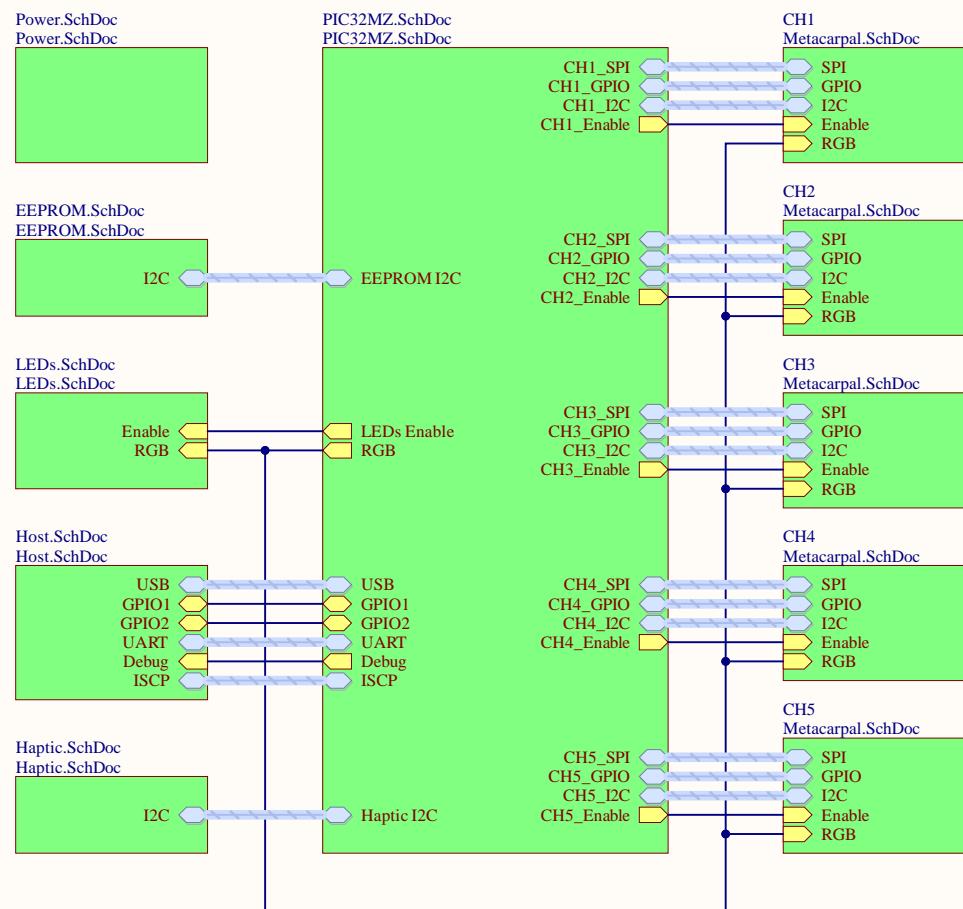


A



B

C

D

A

B

C

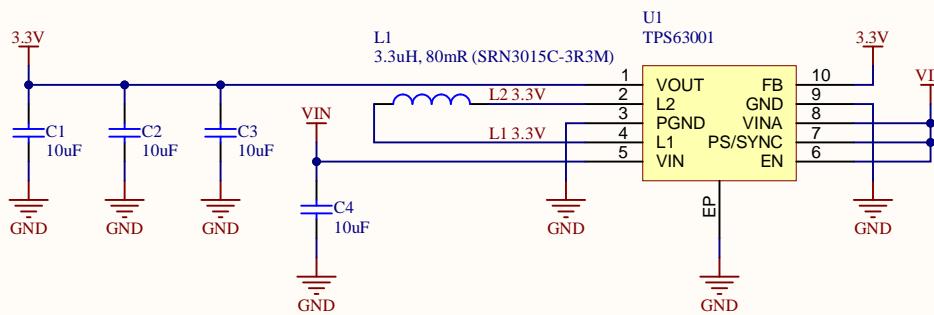
D



TITLE		Main.SchDoc	VERSION
SIZE	PROJECT	MICA Glove Carpus	v1.0
VARIANT	[No Variations]	SHEET	1 OF 8
AUTHOR	Seb Madwick	DATE	28/06/2024

