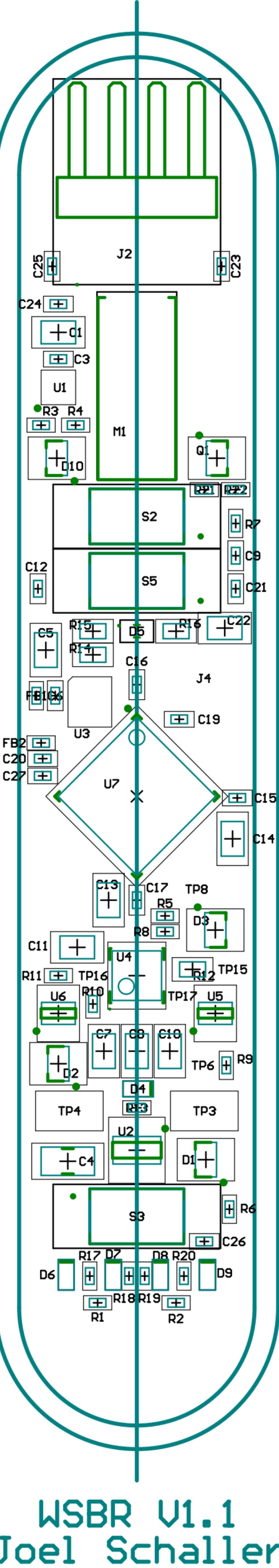


Module:	Overview	Size:	A3
Project:	Wireless ScoreBoard	Sub-Project:	Remote
Sheet:	1 / 1	Author:	Joel Schaller
Revision:	1.1	Date:	17.03.2024
File:	Overview.SchDoc		

