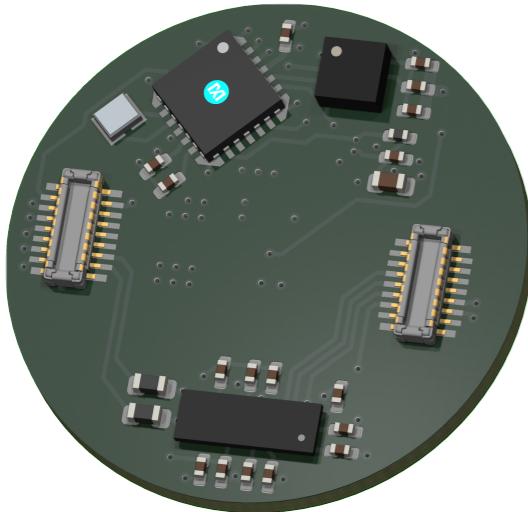
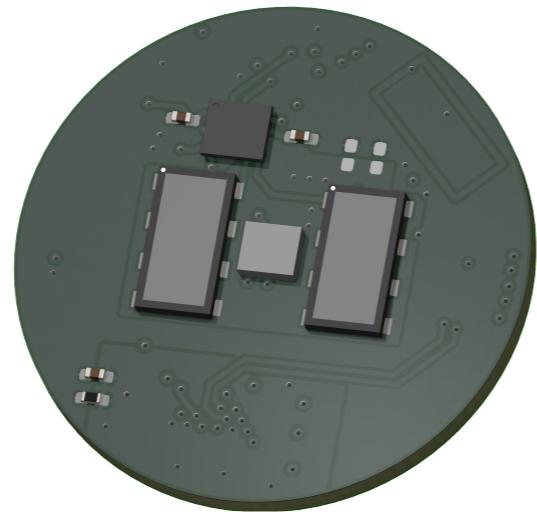


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1	Cover Page	11	Error: XML File not found	21	Error: XML File not found	31	Error: XML File not found
2	Error: XML File not found	12	Error: XML File not found	22	Error: XML File not found	32	Error: XML File not found
3	Error: XML File not found	13	Error: XML File not found	23	Error: XML File not found	33	Error: XML File not found
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10	Error: XML File not found	20	Error: XML File not found	30	Error: XML File not found	40	Error: XML File not found

TOP VIEW



BOTTOM VIEW



DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for informational design notes.

DESIGN NOTE:
Example text for debug notes.

DESIGN NOTE:
Example text for cautionary design notes.

DESIGN NOTE:
Example text for critical design notes.

LAYOUT NOTE:
Example text for critical layout guidelines.

NOTES

Comment

Not fitted components are marked as

DRAFT - Very early stage of schematic, ignore details.

PRELIMINARY - Close to final schematic.

CHECKED - There shouldn't be any mistakes. Contact the engineer if you find any.

RELEASED - A board with this schematic has been sent to production.