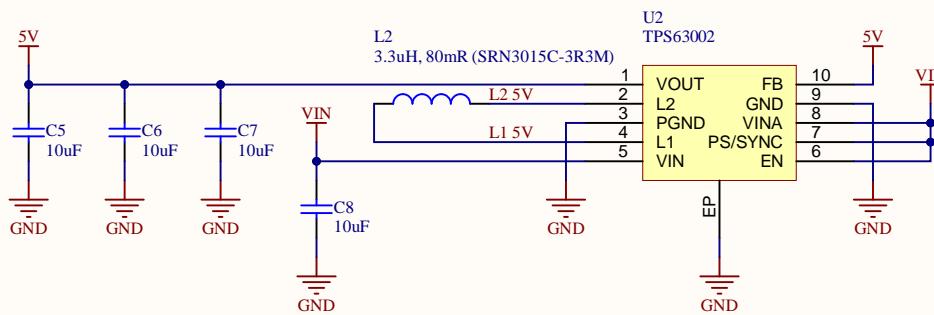
A

A



B

B

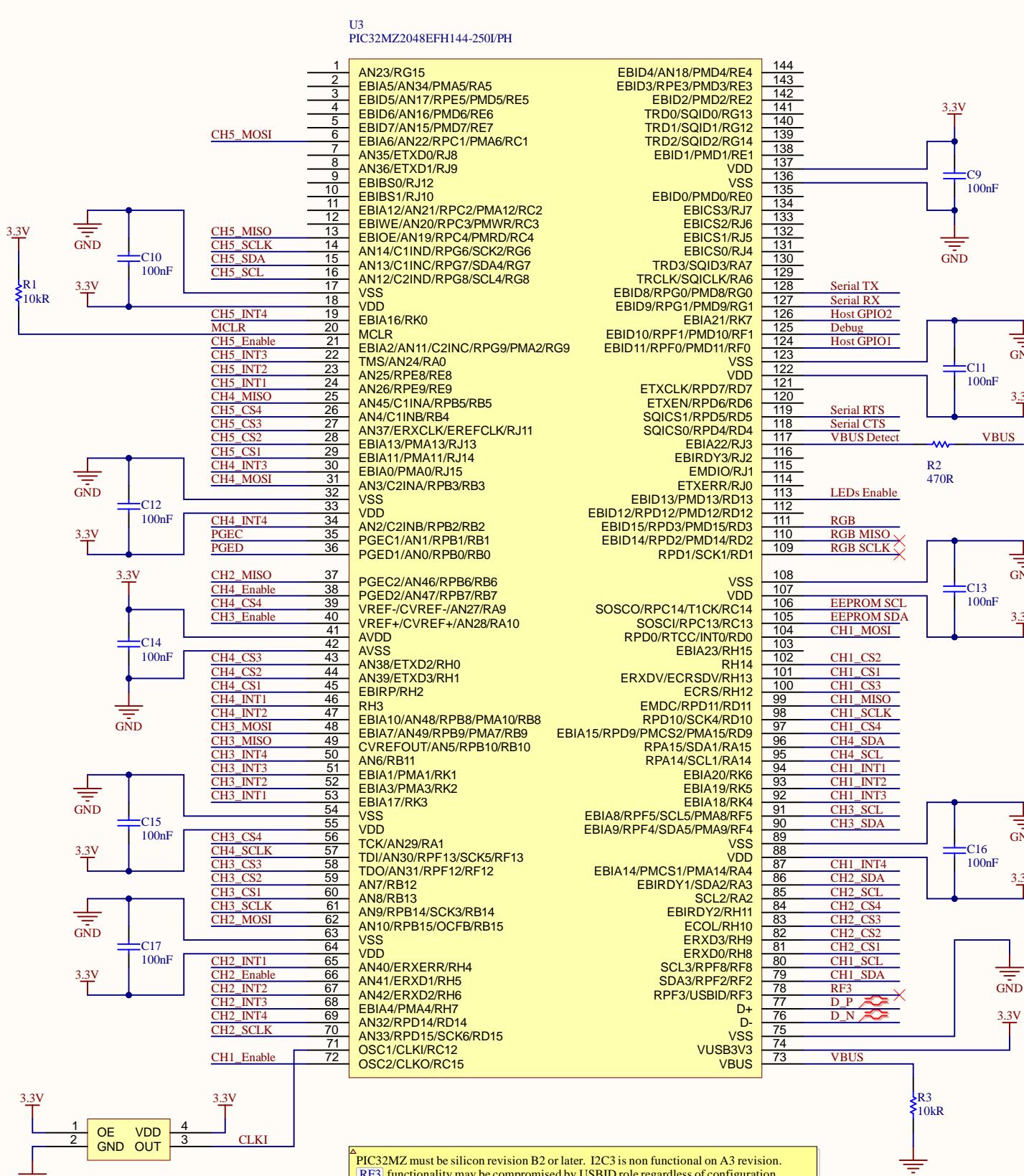


C

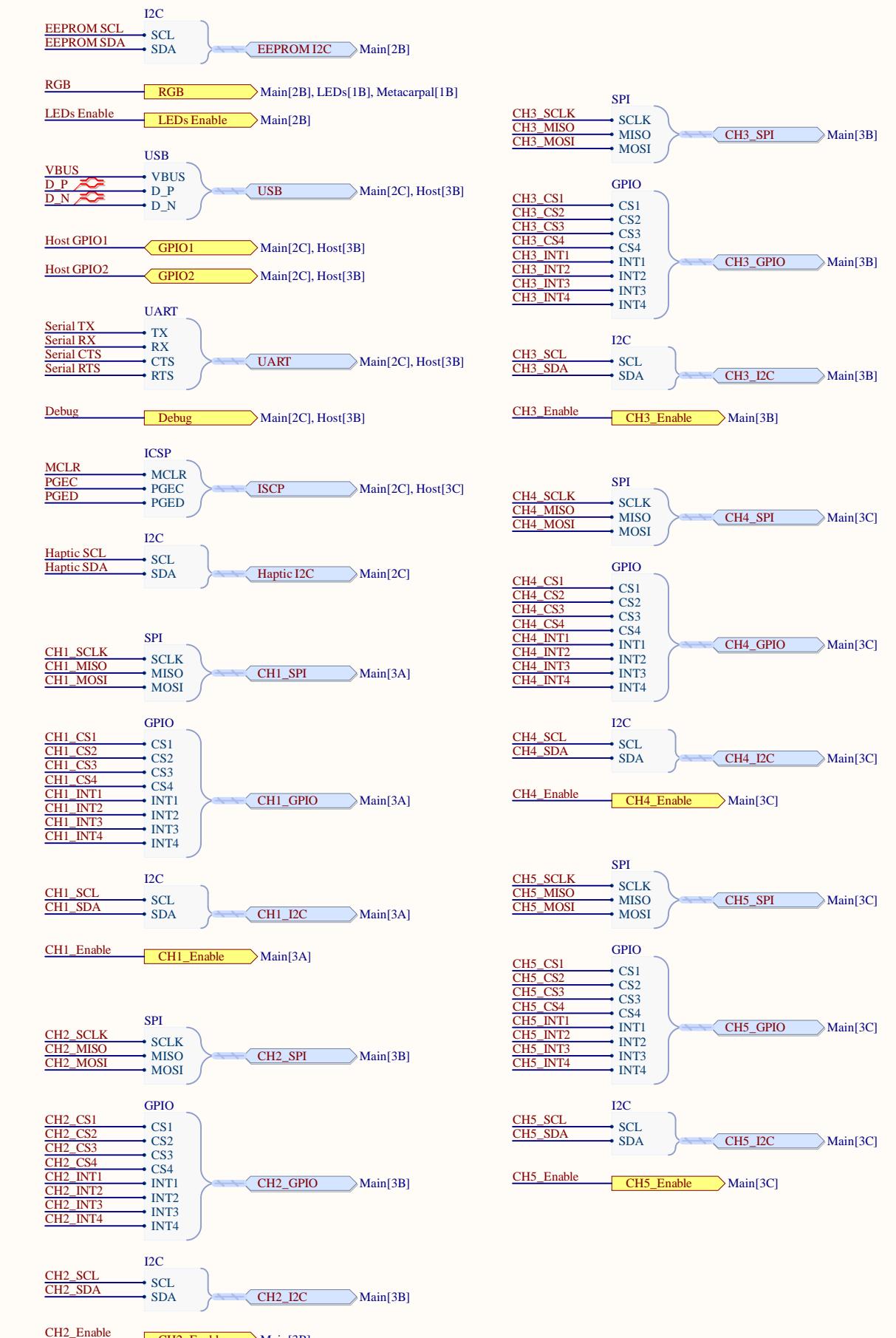
C



TITLE		Power.SchDoc	
SIZE	PROJECT	VERSION	
A4	MICA Glove Carpus	v1.0	
VARIANT	[No Variations]	SHEET	2 OF 8
AUTHOR	Seb Madwick	DATE	28/06/2024



**A** PIC32MZ must be silicon revision B2 or later. I2C3 is non functional on A3 revision. RF3 functionality may be compromised by USBID role regardless of configuration. RGB MISO requires PIC32MZ internal pull-down to ensure RGB is idle low. RGB SCL/SDI, RGB SCK/HCLK, and RGB SDO are functional.



A

A

B

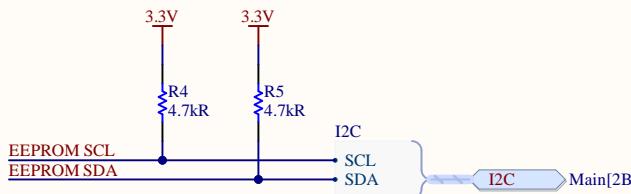
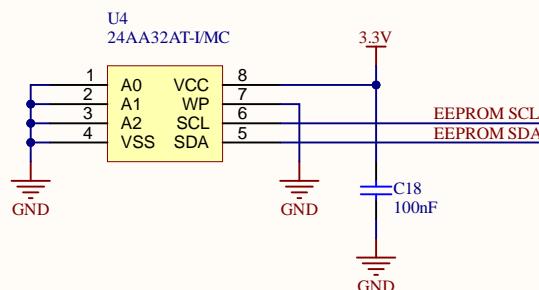
B

