

## Bill of Materials

Source Data From :	Vapeix_mini_pcb.PrjPcb
Project :	Vapeix_mini_pcb.PrjPcb
Variant :	None
Production Quantity :	1
Currency :	USD
Version :	V1.0

No	Designator	Description	Footprint Doc	Order Number	Supplier 1	Part Number	Manufacturer	Quantity	Supplier Unit Price 1	Supplier Subtotal 1	
1	ANT1	ANTENNA CHIP 2.4GHZ		712-1005-1-ND	Digi-Key	2450AT18A100E	Johanson Technology Inc.	1	0.94	\$0.94	
2	ANT2	CONN UMC JACK STR 50 OHM SMD		H122041-ND	Digi-Key	U.FL-R-SMT-1(01)	Hirose Electric Co Ltd	1	1.28	\$1.28	
3	FL1	FILTER BANDPASS WLAN&BLUETOOTH		445-172335-1-ND	Digi-Key	DEA202450BT-1294C1-H	DK Corporation	1	0.51	\$0.51	
4	U1	IC SOC 2.4GHZ 512KB FLASH 48QFN	QFN-48	1490-1052-1-ND	Digi-Key	NRF52832-QFAA-R	Nordic Semiconductor ASA	1	5.85	\$5.85	
5	U2	IC REG LDO 3.3V 0.3A SOT23-3	SOT-23-3	AP7333-33SAG-7DICT-ND	Digi-Key	AP7333-33SAG-7	Diodes Incorporated	1	0.43	\$0.43	
6	U3	IC BATT CHRG CNTRL LI-ION 10MSOP	10-MSOP	LTC4050EMS-4.1#PBF-ND	Digi-Key	LTC4050EMS-4.1#PBF	Linear Technology	1	4.77	\$4.77	
7	Q1, Q3, Q4, Q5, Q8	TRANS 2NPN 45V 0.1A 6DFN		BC847CDLPDICT-ND	Digi-Key	C847CDLP-7	Diodes Incorporated	5	0.36	\$1.80	
8	Q2, Q7,	MOSFET 2P-CH 20V 6A POWERPAK		SI5999EDU-T1-GE3CT-ND	Digi-Key	SI5999EDU-T1-GE3	Vishay Siliconix	2	0.5	\$1.00	
9	LED1, LED2	LED RGB DIFFUSED 0606 SMD	HSMF-C114	516-1795-1-ND	Digi-Key	HSMF-C114	Broadcom Limited	2	2.03	\$4.06	
10	D1, D2, D3, D4, D5	DIODE SCHOTTKY 20V 2A MICROSPM		MSS2P2-M3/89AGICT-ND	Digi-Key	MSS2P2-M3/89A	Vishay Semiconductor Diodes Division	5	0.37	\$1.85	
11	C9, C10, C11, C12	CAP CER 12PF 25V NP0 0201	0201	490-3144-1-ND	Digi-Key	GRM0335C1E120JA01D	Murata Electronics North America	4	0.1	\$0.40	
12	C1, C2, C6, C26	CAP CER 1UF 16V X5R 0201	0201	1276-6798-1-ND	Digi-Key	CL03A105MO3NRNH	Murata Electronics North America	4	0.25	\$1.00	
13	C3, C4, C8, C17, C21, C25, C28, C29	CAP CER 0.1UF 10V X5R 0201	0201	490-5881-1-ND	Digi-Key	GRM033R61A104KE15D	Murata Electronics North America	8	0.1	\$0.80	
14	C5	CAP CER 4.7UF 25V NP0 0201	0201	490-13230-1-ND	Digi-Key	GRM155R60J475ME47D	Murata Electronics North America	1	0.1	\$0.10	
15	C7	CAP CER 0.8pF 25V NP0 0201	0201	490-6111-1-ND	Digi-Key	GRM0335C1ER80BA01D	Murata Electronics North America	1	0.1	\$0.10	
16	C13	CAP CER 100pF 25V NP0 0201	0201	490-3160-1-ND	Digi-Key	GRM0335C1E101JA01D	Murata Electronics North America	1	0.1	\$0.10	
17	C15	CAP CER 1.2PF 50V NP0 0201	0201	490-6119-1-ND	Digi-Key	GRM0335C1H1R2CA01D	Murata Electronics North America	1	0.1	\$0.10	
18	C16	CAP CER 10PF 50V NP0 0201	0201	490-6112-1-ND	Digi-Key	GRM0335C1H100JA01D	Murata Electronics North America	1	0.1	\$0.10	
19	C18, C19	CAP CER 150PF 25V X7R 0201	0201	490-3174-1-ND	Digi-Key	GRM033R71E151KA01D	Murata Electronics North America	2	0.1	\$0.20	
20	C20, C27	CAP CER 10UF 10V X5R 0402	0402	1276-1450-2-ND	Digi-Key	CL05A106MP5NUNC	Samsung Electro-Mechanics America, Inc	2	0.13	\$0.26	
21	X1	XTAL SMD 2016, 32MHz, Cl=8pF, Total Tol: ±40ppm	XTAL_2016	FA-128 32.0000MF10Z-AJ3-ND	Digi-Key	FA-128 32.0000MF10Z-AJ3	EPSON	1	0.76	\$0.76	