Date: 06-Feb-2026

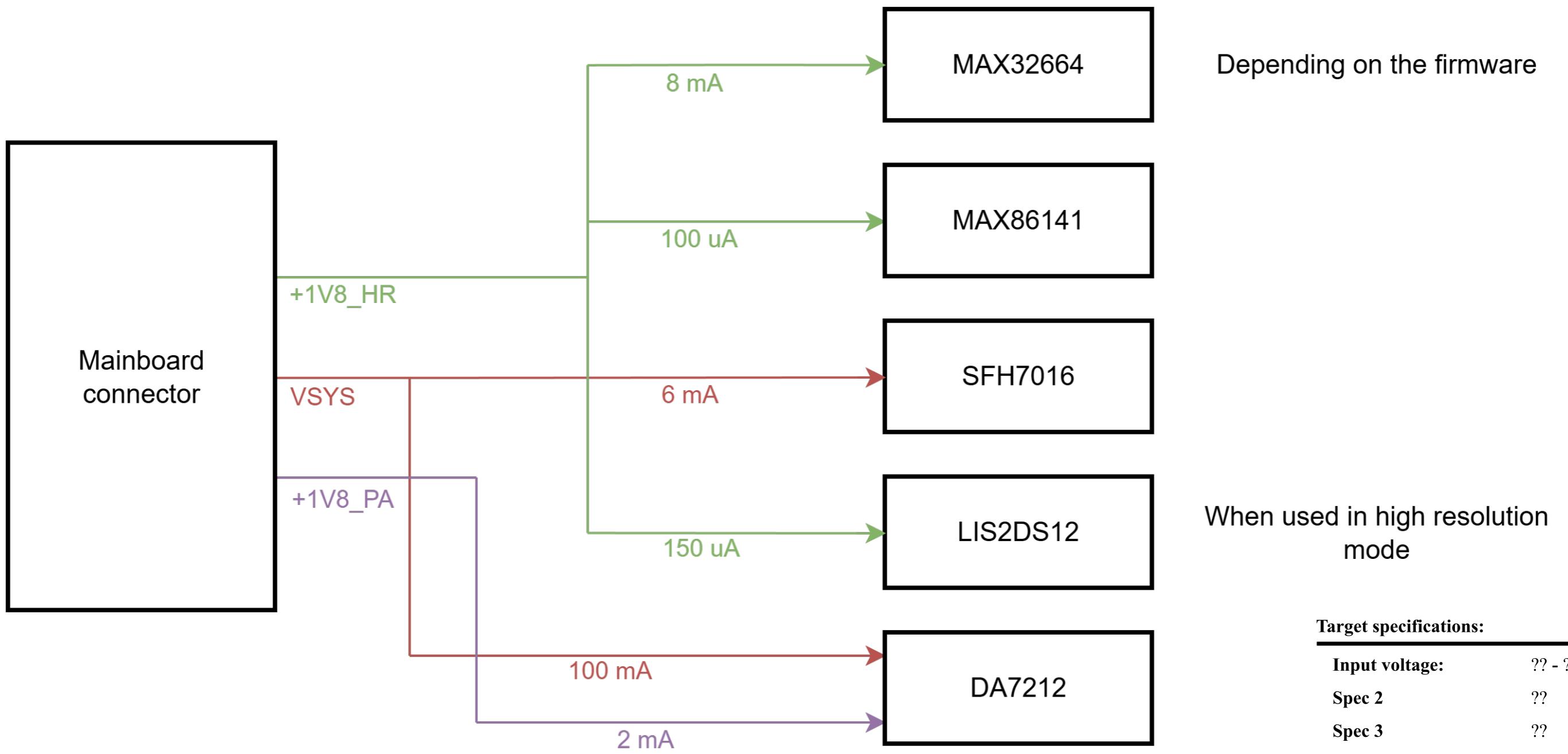
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	Board Name: Heartrate-HW	Project Name: ZSWatch Heartrate		
	Sheet Title: File Name: ZSWatch-Extension.kicad_sch	Designer: Daniel Kampert	Date: 2025-07-13	Revision: + (Unreleased)
	Sheet Path: /	Reviewer:	Size: A3	Sheet: 1 of 8

[2] Block Diagram

1	2	3	4	5	6	7	8
A							A
B							B
C							C
D							D
E							E
F							F
1	2	3	4	5	6	7	8

Comments:	Company: ZSWatch		Variant: PRELIMINARY	Git Hash: 6736584	
	Board Name: Heartrate-HW		Project Name: ZSWatch Heartrate		
	Sheet Title: Block Diagram	File Name: Block Diagram.kicad_sch	Designer: Daniel Kampert	Date: 2025-07-13	Revision: + (Unreleased)
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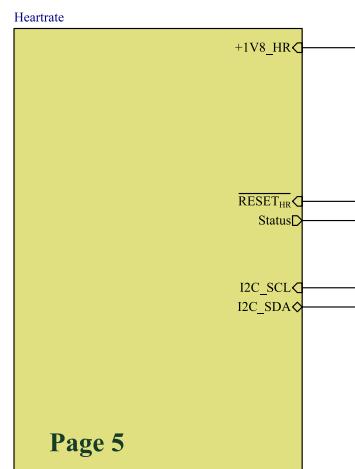
[3] Power - Topology