C

C

D

D



TITLE  
**EEPROM.SchDoc**

SIZE **A4** PROJECT **MICA Glove Carpus** VERSION **v1.0**

VARIANT **[No Variations]**

SHEET **4** OF **8**

AUTHOR **Seb Madwick**

DATE **28/06/2024**

A

A

B

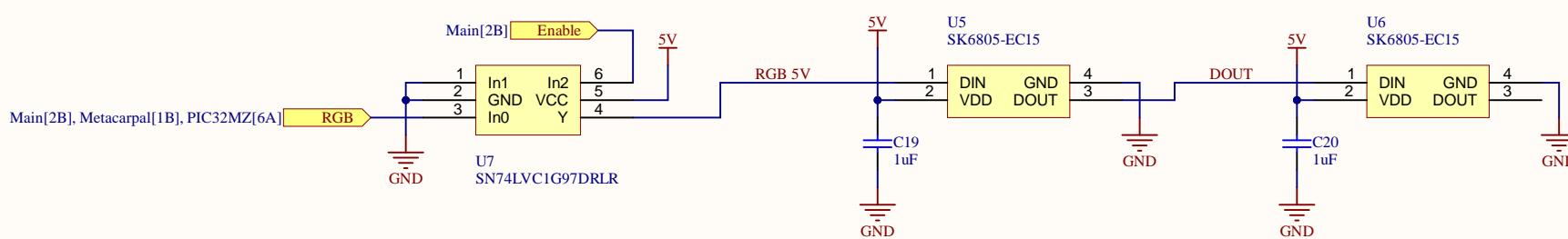
B

C

C

D

D



TITLE  
LEDs.SchDoc

SIZE A4 PROJECT MICA Glove Carpus

VERSION v1.0

VARIANT [No Variations]

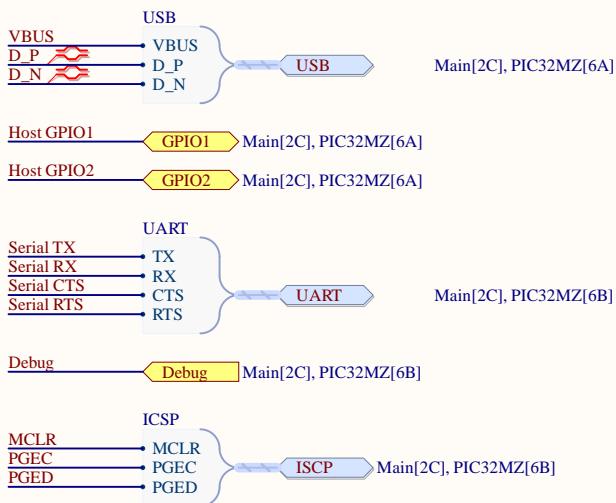
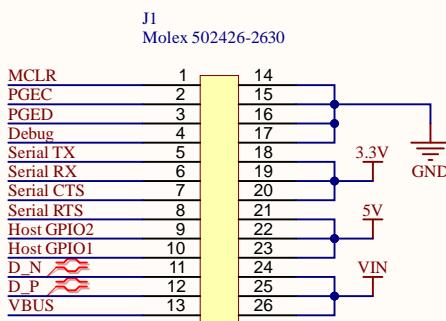
SHEET 5 OF 8

AUTHOR Seb Madgwick

DATE 28/06/2024

A

A



B

B

C

C

D

D

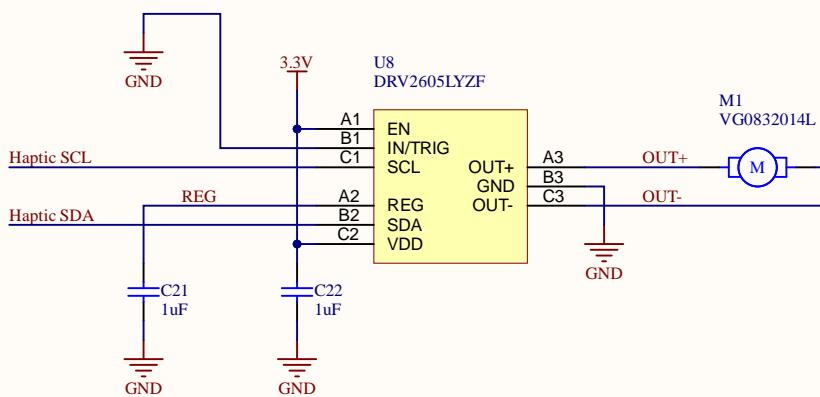


TITLE Host.SchDoc		
SIZE A4	PROJECT MICA Glove Carpus	VERSION v1.0
VARIANT [No Variations]	SHEET 6 OF 8	
AUTHOR Seb Madwick		DATE 28/06/2024

A

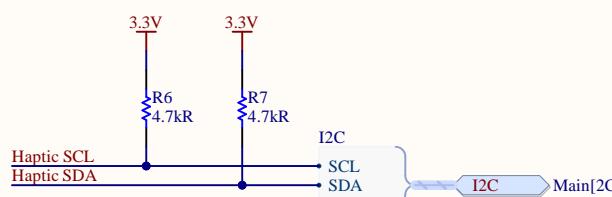
A

TODO: DRV2605L



B

B



C

C



TITLE  
Haptic.SchDoc

SIZE A4 PROJECT MICA Glove Carpus  
VERSION v1.0

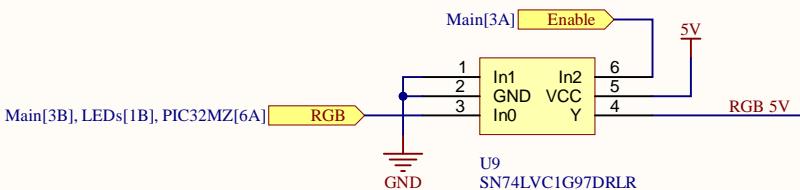
VARIANT [No Variations]

SHEET 7 OF 8

AUTHOR Seb Madwick

DATE 28/06/2024

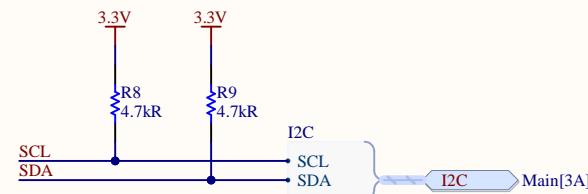
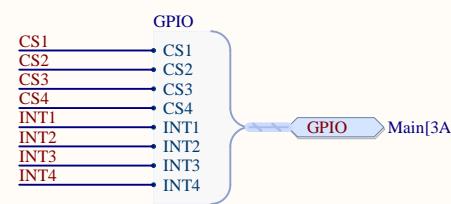
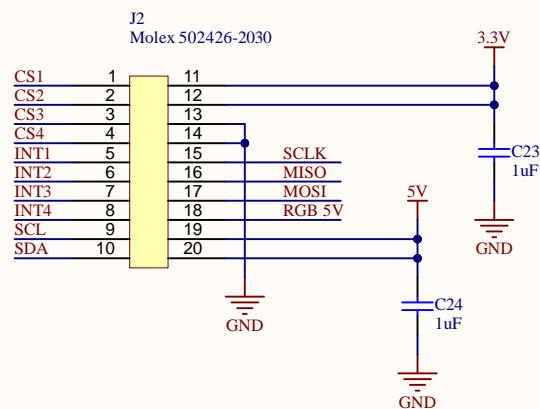
A



