

## A



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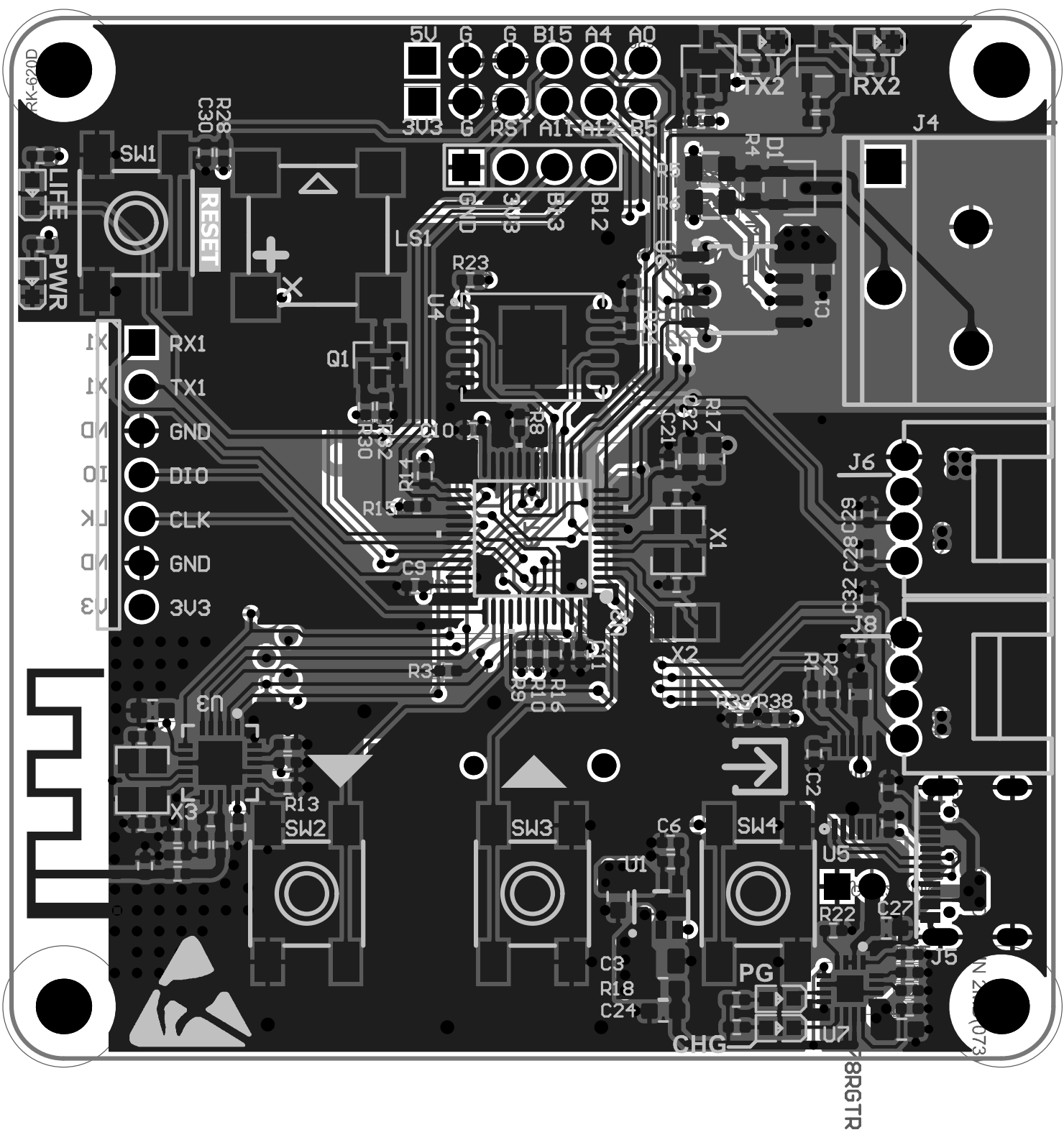


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# Dev Board STM OLED 2.0.PrjPcb

	Comment	Design	Footprint	CSC Part Num	Manufacturer Part Number	Manufacturer	Quant	Description	Assembly Type	Link
1	CR1220-2ZX	BT1	BAT_CR1220_SMD	C969906	CR1220-2ZX	Q&J	1	SMD Battery Holders, Clips	SMT Assembly	
2	0.1uF	C1	C_0603	C14663	CC0603KRX7R9BB104	YAGEO	1	100NF 50V 0603 ROHS	SMT Assembly	
3	100nF	C2, C9, C	C_0402	C41851	0402B104K160NT	FH(Guangdong Fenghua Advanced	7	100nF 16V X7R ±10% 0402	SMT Assembly	
4	10uF	C3	C_0805	C15850	CL21A106KAYNNNE	Samsung Electro-Mechanics	1	10UF 25V 0805 ROHS	SMT Assembly	
5	1uF	C4, C7, C	C_0603	C15849	CL10A105KB8NNNC	Samsung Electro-Mechanics	5	1UF 50V 0603 ROHS	SMT Assembly	
6	10nF	C5, C6, C	C_0402	C1547	0402CG120J500NT	FH(Guangdong Fenghua Advanced	3	10nF 50V X7R ±10% 0402	SMT Assembly	
7	33nF	C12	C_0402	C106862	CC0402KRX7R9BB333	YAGEO	1	50V 33nF X7R ±10% 0402	SMT Assembly	
8	1nF	C14	C_0402	C1523	0402B102K500NT	FH(Guangdong Fenghua Advanced	1	1nF 50V X7R ±10% 0402	SMT Assembly	
9	22pF	C15, C16	C_0402	C1555	0402CG220J500NT	FH(Guangdong Fenghua Advanced	4	22pF 50V C0G ±5% 0402	SMT Assembly	
10	1.5pF	C17	C_0402	C1552	0402CG1R5C500NT	FH(Guangdong Fenghua Advanced	1	1.5pF 50V C0G ±0.25pF 0402	SMT Assembly	
11	1.0pF	C18	C_0402	C1550	0402CG1R0C500NT	FH(Guangdong Fenghua Advanced	1	1.0pF 50V C0G ±5% 0402	SMT Assembly	
12	2.2nF	C19	C_0402	C1531	0402B222K500NT	FH(Guangdong Fenghua Advanced	1	2.2nF 50V C0G ±5% 0402	SMT Assembly	
13	4.7pF	C20	C_0402	C1569	0402CG4R7C500NT	FH(Guangdong Fenghua Advanced	1	4.7pF 50V C0G ±5% 0402	SMT Assembly	
14	4.7uF	C24, C27	C_0603	C19666	CL10A475K08NNNC	Samsung Electro-Mechanics	2	4.7UF 16V 0603 ROHS	SMT Assembly	
