Dock-HW

Variant: RELEASED

2025-09-18 **Rev 2.2.0**

Page	Index	Page	Index	Page	Index	Page	Index
1	Cover Page	11		21		31	
2	Block Diagram	12		22		32	В
3	Project Architecture	13		23		33	
4	Main	14		24		34	
5	Revision History	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	c
9		19		29		39	
10		20	••••••	30	•••••	40	•••••

TOP VIEW



BOTTOM VIEW



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: 18-Sep-2025

DESIGN CONSIDERATIONS

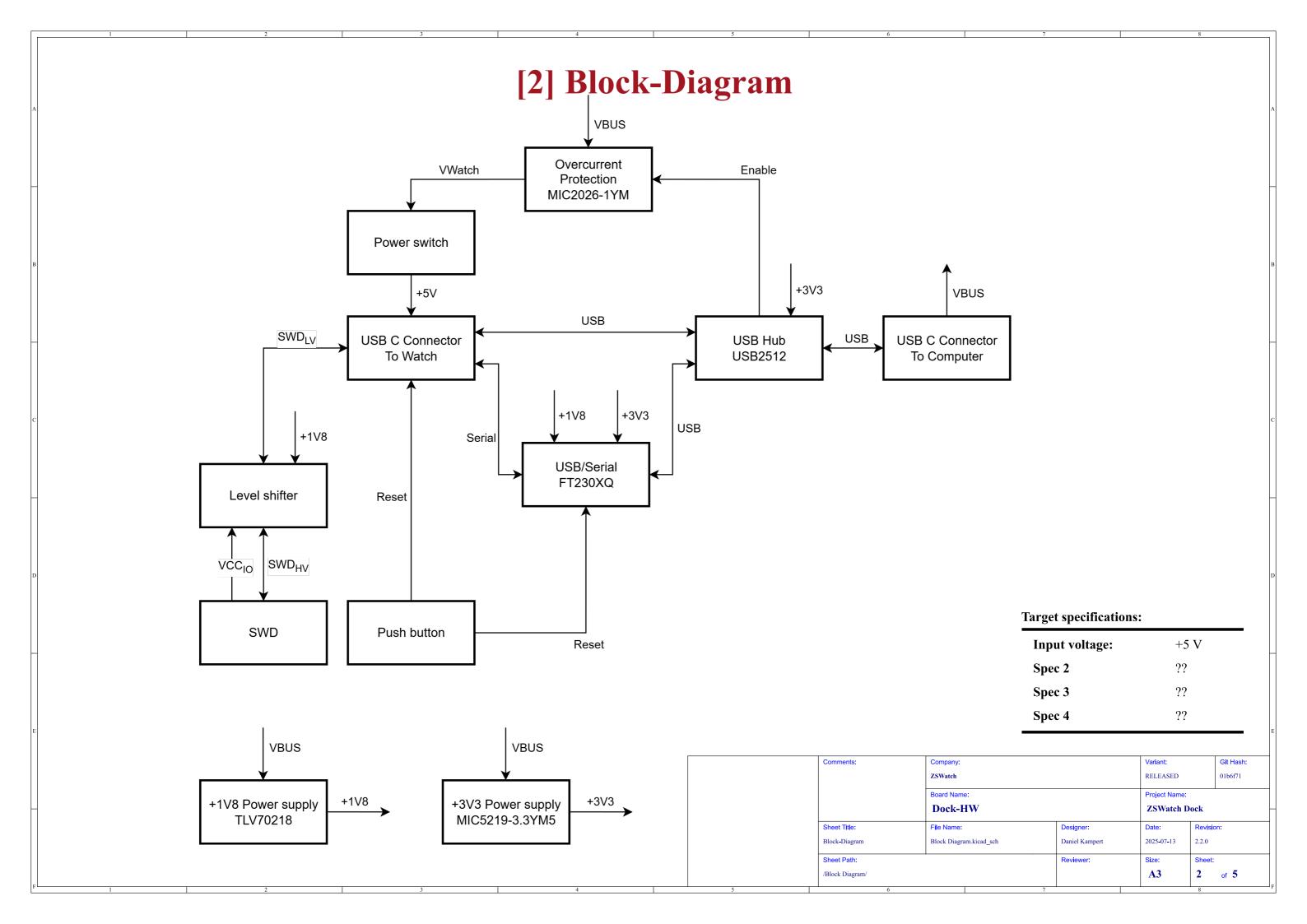
DESIGN NOTE: Example text for informational design