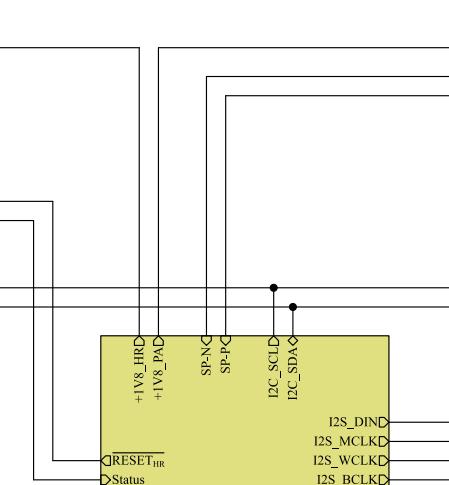
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Sheet Title: Power - Topology	File Name: Power - Topology.kicad_sch	Designer: Daniel Kampert	Date: 2025-07-13 + (Unreleased)
Sheet Path: /Power - Topology/	Reviewer:	Size: A3	Sheet: 3 of 8

[4] Project Architecture

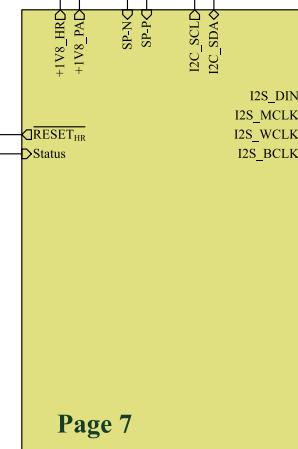
A



B



A

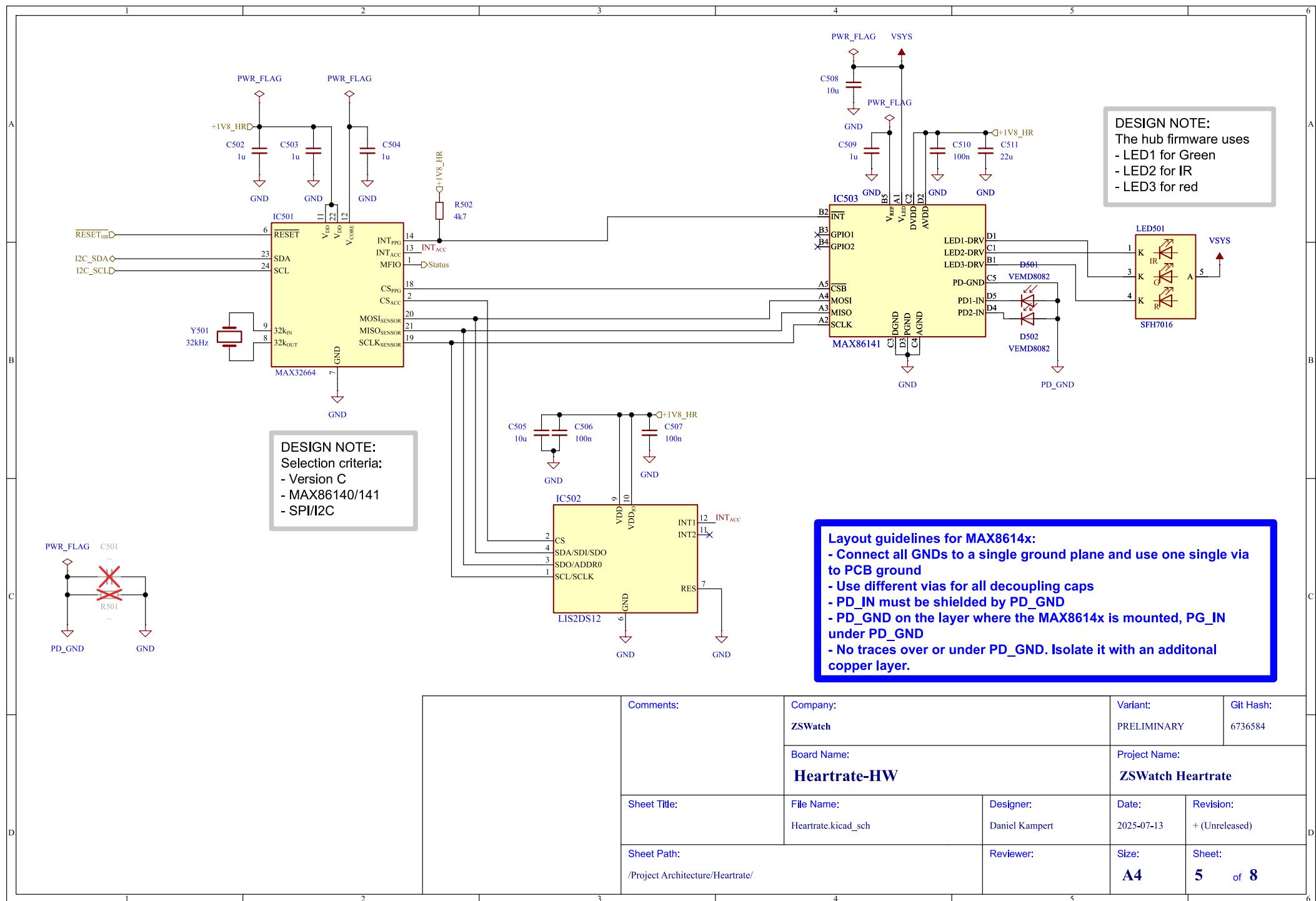


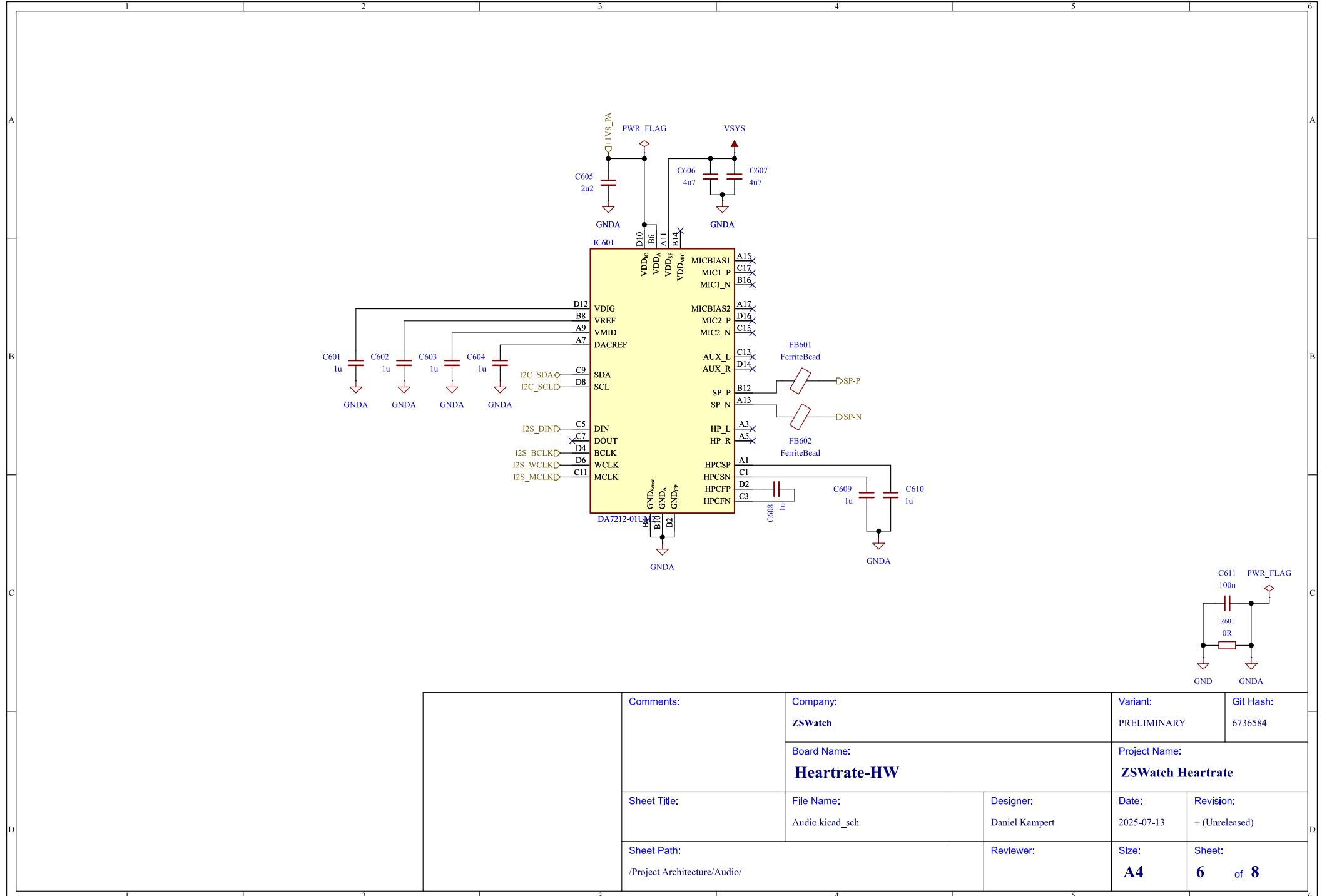
C

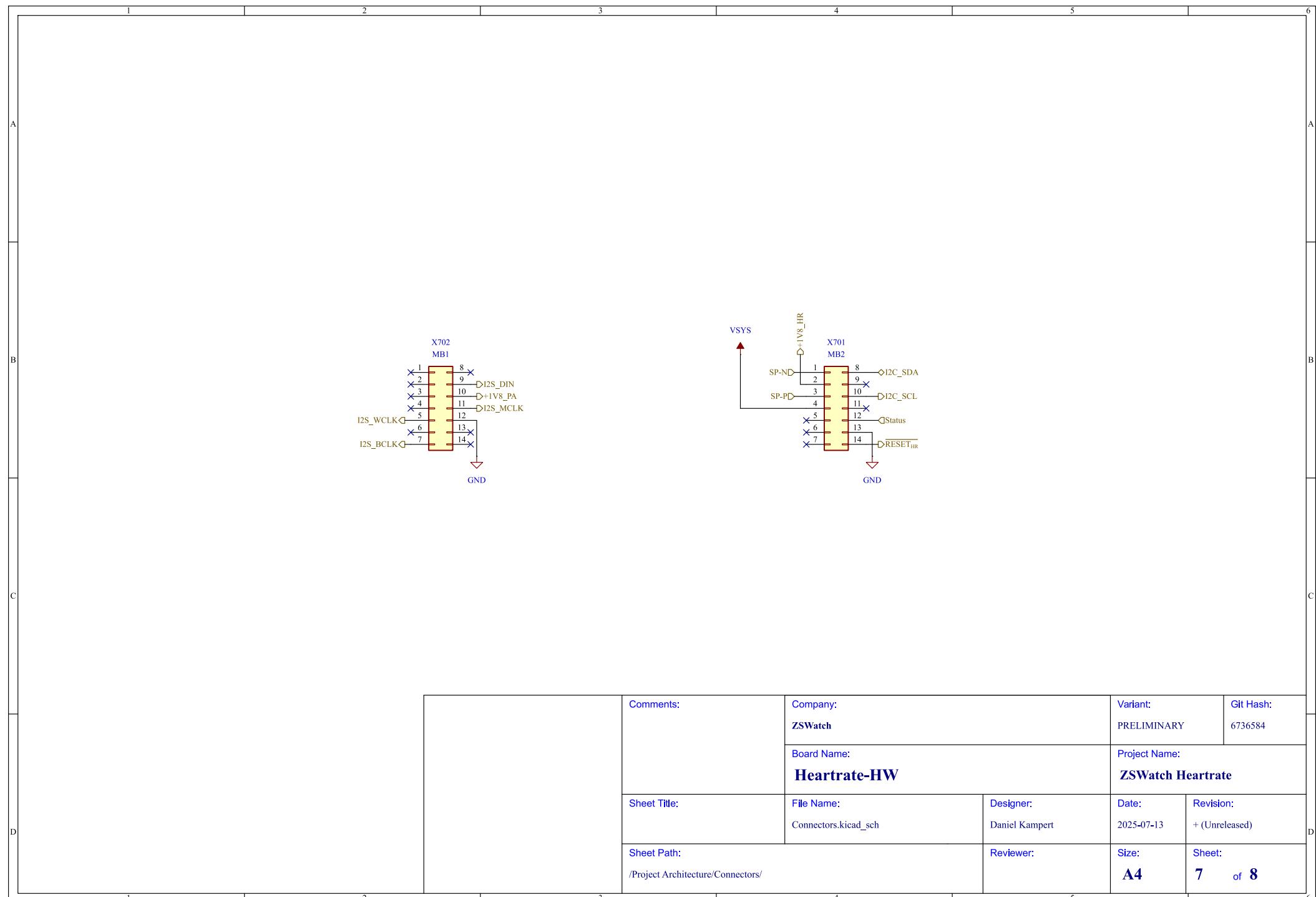
B

C

	Comments:	Company: ZSWatch	Variant: PRELIMINARY	Git Hash: 6736584