15	100pF	C28, C29	C_0402	C1546	0402CG101J500NT	FH(Guangdong Fenghua Advanced	4	100pF 50V C0G ±5% 0402	SMT Assembly	
16	SM712	D1	SOT-23-3_L2.9-W1.6-F	C502564	SM712	MDD (Microdiode Electronics)	1	TVS DIODE 12V 21V SOT	SMT Assembly	
17	FC-DA1608HRK-620D	D2, D3, D	LED0603-RD_RED	C84263	FC-DA1608HRK-620D	NATIONSTAR	6	LED Red 0603 Light Emitter	SMT Assembly	
18	Module Oled 1.3 I2C_No	J1	Module Oled 1.3 - No 30	N/A	N/A	EPCB.vn	1	Module Oled 1.3 I2C	Hand Soldering	
19	41-F01-250-4	J4	CONN-TH_41-F01-250-	C173392	41-F01-250-4	HIWA	1	Terminal Block 4 0.138" (	Hand Soldering	
20	TYPE-C 16PIN 2MD(07	J5	USB-C-SMD_TYPE-C1	C2765186	TYPE-C16PIN	SHOU HAN	1	5A 1 Surface Mount 16 Fer	SMT Assembly	
21	HY-4AW	J6, J8	CONN-TH_4P-P2.00_H	C146068	HY-4AW	BOOMELE	2	HY-4AW 1x4P 1 2mm 4 P	Hand Soldering	
22	CON2_2MM	J7	CONN-TH_2P-P2.00_X	C388730	X2016WV-02K-N0SN	XKB Connectivity	1	PH Header Male Pin 0.079	Hand Soldering	
23	HDR1x7	J9	HDR1X7H		HDR1x7 Horizontal		1	Header IDC, 1x8 Pin horiz	Hand Soldering	
24	3.9nH	L1	L_0402	C317939	FHW0402UC3N9JST	FH(Guangdong Fenghua Advanced	1	3.9nH 840mA ±5% 66mΩ (	SMT Assembly	
25	8.2nH	L2	L_0402	C317946	FHW0402UC8N2JST	FH(Guangdong Fenghua Advanced	1	8.2nH 680mA ±5% 100mΩ	SMT Assembly	
26	2.7nH	L3	L_0402	C317935	FHW0402UC2N7KST	FH(Guangdong Fenghua Advanced	1	2.7nH 640mA ±10% 120m	SMT Assembly	
27	MLT-8530	LS1	BUZ-SMD_4P-L8.5-W8	C94599	MLT-8530	Jiangsu Huaneng Elec	1	BUZZERS MAGNETIC NO	SMT Assembly	
28	MMBT3904	Q1	SOT-23-3_L2.9-W1.3-F	C20526	MMBT3904	Changjiang Electronics Tech (CJ)	1	MMBT3904 TRANSISTOR	SMT Assembly	
29	MMBT3906LT1G	Q2, Q3	SOT-23-3_L2.9-W1.6-F	C53444	MMBT3906LT1G	ON Semicon	2	MMBT3906 TRANSISTOR	SMT Assembly	
30	22OHM	R1, R2, R	R_0402	C25092	0402WGF220JTCE	Uniroyal Elec	3	22Ω 0402 62.5mW Thick F	SMT Assembly	
31	120OHM	R4	R_0603	C22787	0603WAF1200T5E	Uniroyal Elec	1	120OHMS ±1% 1/10W 060	SMT Assembly	