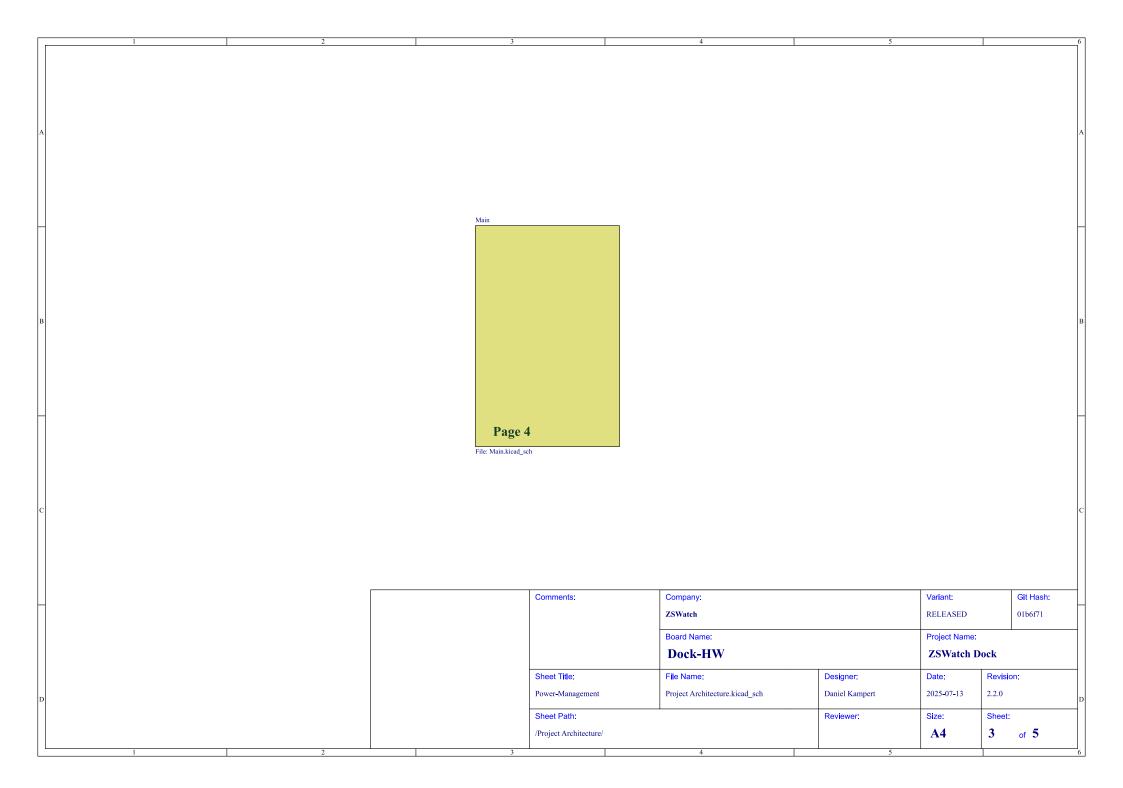
DESIGN NOTE: Example text for debug notes.

DESIGN NOTE: Example text for cautionary design **DESIGN NOTE:** Example text for critical design

LAYOUT NOTE: critical layout

Comments:	Company:	Company:		
	ZSWatch			01b6f71
	Board Name:	Board Name: Dock-HW		
	Dock-HW			
Sheet Title:	File Name:	Designer:	Date:	Revision:
Dock-DevKit	ZSWatch-Dock.kicad_sch	Daniel Kampert	2025-07-13	2.2.0
Sheet Path:		Reviewer:	Size:	Sheet:
1			A3	1 of 5





[5] Revision-History \${RELEASE_TITLE_...} Version 2.2.0 - 2025-09-18 \${RELEASE_TITLE_...} \${RELEASE_TITLE_...} \${RELEASE BODY ...} \${RELEASE_BODY_...} \${RELEASE BODY ...} Fixed - Fix inverted Charge-Switch (#51) - Flip Rx and Tx lines for USB UART (#48) - Fix wrong reset button (#45) - Fix wrong pin header for SWD (#44) Added - Add new KiCad template (#42) - Add 22R series resistors for SWD lines (#52)- Add 0R resistors (NA) to bridge the level Changed - Replace USB connector with edge mounted female USB (#61) - Replace level shifter with TXB0102 (#59) - Change silkscreen to white (#60) - Replace the USB LED with a darker one Variant: Git Hash: Comments: Company: - Replace ESD diodes with USBLC6-2P6 ZSWatch RELEASED 01b6f71 (#50)**Board Name:** Project Name: **Dock-HW** ZSWatch Dock Sheet Title: File Name: Designer: Date: Revision: Revision-History Revision History.kicad_sch Daniel Kampert 2025-07-13 Sheet Path: Reviewer: Sheet: Size: 5 of **5** /Revision History/ **A4**