B



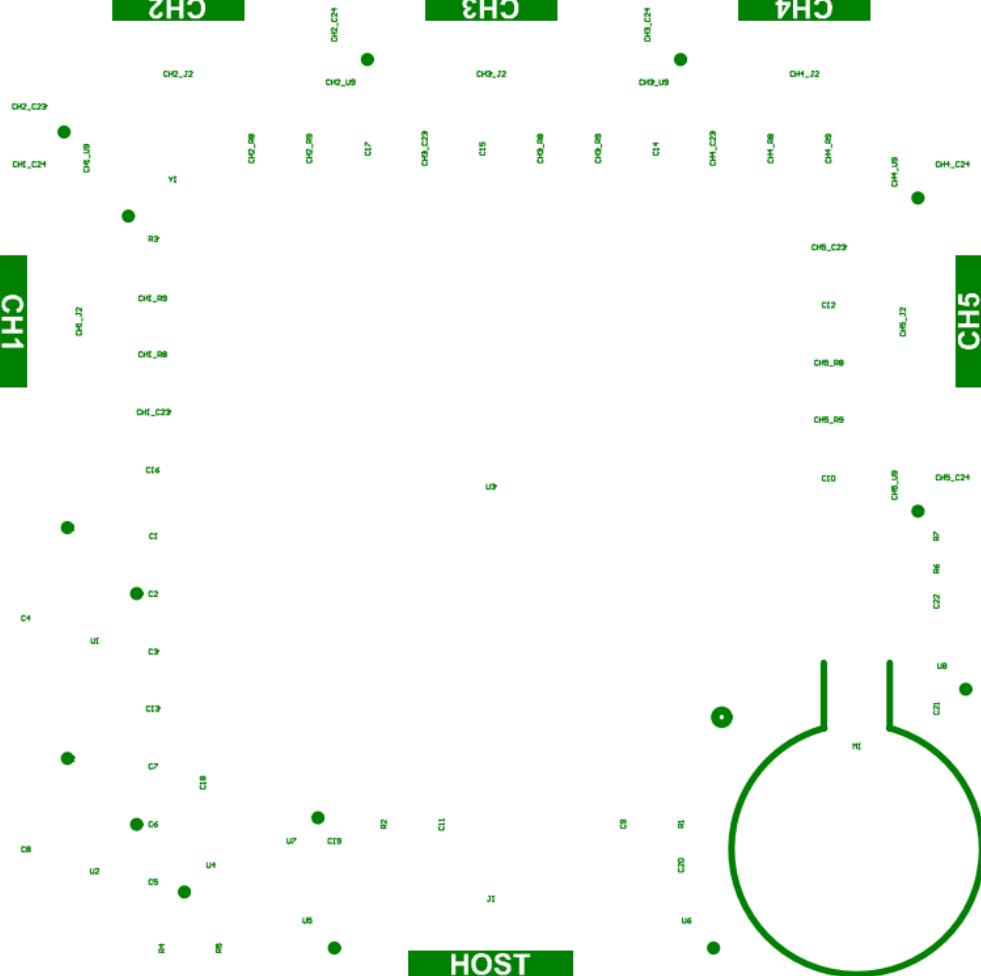
C

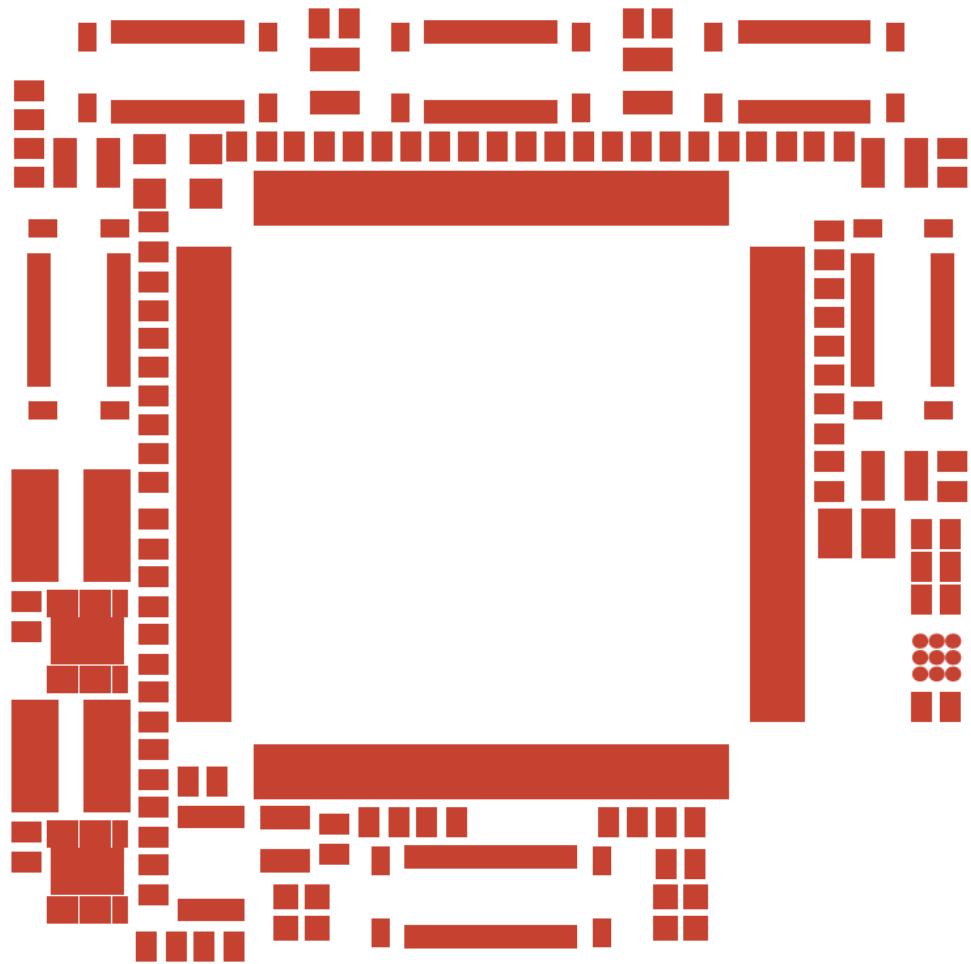


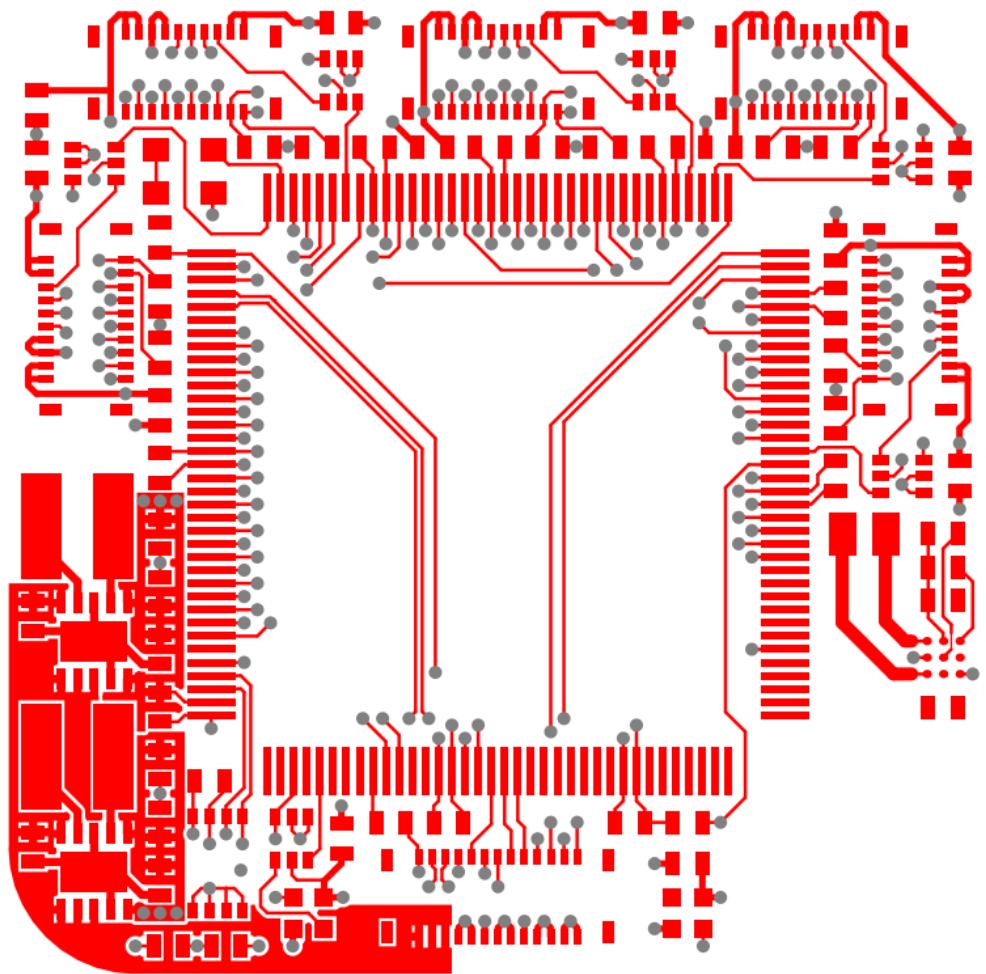
TITLE  
Metacarpal.SchDoc