	Board Name: Heartrate-HW	Project Name: ZSWatch Heartrate		
	Sheet Title: Project Architecture	File Name: Project Architecture.kicad_sch	Designer: Daniel Kampert	Date: 2025-07-13 Revision: + (Unreleased)
	Sheet Path: /Project Architecture/		Reviewer:	Size: A4 Sheet: 4 of 8







[8] Revision History

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B					B																	
C					C																	
D		<table border="1"><tr><td>Comments:</td><td>Company: ZSWatch</td><td>Variant: PRELIMINARY</td><td>Git Hash: 6736584</td></tr><tr><td></td><td>Board Name: Heartrate-HW</td><td>Project Name: ZSWatch Heartrate</td><td></td></tr><tr><td>Sheet Title: Revision History</td><td>File Name: Revision History.kicad_sch</td><td>Designer: Daniel Kampert</td><td>Date: 2025-07-13</td><td>Revision: + (Unreleased)</td></tr><tr><td>Sheet Path: /Revision History/</td><td></td><td>Reviewer:</td><td>Size: A4</td><td>Sheet: 8 of 8</td></tr></table>	Comments:	Company: ZSWatch	Variant: PRELIMINARY	Git Hash: 6736584		Board Name: Heartrate-HW	Project Name: ZSWatch Heartrate		Sheet Title: Revision History	File Name: Revision History.kicad_sch	Designer: Daniel Kampert	Date: 2025-07-13	Revision: + (Unreleased)	Sheet Path: /Revision History/		Reviewer:	Size: A4	Sheet: 8 of 8		D
Comments:	Company: ZSWatch	Variant: PRELIMINARY	Git Hash: 6736584																			
	Board Name: Heartrate-HW	Project Name: ZSWatch Heartrate																				
Sheet Title: Revision History	File Name: Revision History.kicad_sch	Designer: Daniel Kampert	Date: 2025-07-13	Revision: + (Unreleased)																		
Sheet Path: /Revision History/		Reviewer:	Size: A4	Sheet: 8 of 8																		