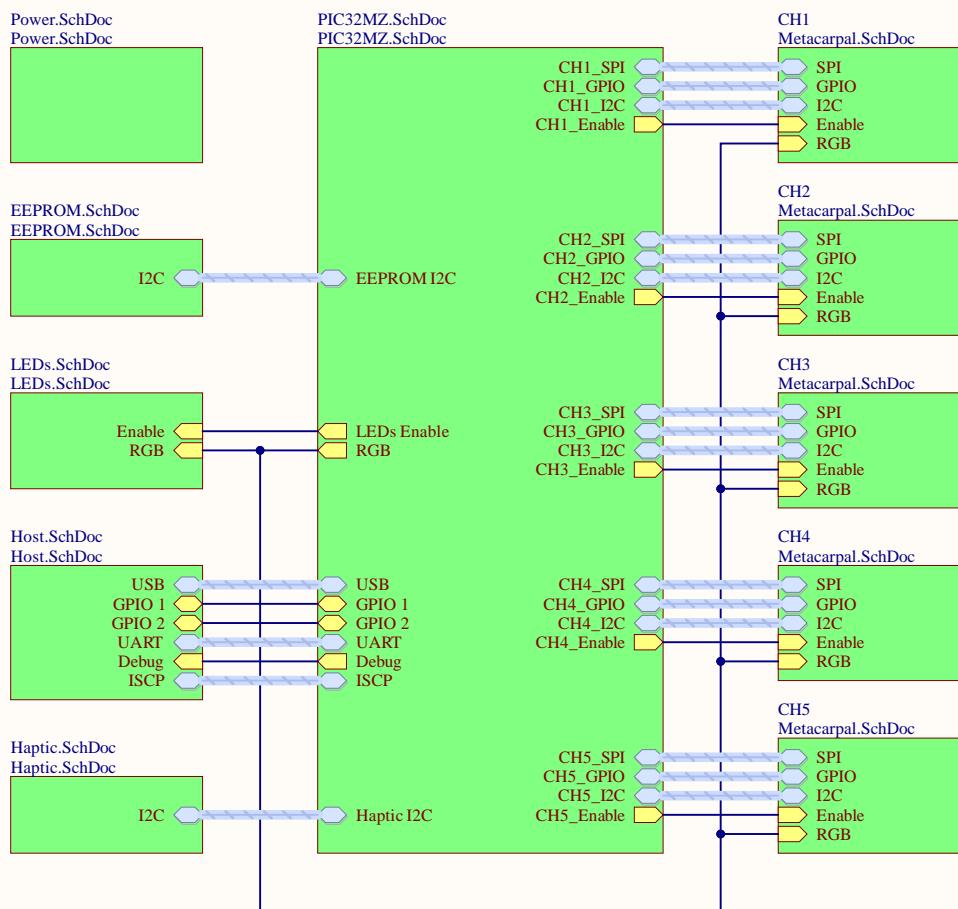
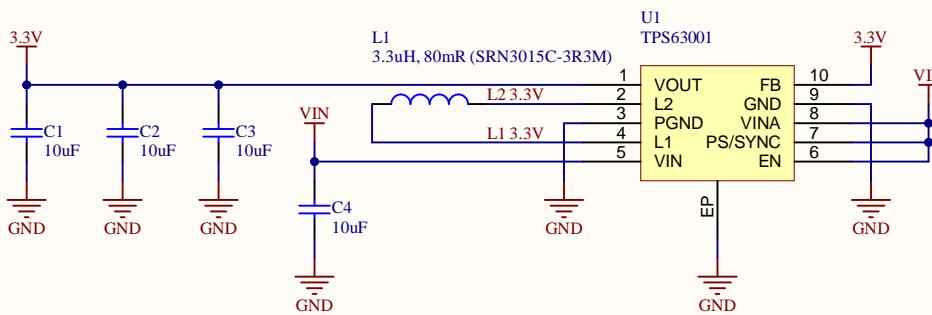


A

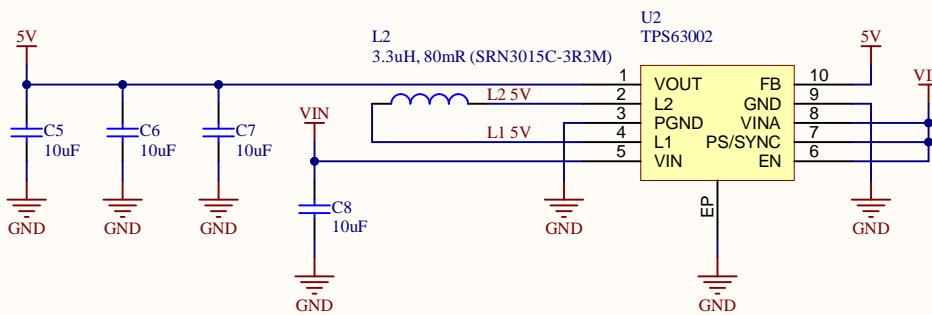


TITLE		Main.SchDoc	VERSION
SIZE	PROJECT	MICA Glove Carpus	v1.0
VARIANT	[No Variations]	SHEET	1 OF 8
AUTHOR	Seb Madwick	DATE	29/06/2024