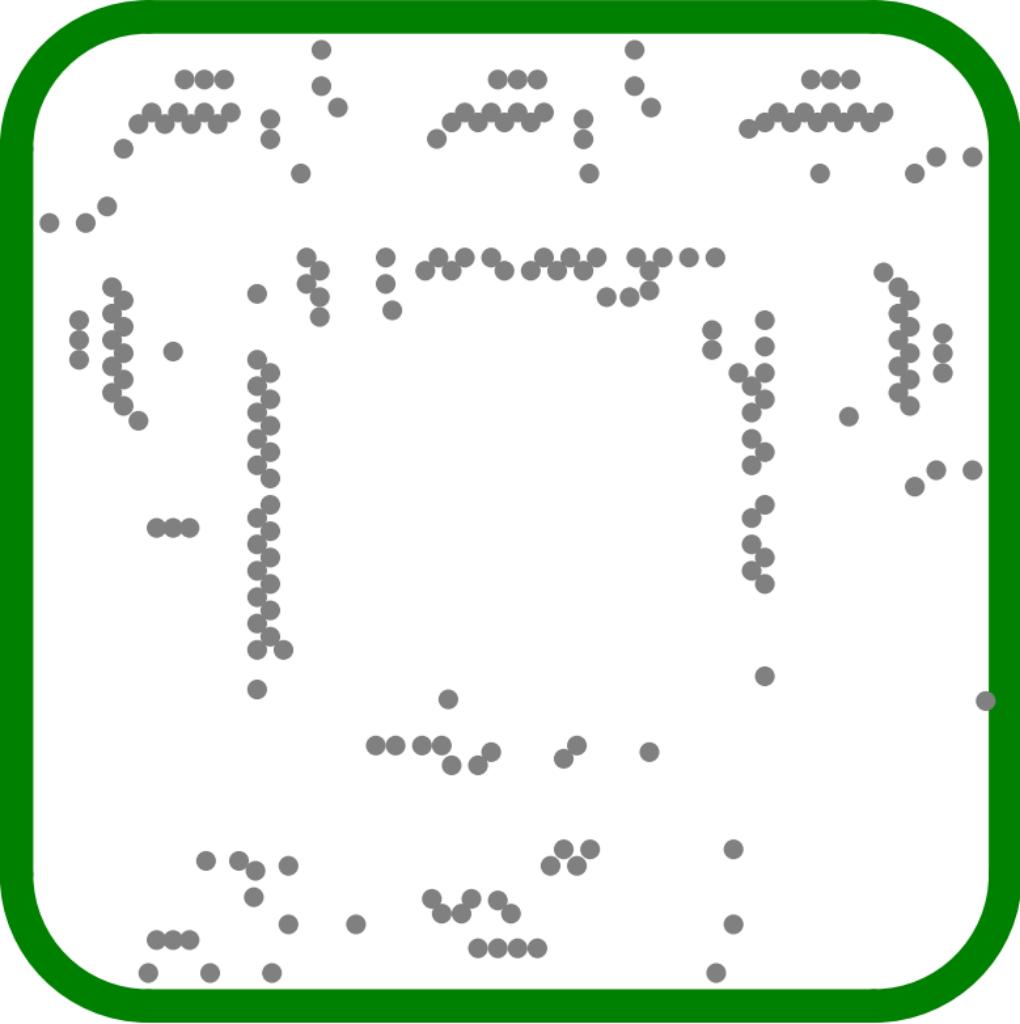
SIZE A4 PROJECT MICA Glove Carpus  
VERSION v1.0  
VARIANT [No Variations] SHEET 8 OF 8  
AUTHOR Seb Madwick DATE 28/06/2024

