carrier Board	Technische Hochschule Nürnberg Georg Simon Ohm Wassertorstr. 10 90489 Nürnberg GERMANY		
	PROPRIETARY AND CONFIDENTIAL	REVISION 04 ENGINEER Andreas Geiger	SCALE: 1:1	

A

B

C

D

A

B

C

D

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.010mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.035mm		Signal	GTL
Prepreg		0.140mm	FR-4	Dielectric	
Copper	L02_GND	0.018mm		Signal	G1
Core		0.300mm	FR-4	Dielectric	
Copper	L03_Sig	0.018mm		Signal	G2
Core		1.000mm	FR-4	Dielectric	
Copper	L04_Sig	0.018mm		Signal	G3
Core		0.300mm	FR-4	Dielectric	
Copper	L05_VCC	0.018mm		Signal	G4
Prepreg		0.140mm	FR-4	Dielectric	
Copper	Bottom Layer	0.035mm		Signal	GBL
Surface Material	Bottom Solder	0.010mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

Total thickness: 2.041mm

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
△	1723	0.200mm	Plated	None
▣	876	0.300mm	Plated	None
☆	20	0.890mm	Plated	None
□	24	1.000mm	Plated	None
◇	8	1.020mm	Plated	None
◇	16	1.270mm	Non-Plated	None
☆	4	1.350mm	Plated	None
⊕	4	1.630mm	Plated	None
☆	12	2.900mm	Plated	None
○	4	3.200mm	Plated	None
⊗	4	3.200mm	Non-Plated	None
	2695 Total			

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Technische Hochschule Nürnberg Georg Simon Ohm. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF Technische Hochschule Nürnberg Georg Simon Ohm IS PROHIBITED.

PROPRIETARY AND CONFIDENTIAL

PROJECT NAME

UltraZohm Carrier Board

REVISION 04

ENGINEER Andreas Geiger

Technische Hochschule Nürnberg Georg Simon Ohm

Wassertorstr. 10
90489 Nürnberg
GERMANY

SCALE: 1:1

DATE 27.04.2021

SHEET 4 OF 4



A

B

C

D