A

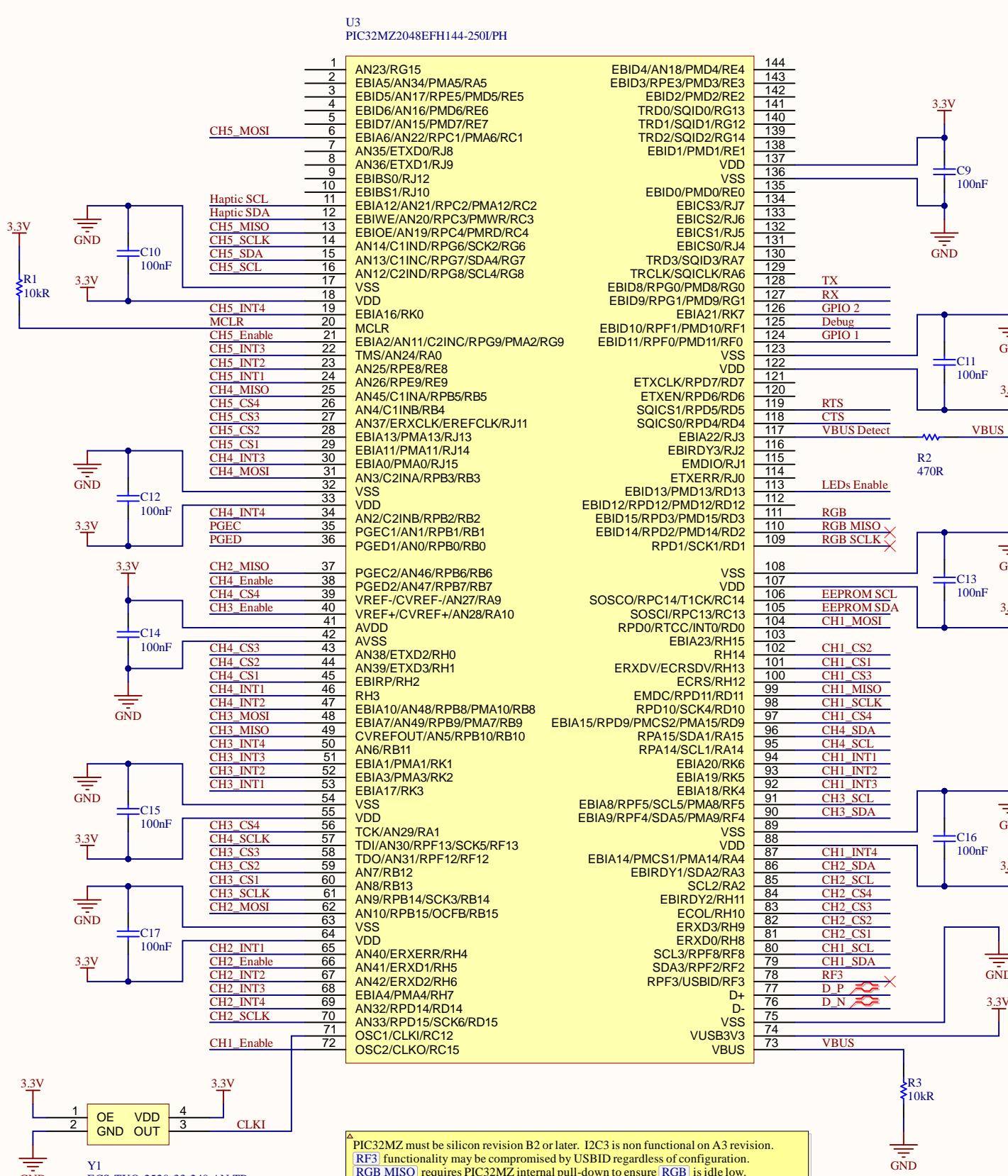


B

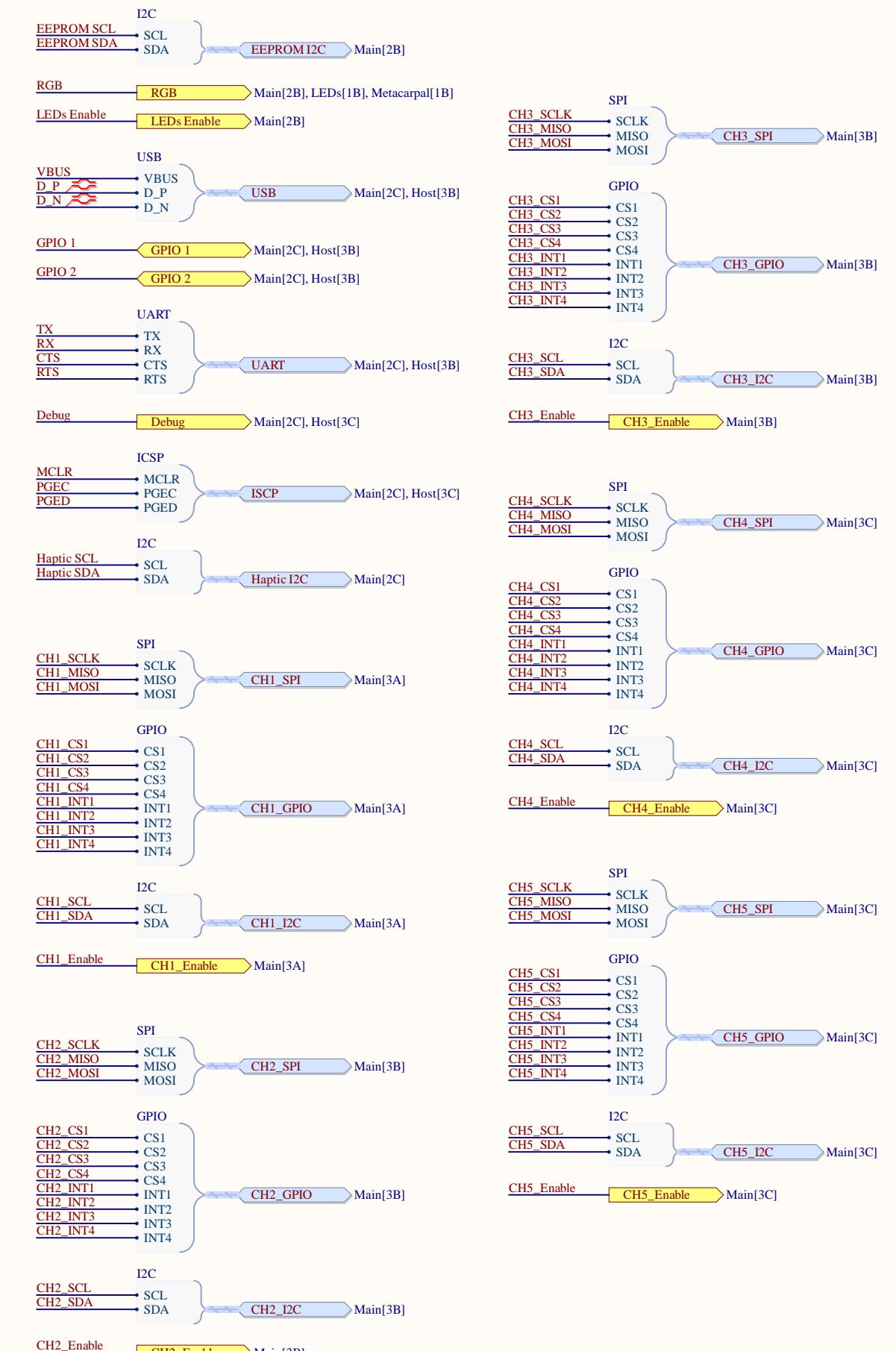


C

TITLE		PROJECT		VERSION
Power.SchDoc		MICA Glove Carpus		v1.0
VARIANT	[No Variations]	AUTHOR	Seb Madwick	DATE
				29/06/2024



A PIC32MZ must be silicon revision B2 or later. I2C3 is non functional on A3 revision. **RF3** functionality may be compromised by USBID regardless of configuration. **RGB MISO** requires PIC32MZ internal pull-down to ensure **RGB** is idle low. **PCB SCLV** will output SCK1 regardless of FPDH configuration.