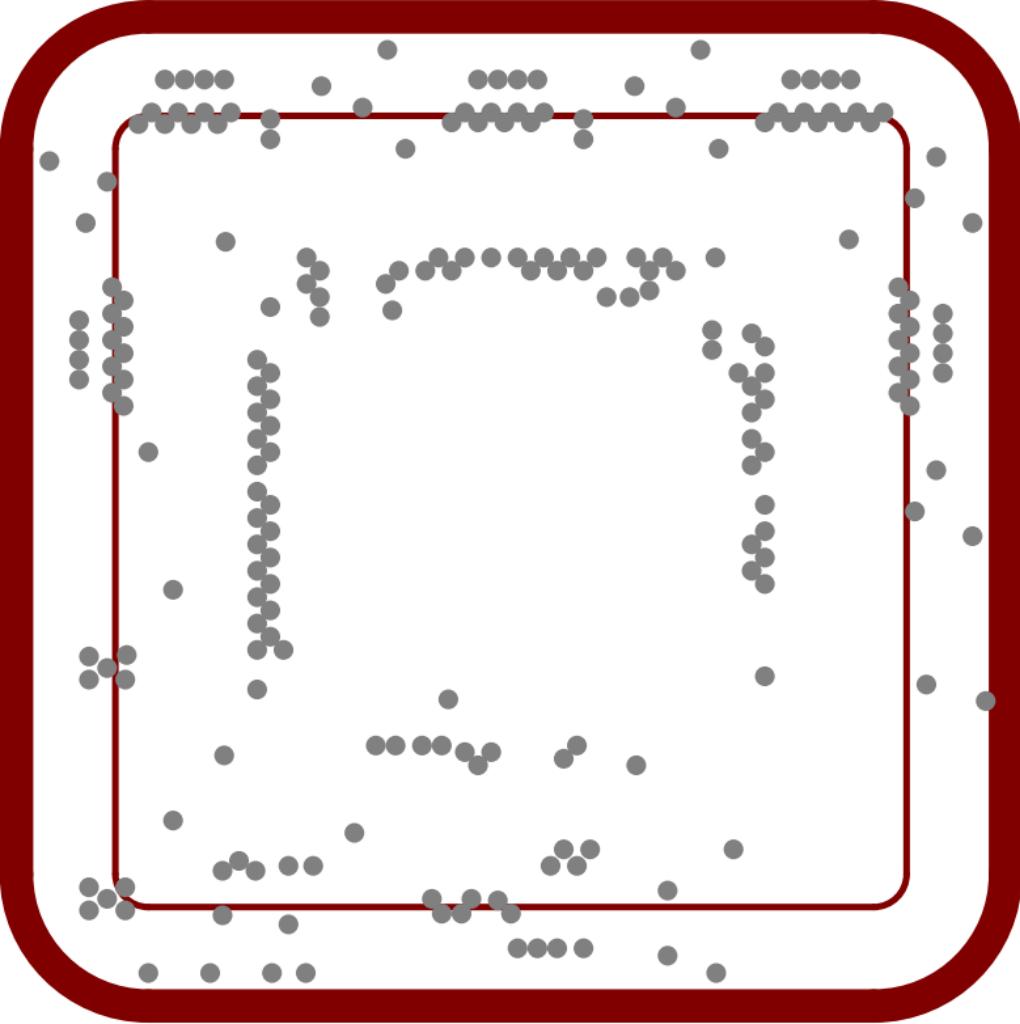
# CH1

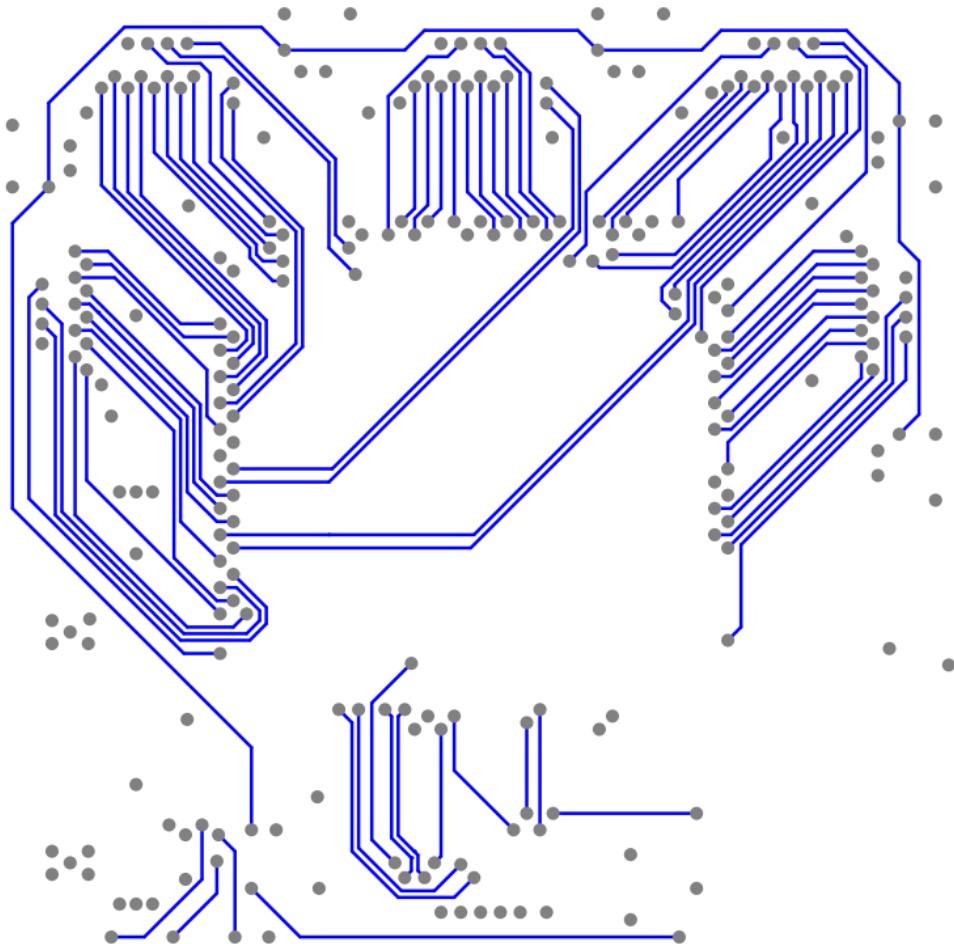






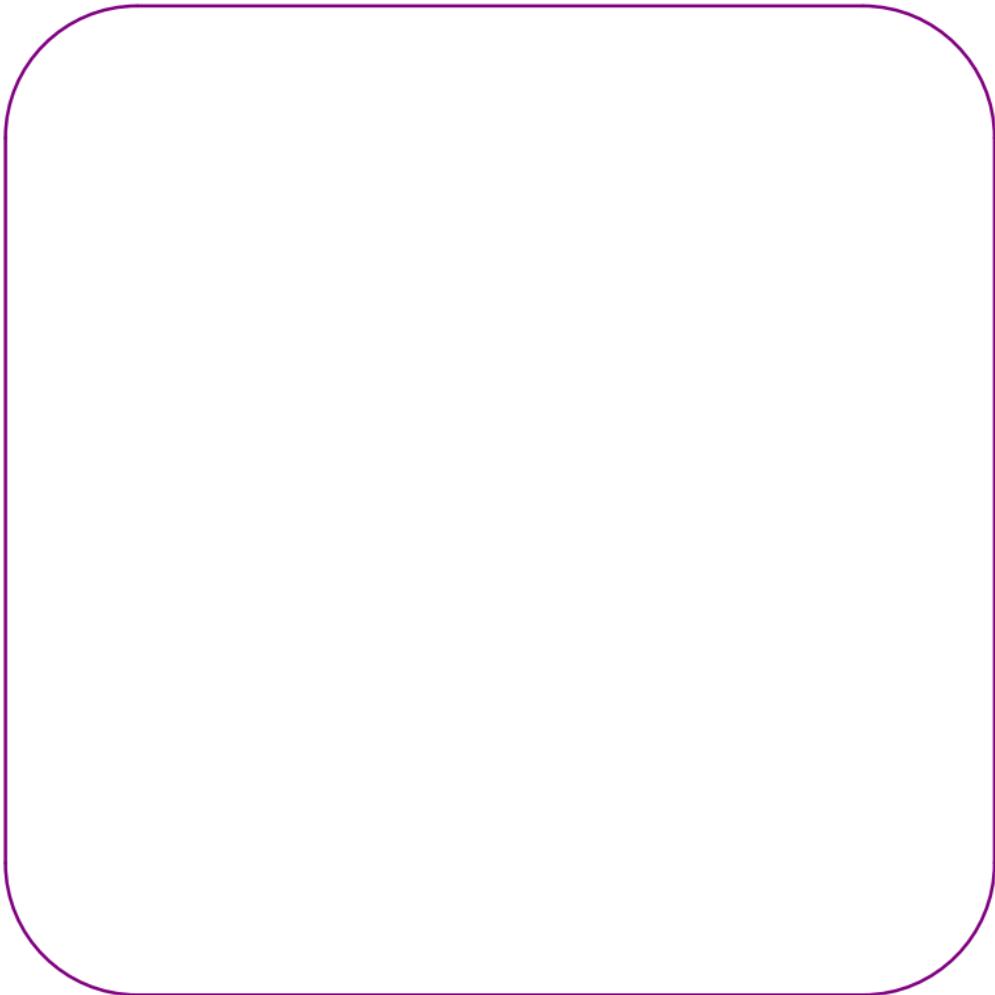


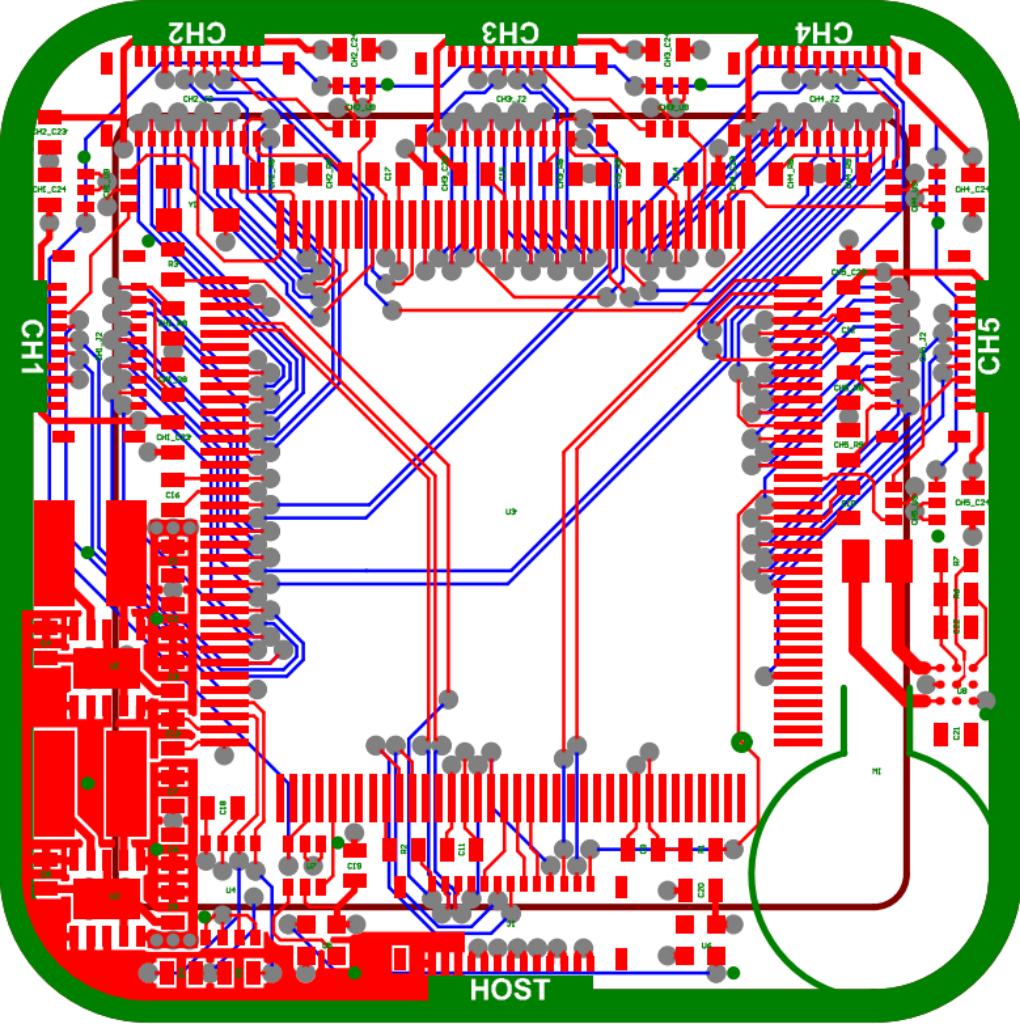


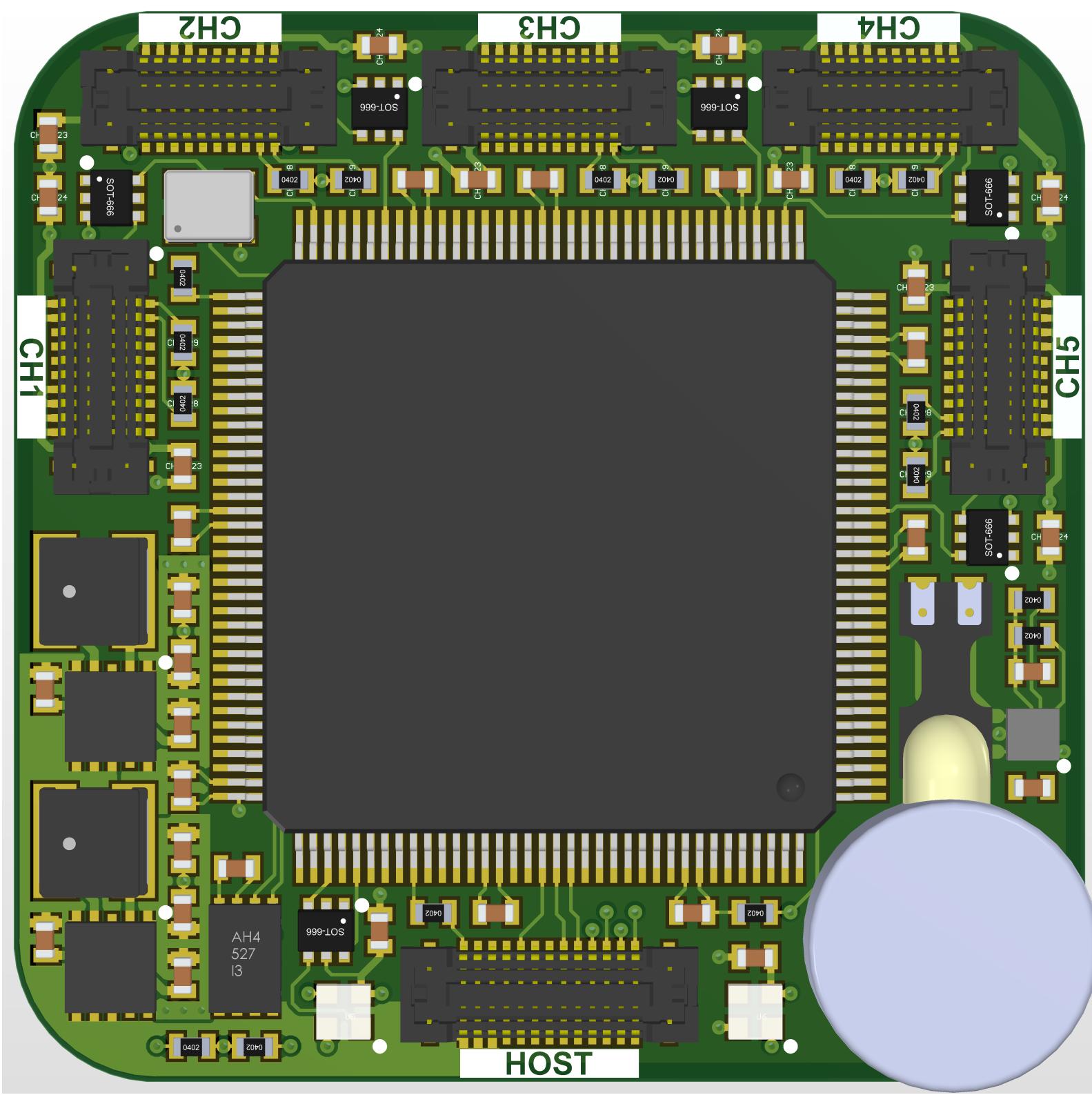


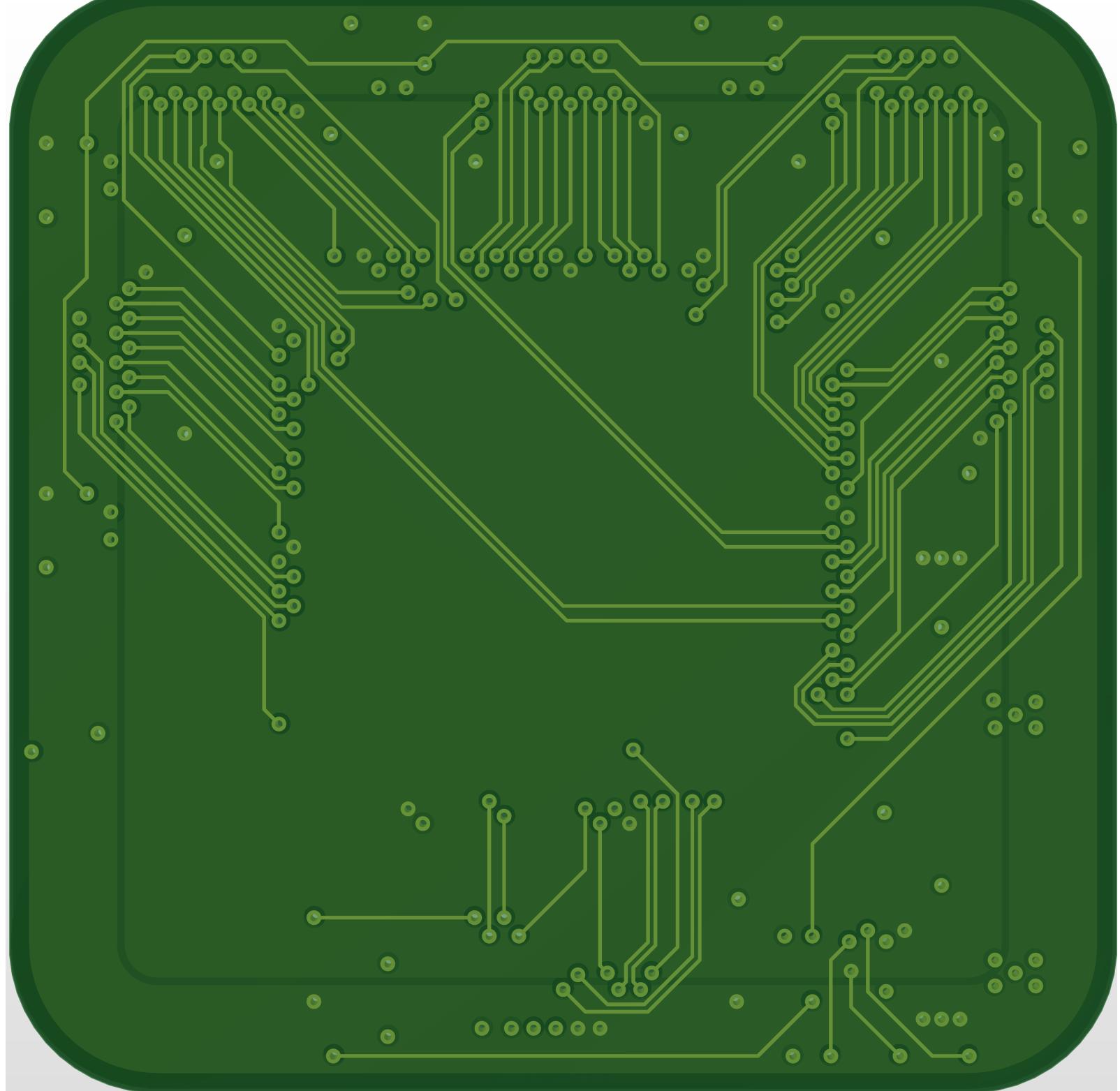




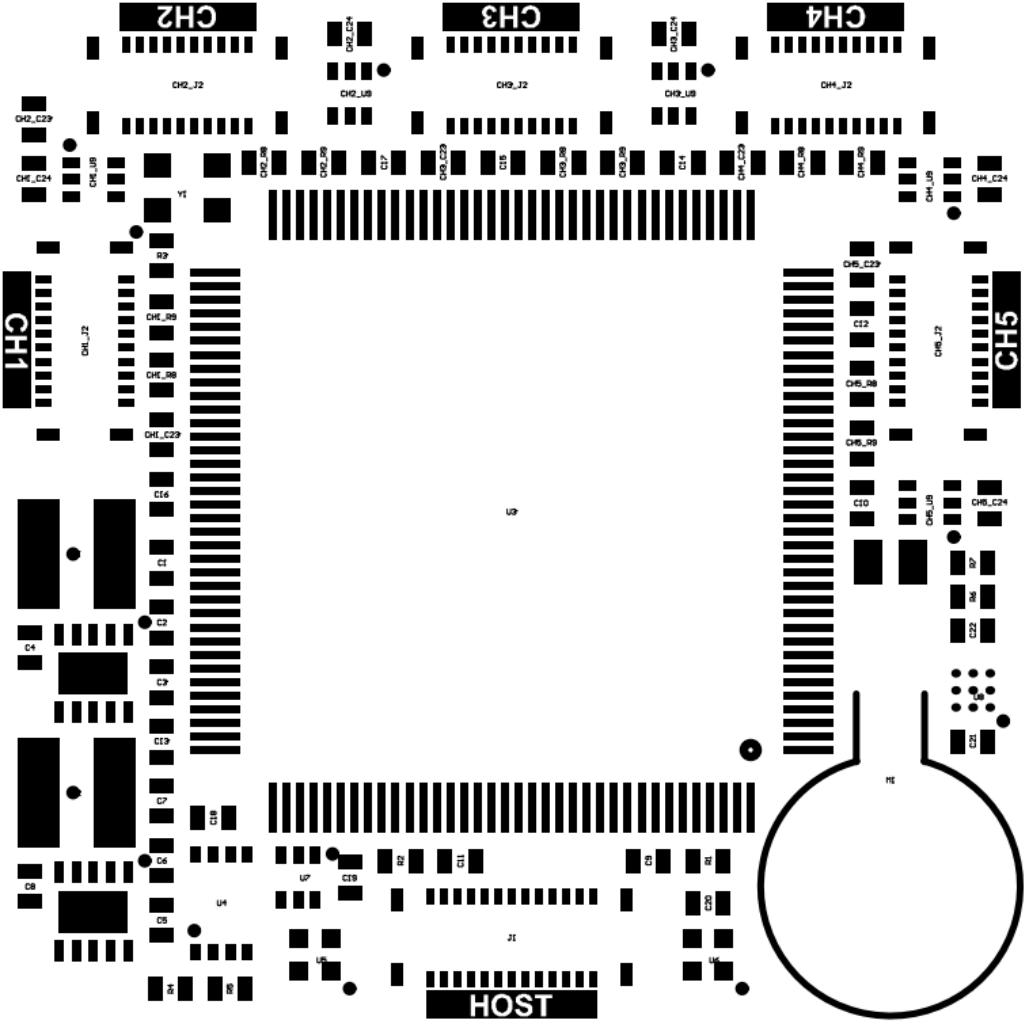














Designator	Quantity	Comment	Footprint
C1, C2, C3, C4, C5, C6, C7, C8	8	10uF	Capacitor 0402