Fitted	Designator	Comment	Value	Description	Manufacturer	Manufacturer Part Number	Supplier	Supplier Part Number	Quantity
Fitted	BAT1	ICP21333PA	240mAh	EIMECH SINGLE BATTERY LIPO	Renata	ICP621333PA	Conrad	252027- UP	1
Fitted	C1, C11, C13, C14, C22	C0805	4u7	CERCAP 4u7 25V10% X7R0805	YAGEO	CC0805KX7R8BB475	Digi-Key	311-1885-1-ND	5
Fitted	C3, C6, C9, C12, C15, C16, C17, C19, C20, C21, C23, C24, C25, C26	C0402	100n	CERCAP 100n 50V10% X7R0402	YAGEO	CC0402KRX7R9BB104	Digi-Key	311-3566-1-ND	14
Fitted	C4	C1206	1n	CERCAP 1n 2kV10% X7R1206	Würth Elektronik	885342208024	Digi-Key	732-885342208024CT-ND	1
Fitted	C5	C0805	1u	CERCAP 1u 25V10% X7R0805	YAGEO	CC0805KX7R8BB105	Digi-Key	311-1456-1-ND	1
Fitted	C7, C8, C10	C0805	2u2	CERCAP 2u2 25V10% X7R0805	YAGEO	CC0805KX7R8BB225	Digi-Key	311-1884-1-ND	3
Fitted	C27	C0402	1n	CERCAP 1n 50V10% X7R0402	YAGEO	CC0402KRX7R9BB102	Digi-Key	311-1036-1-ND	1
Fitted	D1, D2, D3, D10	BAS16W-7-F		DIODE 200mW 75V 300mA SOT-323	Diodes Incorporated	BAS16W-7-F	Digi-Key	BAS16W-FDICT-ND	4
Fitted	D4, D6, D7, D8, D9	APHHS1005LZGCK-V	Green	LED GREEN 2mA 2.65V 0402	Kingbright	APHHS1005LZGCK-V	Digi-Key	754-2126-1-ND	5
Fitted	D5	APHF1608SEEQBDZGC		LED RGB 20mA 3.3V 1.6x0.8mm	Kingbright	APHF1608SEEQBDZGC	Digi-Key	754-2144-1-ND	1
Fitted	FB1, FB2	BLM15BD102SN1D	1k@100M	FERRITE 200mA 1k 0402	Murata Electronics	BLM15BD102SN1D	Digi-Key	490-1010-1-ND	2
Fitted	J1	USB4105-GF-A		CONN Female USB-C 16x Horizontal SMD	GCT	USB4105-GF-A	Digi-Key	2073-USB4105-GF-ACT-ND	1
Fitted	J2	M20-8890445R		CONN Male 4-Poles 2.54mm Horizontal SMD	Harwin Inc.	M20-8890445R	Digi-Key	952-M20-8890445RCT-ND	1
Fitted	M1	VZ43FC		EIMECH VIBRATION MOTOR 3V	Vybrronics Inc	VZ43FC1B5640007L	Digi-Key	1670-VZ43FC1B5640007LC-T-ND	1
Fitted	Q1	BSS138		MOSFET N 0.2A 50V SOT323	Diodes Incorporated	BSS138W-7-F	Digi-Key	BSS138W-FDICT-ND	1
Fitted	R1, R2, R3, R4	R0402	5k1	RES5k1 62.5mW 1% 0402	YAGEO	RC0402FR-075K1L	Digi-Key	311-5.10KLRCT-ND	4
Fitted	R5, R21	R0402	1k6	RES1k6 62.5mW 1% 0402	YAGEO	RC0402FR-071K6L	Digi-Key	YAG3045CT-ND	2
Fitted	R6, R7, R9, R10, R11, R22	R0402	10k	RES10k 62.5mW 1% 0402	YAGEO	RC0402FR-0710KL	Digi-Key	311-10.0KLRCT-ND	6
Fitted	R8	NCU15XH103F6SRC	10k 3380K	RESNTC 10k 3380K	Murata Electronics	NCU15XH103F6SRC	Digi-Key	490-NCU15XH103F6SRCC-T-ND	1
Fitted	R12, R15, R16	R0603	0R	RES0R0603	YAGEO	RC0603FR-070RL	Digi-Key	311-0.0HRCT-ND	3
Fitted	R13, R17, R18, R19, R20	R0402	220R	RES220R 62.5mW 1% 0402	YAGEO	RC0402FR-07220RL	Digi-Key	311-220LRCT-ND	5
Fitted	R14	R0603	68R	RES68R0603	YAGEO	RC0603FR-0768RL	Digi-Key	311-68.0HRCT-ND	1
Fitted	S1	MG001V		EIMECH TRIPLE MEMBRANE KEYS	JESSINIE	MG001V	AliExpress	MG001V / 3 Key RYG	1
Fitted	S2, S3, S5	PTS636		BUTTON SPST 12V 50mA 6x3.5x4.3mm	C&K	PTS636 SK43 SMTR LFS	Digi-Key	CKN12311-1-ND	3
Fitted	TP3, TP4	5019		TPSMD 3.81x2.03mm	Keystone Electronics	5019	Digi-Key	36-5019CT-ND	2
Fitted	U1	US2HH12TR		SENSOR accelerometer 1.7-3.6V/LGA-12	STMicroelectronics	US2HH12TR	Digi-Key	497-15069-1-ND	1
Fitted	U2	USBL06-2SC6		IC Dual ESD Protection SOT23-6	STMicroelectronics	USBL06-2SC6	Digi-Key	497-5235-1-ND	1
Fitted	U3	ECS-2520MV-080-CN-TR		OSC 8MHz Enable/Disable 1.6V-3.6V 4-SMD 2.5x2mm	ECS Inc.	ECS-2520MV-080-CN-TR	Digi-Key	XC3029CT-ND	1
Fitted	U4	STNS01PUR		Charger Single Li-ion 5.4V 12-DFN	STMicroelectronics	STNS01PUR	Digi-Key	497-13880-1-ND	1
Fitted	U5, U6	TPS22919DCKR		POWER-DISTRIBUTION Single Switch 5.5V SOT363	Texas Instruments	TPS22919DCKR	Digi-Key	296-TPS22919DCKRCT-ND	2
Fitted	U7	STM32F401CCU6		MCU ARM-Cortex-M4 256kB FLASH 64kB RAM 1.7-3.6V UQFPN48	STMicroelectronics	STM32F401CCU6	Digi-Key	497-17426-ND	1
Fitted	U8	HC-12		RF Module UART	HTC Tech	HC-12	AliExpress	HC-12	1



WSBR V1.1  
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U8

J3

BAT1

J1

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