A

A

B

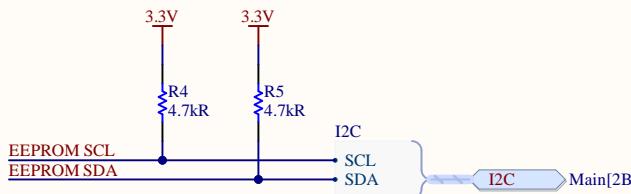
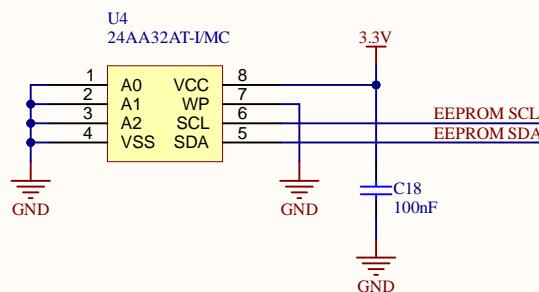
B

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 29/06/2024

A

A

B

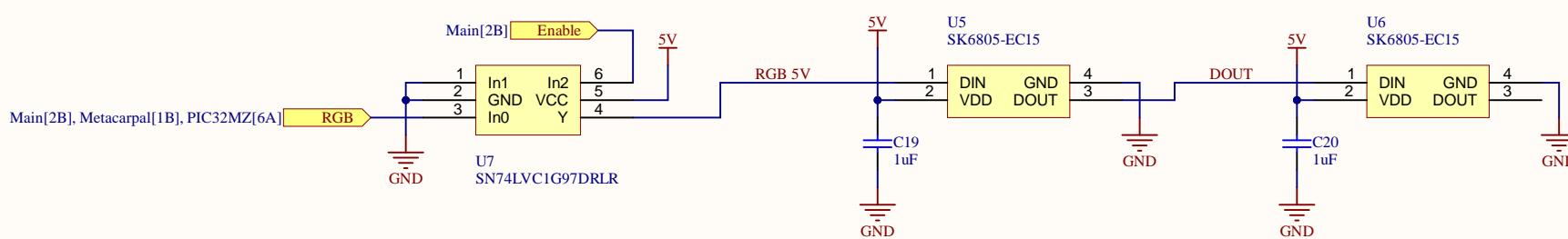
B

C

C

D

D



TITLE		
LEDs.SchDoc		
SIZE		
A4	PROJECT	VERSION
	MICA Glove Carpus	v1.0
VARIANT	[No Variations]	SHEET 5 OF 8
AUTHOR	Seb Madgwick	DATE 29/06/2024

A

B

C

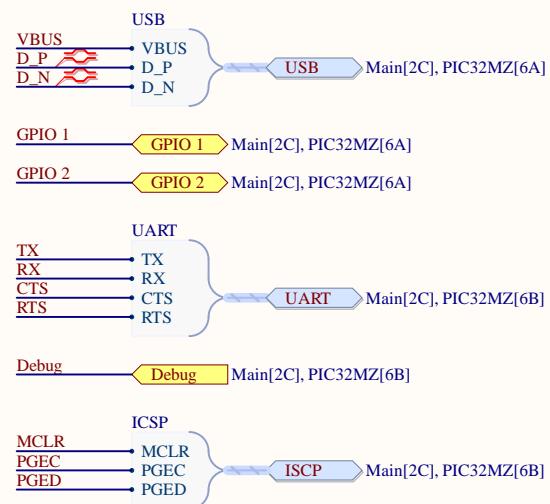
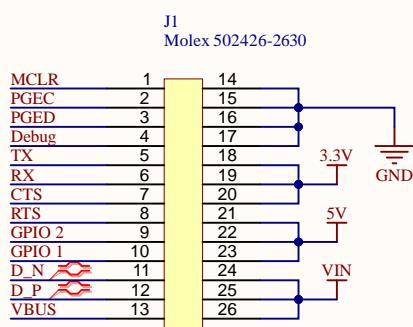
D

A

B

C

D



TITLE
Host.SchDoc

SIZE A4 PROJECT MICA Glove Carpus
VARIANT [No Variations] SHEET 6 OF 8
AUTHOR Seb Madwick DATE 29/06/2024

A

A

B

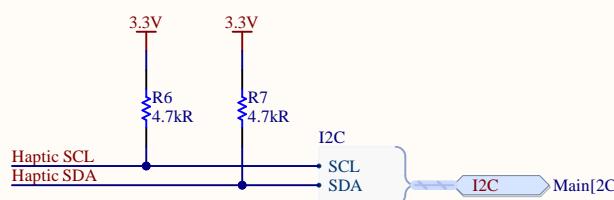
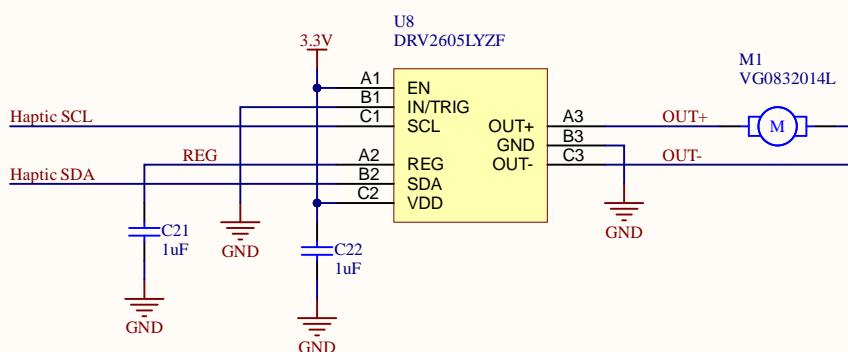
B

C

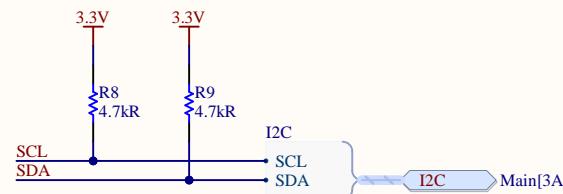
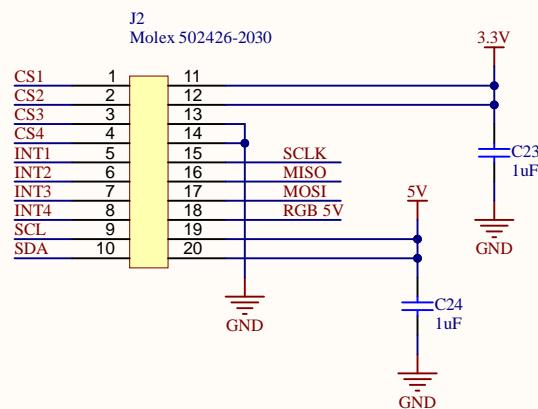
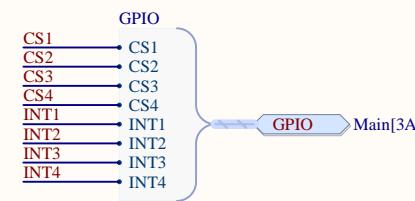
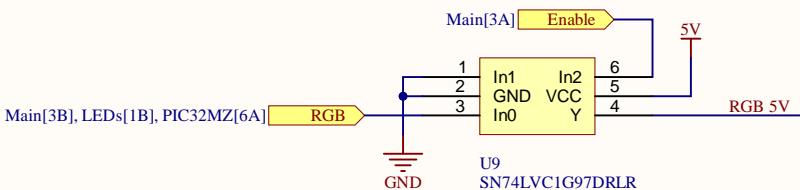
C