C9, C10, C11, C12, C13, C14, C15, C16, C17, C18	10	100nF	Capacitor 0402
C19, C20, C21, C22, CH1_C23, CH1_C24, CH2_C23, CH2_C24, CH3_C23, CH3_C24, CH4_C23, CH4_C24, CH5_C23, CH5_C24	14	1uF	Capacitor 0402
CH1_J2, CH2_J2, CH3_J2, CH4_J2, CH5_J2	5	Molex 502426-2030	Molex 502426-2030
CH1_R8, CH1_R9, CH2_R8, CH2_R9, CH3_R8, CH3_R9, CH4_R8, CH4_R9, CH5_R8, CH5_R9, R4, R5, R6, R7	14	4.7kR	Resistor 0402
CH1_U9, CH2_U9, CH3_U9, CH4_U9, CH5_U9, U7	6	SN74LVC1G97DRLR	SOT-666
J1	1	Molex 502426-2630	Molex 502426-2630
L1, L2	2	3.3uH, 80mR (SRN3015C-3R3M)	LQH3NPN
M1	1	VG0832014L	VG0832014L
R1, R3	2	10kR	Resistor 0402
R2	1	470R	Resistor 0402
U1	1	TPS63001	WSON-10
U2	1	TPS63002	WSON-10
U3	1	PIC32MZ2048EFH144-250I/PH	TQFP-144 0.4mm
U4	1	24AA32AT-I/MC	TDFN-8 2x3mm
U5, U6	2	SK6805-EC15	SK6805-EC15
U8	1	DRV2605LYZF	DRV2605LYZF
Y1	1	ECS-TXO-2520-33-240-AN-TR	ECS 2x2.5mm