32	10OHM	R5, R6	R_0805	C17415	0805W8F100JT5E	Uniroyal Elec	2	10OHMS ±1% 1/8W 0805	SMT Assembly	
33	22k	R7, R13, R	R_0402	C25768	0402WGF2202TCE	Uniroyal Elec	5	22k 0402 62.5mW Thick F	SMT Assembly	
34	10K	R8, R9, R	R_0402	C25744	0402WGF1002TCE	Uniroyal Elec	13	10kΩ 0402 62.5mW Thick	SMT Assembly	
35	5.1k	R11, R12	R_0402	C25941	0402WGF0512TCE	Uniroyal Elec	2	5.1KOHMS ±5% 1/16W 04	SMT Assembly	
36	0OHM	R17, R18	R_0603	C21189	0603WAF0000T5E	Uniroyal Elec	2	0OHMS ±1% 1/10W 0603	SMT Assembly	
37	1K	R19, R20	R_0402	C11702	0402WGF1001TCE	Uniroyal Elec	11	1kΩ 0402 62.5mW Thick F	SMT Assembly	
38	TS-1102S-B-G-B	SW1, SW	SW-SMD_4P-L6.0-W6	C381064	TS-1102S-C-F-B	XKB Connectivity	4	Botton SMD TACTILE SW	SMT Assembly	
39	RT9193-33GB	U1	SOT-23-5_L3.0-W1.7-F	C15651	RT9193-33GB	Richtek Tech	1	5.5V 300mV @ 300mA - -	SMT Assembly	
40	STM32L151C8T6	U2	LQFP-48_L7.0-W7.0-P	C9861	STM32L151C8T6	STMicroelectronics	1	STM32 ARM-based 32-bit	SMT Assembly	
41	NRF24L01P-R	U3	QFN-20_L4.0-W4.0-P0	C8791	NRF24L01P-R	NORDIC	1	NRF24L01P-R SPI QFN-2	SMT Assembly	
42	W25Q256JVEIQTR	U4	WSON-8_L8.0-W6.10-F	C97522	W25Q256JVEIQTR	Winbond Elec	1	W25Q256 WSON-8_8x6m	SMT Assembly	
43	CH340E	U5	MSOP-10_L3.0-W3.0-P0.50-LS5.0-BL			WCH(Jiangsu Qin Heng)	1	Transceiver USB 2.0 2Mbp	SMT Assembly	
44	THVD1450DR	U6	SOIC-8_3.9x4.9x1.27P	C2671361	THVD1450DR	Texas Instruments	1	THVD1450DR transceiver	SMT Assembly	
45	BQ24078RGTR	U7	QFN16_3MM	C473396	BQ24078RGTR	Texas Instruments	1	VQFN-16 Battery Managen	SMT Assembly	
46	8Mhz	X1	SMD-3225_4P	C133366	1C208000CE0Q	KDS Daishinku	1	8Mhz 3225 SMD CRYSTAL	SMT Assembly	
47	32.768K	X2	SMD-3215_2P	C32346	Q13FC1350000400	Seiko Epson	1	32.768K SMD CRYSTAL R	SMT Assembly	
48	16Mhz	X3	SMD-3225_4P	C13738	X322516MLB4SI	Yangxing Tech	1	16MHz SMD Crystal Reson	SMT Assembly	