D

D



TITLE		
Haptic.SchDoc		
SIZE	PROJECT	VERSION
A4	MICA Glove Carpus	v1.0
VARIANT [No Variations]	SHEET 7 OF 8	
AUTHOR Seb Madwick		DATE 29/06/2024



TITLE
Metacarpal.SchDoc

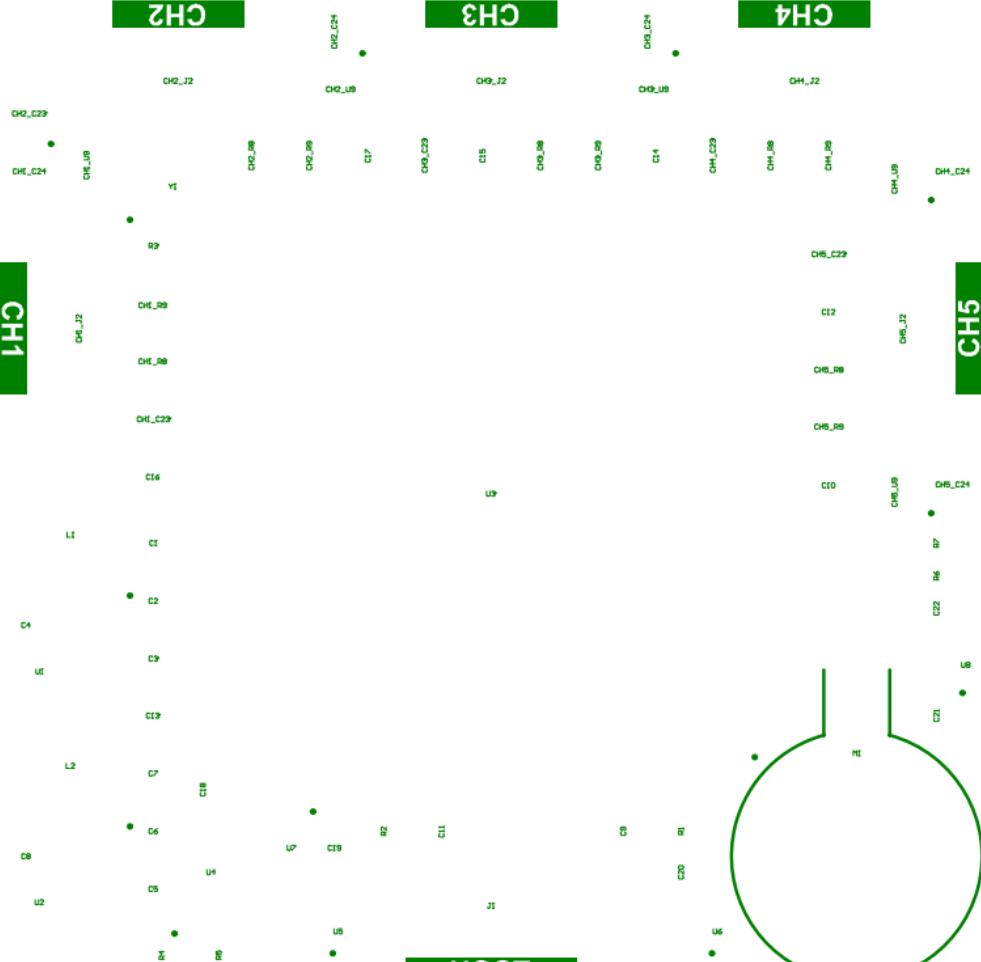
SIZE A4 PROJECT MICA Glove Carpus

VERSION v1.0

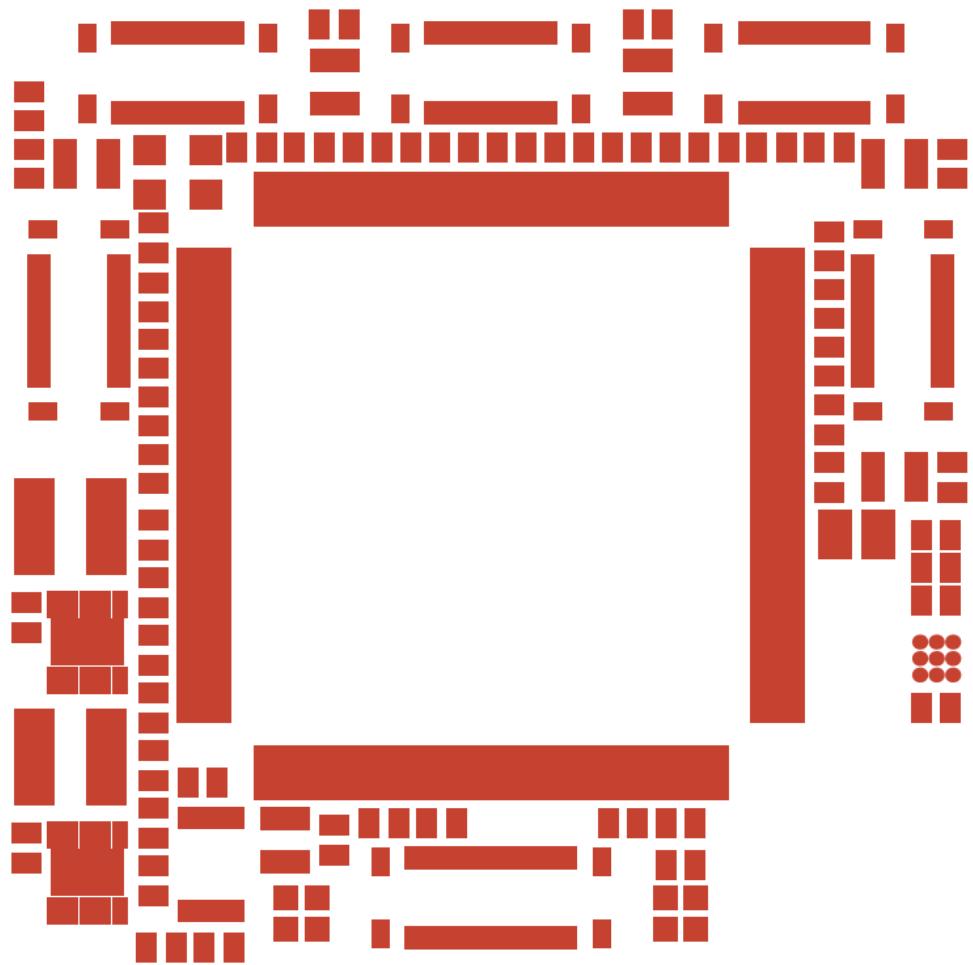
VARIANT [No Variations]