22	X2	XTAL SMD 3215, 32.768kHz, 9pF, ±20ppm	XTAL_3215	FC-135 32.7680KA-AC-ND	Digi-Key	FC-135 32.7680KA-AC	EPSON	1	1.17	\$1.17	
23	L1	FIXED IND 3.9NH 400MA 300 MOHM	0201	490-5560-1-ND	Digi-Key	LQP03TN3N9C02D	Johanson Technology Inc.	1	0.1	\$0.10	
24	L2	FIXED IND 10UH 50MA 900 MOHM SMD	0603	490-4025-1-ND	Digi-Key	LQM18FN100M00D	Murata Electronics North America	1	0.14	\$0.14	
25	L3	FIXED IND 15NH 250MA 700 MOHM	0201	490-5570-1-ND	Digi-Key	LQP03TN15NJ02D	Murata Electronics North America	1	0.1	\$0.10	
26	R6, R17, R44, R46	RES SMD 470 OHM 5% 1/20W 0201	0201	311-470NCT-ND	Digi-Key	RC0201JR-07470RL	Yageo	4	0.1	\$0.40	
27	R7, R8, R25, R26, R33	RES SMD 4.7K OHM 1% 1/20W 0201	0201	P4.70KABCT-ND	Digi-Key	ERJ-1GEF4701C	Panasonic Electronic Components	5	0.1	\$0.50	
28	R10, R43, R45	RES SMD 10K OHM 5% 1/20W 0201	0201	311-10KNCT-ND	Digi-Key	RC0201JR-0710KL	Yageo	3	0.1	\$0.30	
29	R13	THERMISTOR MINI-SENS NTC 10K OHM	0201	KC003T-ND	Digi-Key	RL0503-5820-97-MS	Stackpole Electronics Inc.	1	2.39	\$2.39	
30	R9	RES SMD 4.02K OHM 1% 1/20W 0201	0201	YAG2287CT-ND	Digi-Key	RC0201FR-074K02L	Yageo	1	0.1	\$0.10	
31	R11	RES SMD 402K OHM 1% 1/20W 0201	0201	YAG2657CT-ND	Digi-Key	RC0201FR-07402KL	Yageo	1	0.1	\$0.10	
32	R12	RES SMD 2.2K OHM 1% 1/20W 0201	0201	YAG2572CT-ND	Digi-Key	RC0201FR-072K2L	Yageo	1	0.1	\$0.10	
33	R14	RES SMD 19.6K OHM 1% 1/20W 0201	0201	P19.6KABCT-ND	Digi-Key	ERJ-1GEF1962C	Panasonic Electronic Components	1	0.1	\$0.10	
34	R15	RES SMD 0.05 OHM 1% 1/8W 0402	0402	CSR0402FK50LOCT-ND	Digi-Key	CSR0402FK50L0	Stackpole Electronics Inc.	1	0.5	\$0.50	
35	R19, R22, R28, R34	RES SMD 464 OHM 1% 1/20W 0201	0201	P464ABCT-ND	Digi-Key	ERJ-1GEFF4640C	Panasonic Electronic Componets	4	0.1	\$0.40	
36	R29,R20,R23,R35,R30,R21,R24,R36	RES SMD 162 OHM 1% 1/20W 0201	0201	YAG2429CT-ND	Digi-Key	RC0201FR07162RL	Yageo	8	0.1	\$0.80	
37	R37,R38,R39,R40,R41,R42	RES SMD 27K OHM 5% 1/20W 0201	0201	P27KAGCT-ND	Digi-Key	ERJ-1GEJ273C	Panasonic Electronic Components	6	0.1	\$0.60	
38	R27	RES SMD 15K OHM 5% 1/20W 0201	0201	P15KAGCT-ND	Digi-Key	ERJ-1GEJ153C	Panasonic Electronic Components	3	0.1	\$0.30	
39	J2	CONN USB MICRO B RECPT SMT R/A		609-4616-1-ND	Digi-Key	10118193-0001LF	Amphenol FCI	1	0.46	\$0.46	
40	CON1	CONN HEADER PH SIDE 4POS 2MM		455-1721-ND	Digi-Key	S4B-PH-K-S(LF)(SN)	JST Sales America Inc.	1	0.22	\$0.22	
41	BLE, ATOM	(Tactile Switches)		688-SKHUALE010	Mouser	SKHUALE010	ALPS	2	0.37	\$0.74	
42	MAG Buzzer	Audio Indicators & Alerts 6.7 x 3.6mm 3100Hz		254-EMB73-RO	Mouser	254-EMB73-RO	Kobitone	1	2.3	\$2.30	
43	NFC	CONN FFC FPC 5POS 0.50MM R/A		WM12846CT-ND	Digi-Key	512810594	Molex, LLC	1	0.62	\$0.62	
44	Li-ion	3.7V Lithium-Ion Flat Terminal 18650 Lithium-ion Battery, 2600mAh			788-7261	RS	ICR18650-26F	Samsung	1	7.28	\$7.28
45	Haptic Motor	LX0820L20140926-01	<a href="https://item.taobao.com/item.htm?spm=a230r.1.14.39.rFr1cU&amp;id=534933866597&amp;ns=1&amp;abucket=18#detail">ps://item.taobao.com/item.htm?spm=a230r.1.14.39.rFr1cU&amp;id=534933866597&amp;ns=1&amp;abucket=18#detail</a>				Shenzhen X.L.X. Electronics Co., Ltd	1	2	\$2.00	
								91		\$48.13	