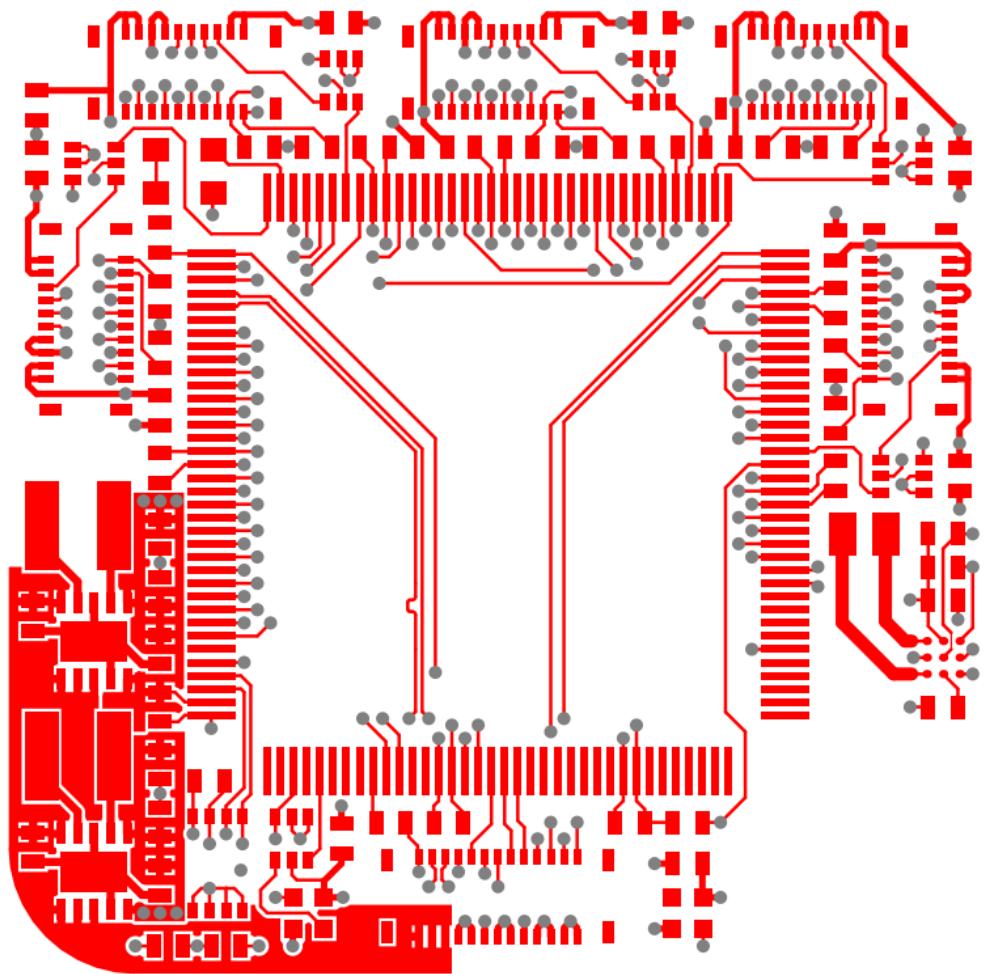
DATE 29/06/2024

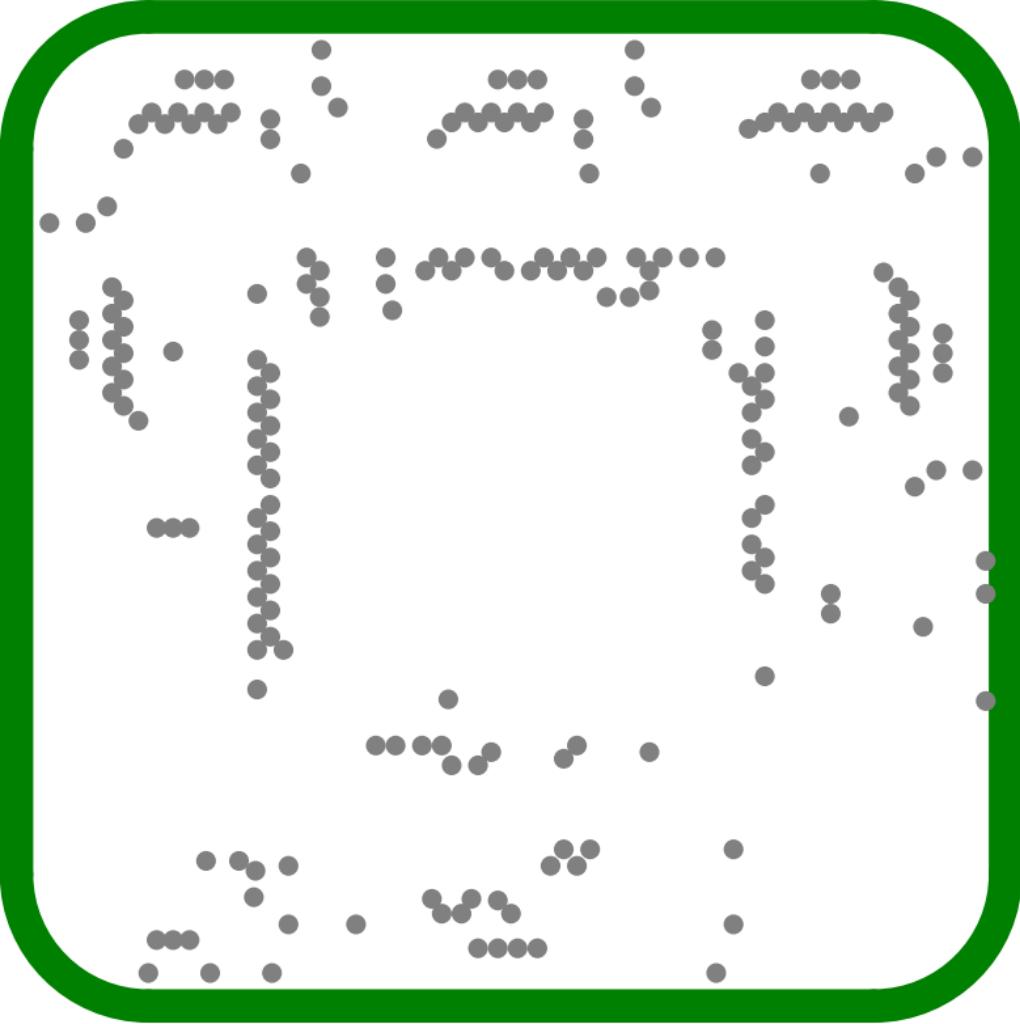
CH1

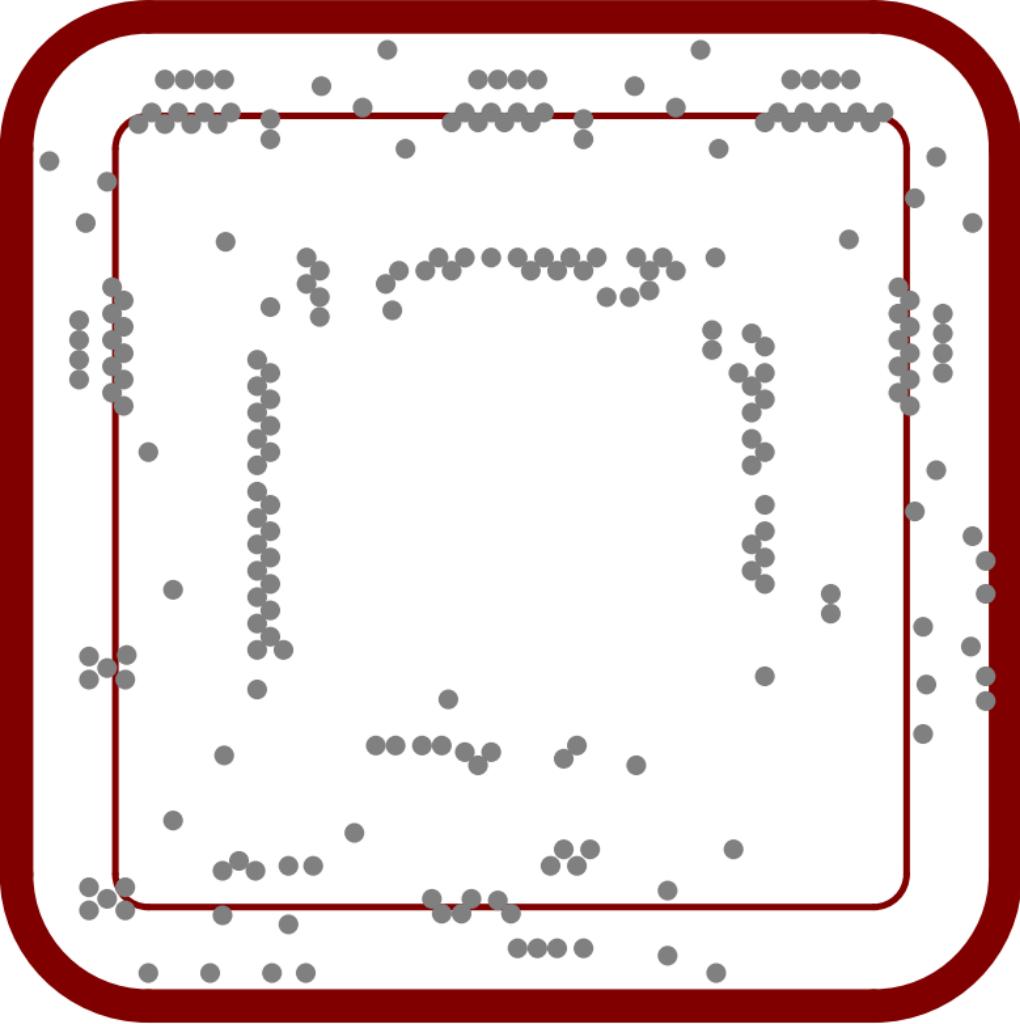


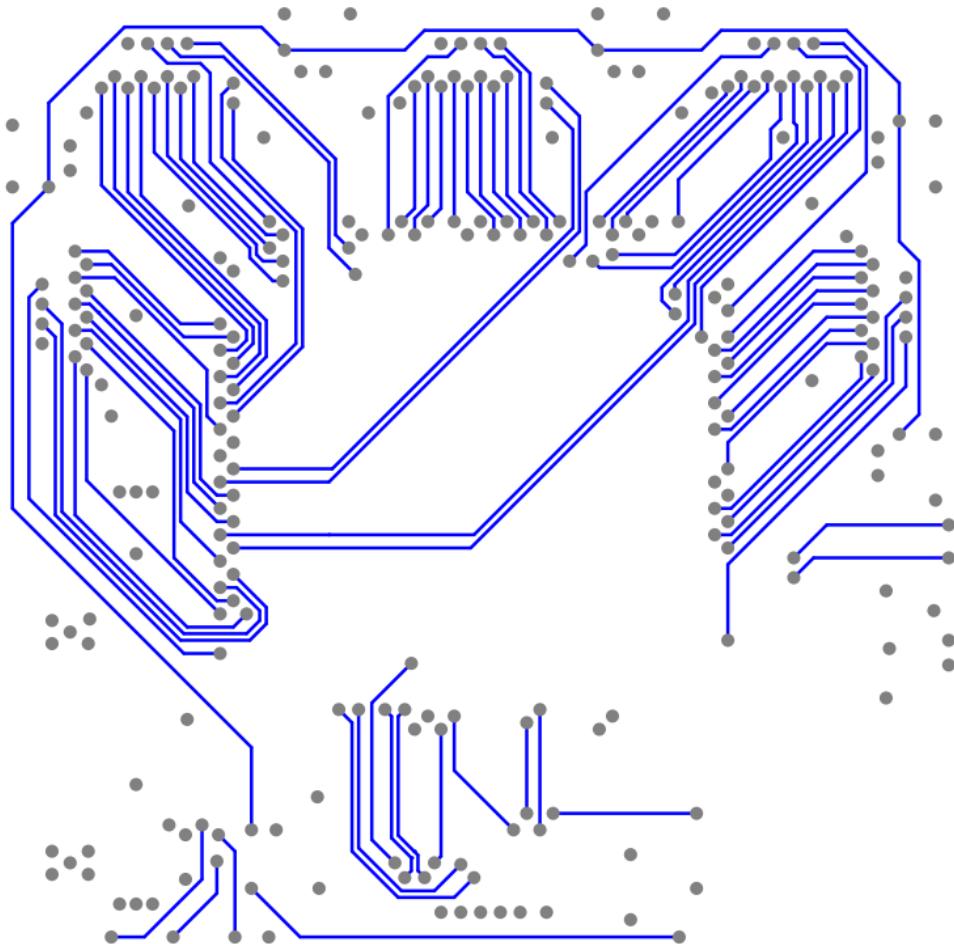
HOST





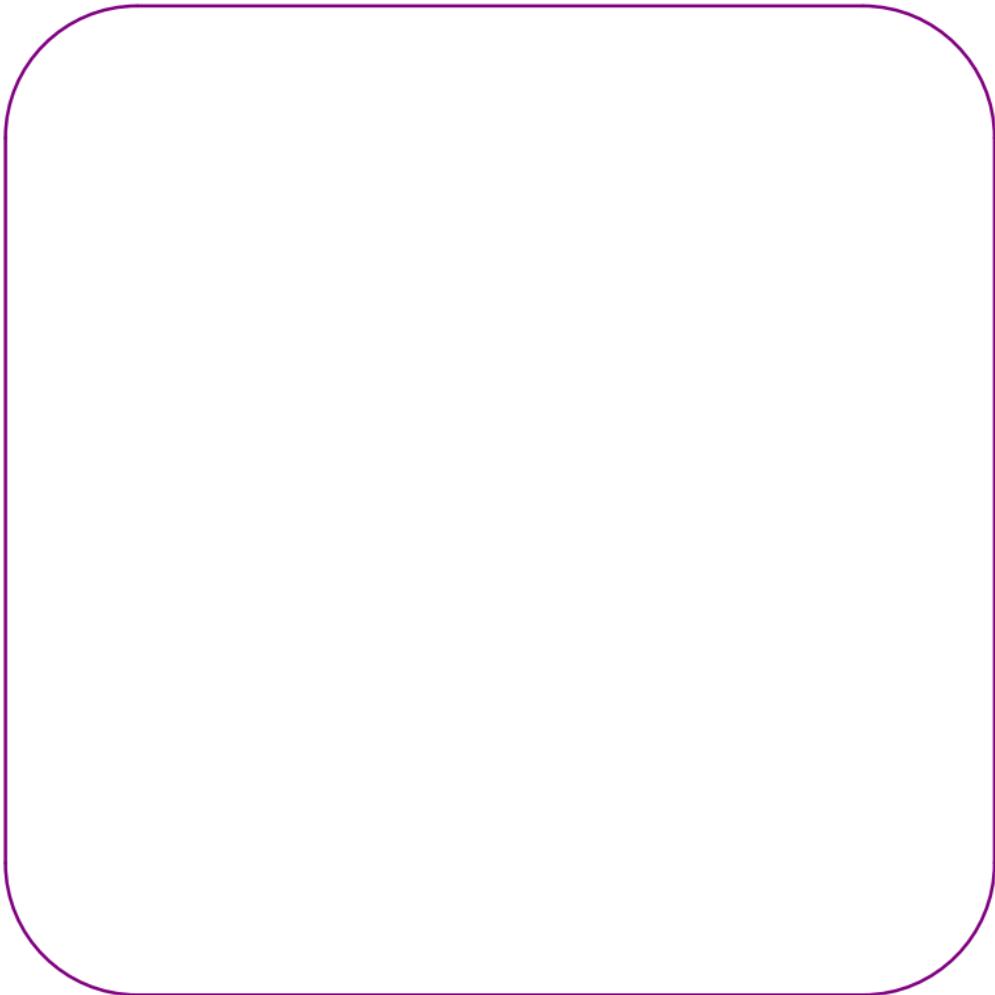


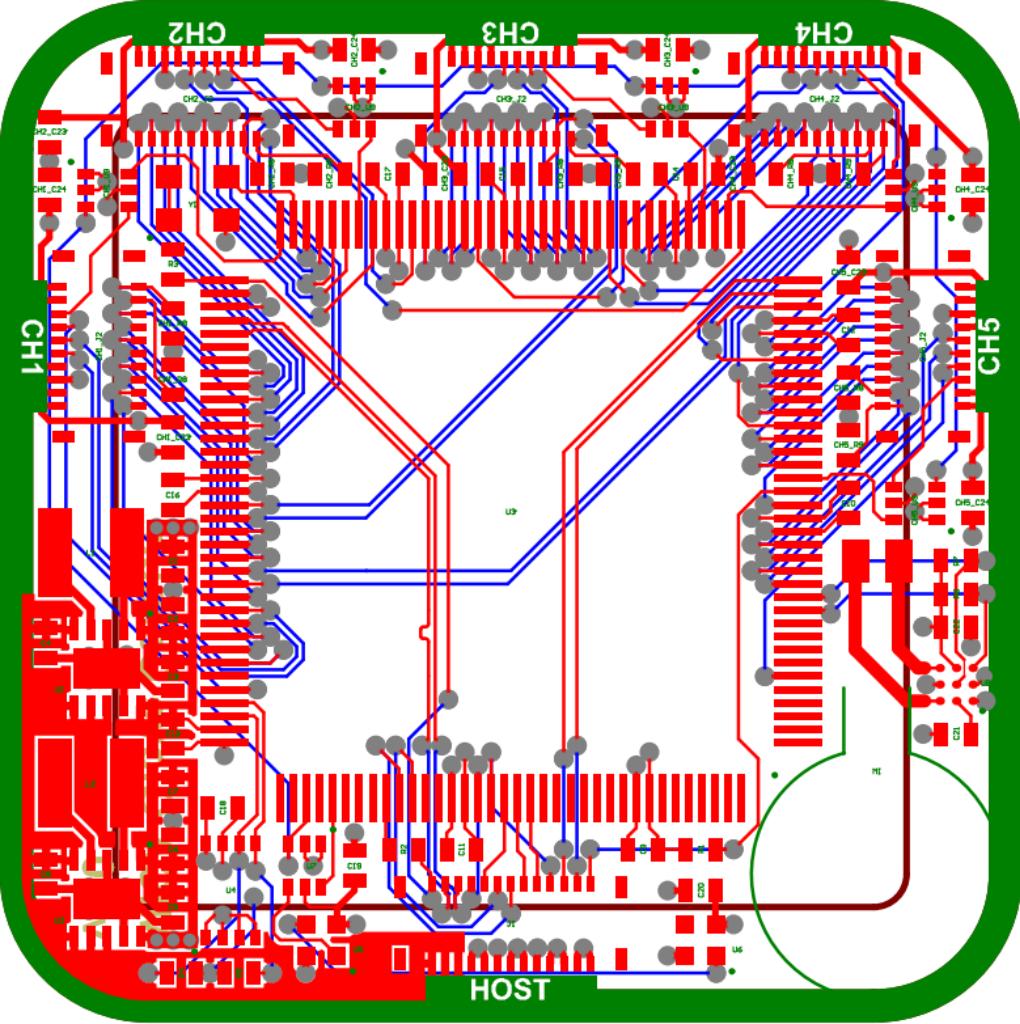


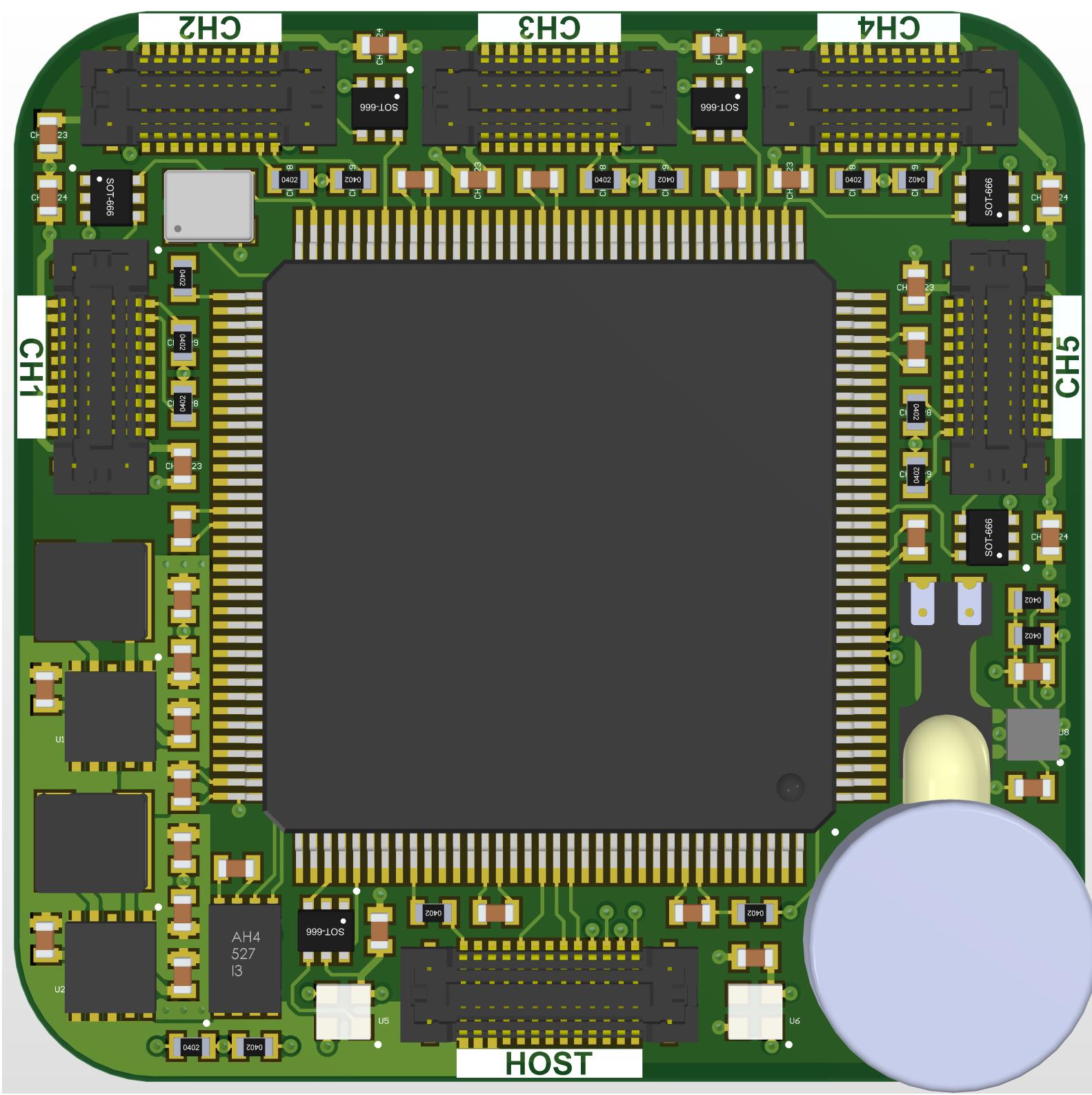


0.1V

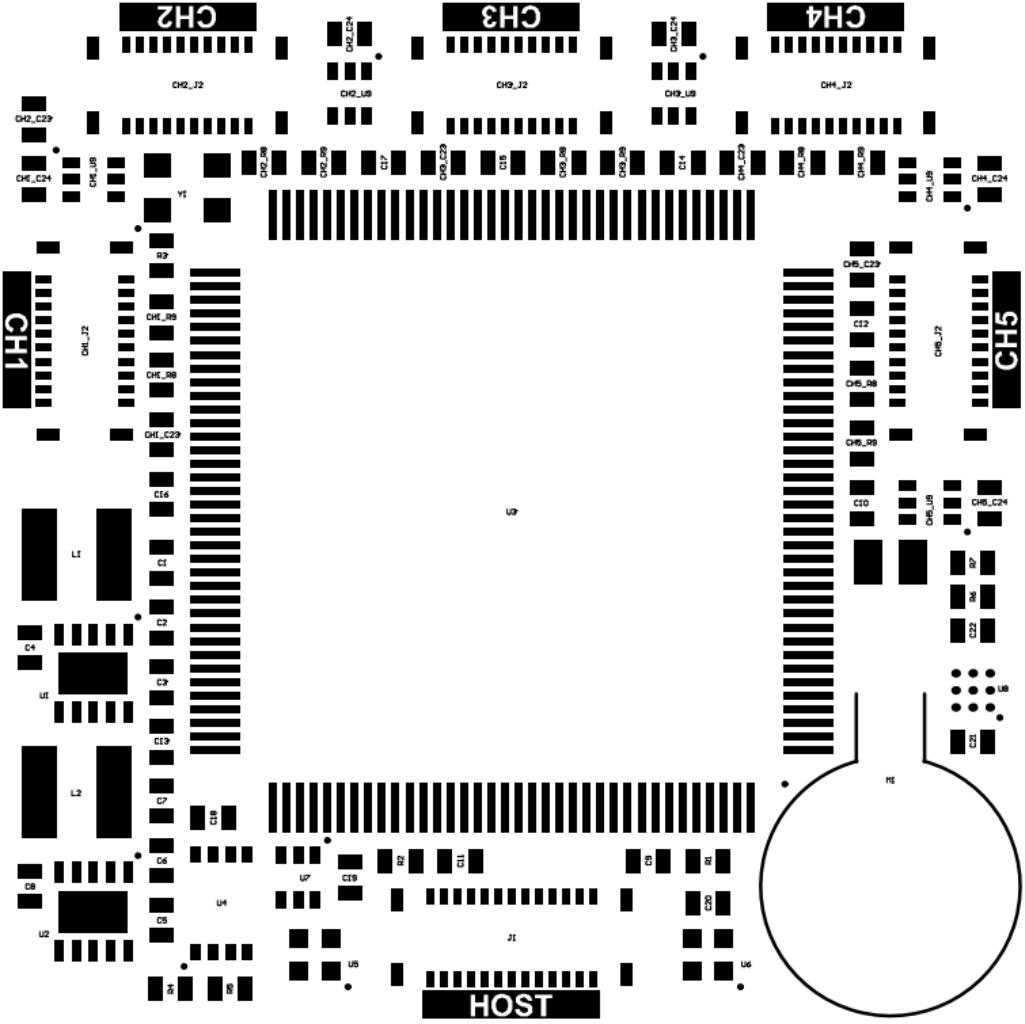
WIC A Glove Cartridges







MICA Glove Campus
v1.0



MICA Glove Campus
v1.0

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)	SRN3015C
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