

VT-8 MAIN PCBA part list

reference	PCBA, VT-8				
project	PCB version	T388C(BK4811) ver01	BOM vesion		
No	name	part number	specification	location	PCS
1	inductor	CH160808-5N6S(F)	Chip inductor 0603 size 5n6H +/-0.3N	L2 L13	2
2		CH160808-15NJ(F)	Chip inductor 0603 size 15nH +/-5%	L7 L11	2
3		CH160808-18NJ(F)	Chip inductor 0603 size 18nH +/-5%	L10	1
4		CH160808-27NJ(F)	Chip inductor 0603 size 27nH +/-5%	L1	1
5		CH160808-56NJ(F)	Chip inductor 0603 size 56nH +/-5%	L6	1
6		CH160808-221NJ(F)	Chip inductor 0603 size 220nH +/-5%	L8	1
7		CHIP SPRING COIL	ER 0.32X1.2*4TN	L18 L19	2
8		CHIP SPRING COIL	ER 0.32X1.2*5TN	L4	1
9	capacitor	CL10C010CB8NNNC	CAP, 1.0pF ± 0.25pF, 50V, 0603	C99 C100	2
10		CL10C040CB8NNNC	CAP, 4.0pF ± 0.25pF, 50V, 0603	C81 C37	2
11		CL10C050CB8NNNC	CAP, 5pF ± 0.25pF, 50V, 0603	C69	4
12		CL10C100DB8NNNC	CAP, 10pF ± 5%, 50V, 0603	C57 C98 C1	3
13		CL10C120JB8NNNC	CAP, 12pF ± 5%, 50V, 0603	C97	1
14		CL10C150JB8NNNC	CAP, 15pF ± 5%, 50V, 0603	C59	1
15		CL10C180JB8NNNC	CAP, 18pF ± 5%, 50V, 0603	C60	1
16		CL10C200JB8NNNC	CAP, 20pF ± 5%, 50V, 0603	C58	1
17		CL10C250JB8NNNC	CAP, 25pF ± 5%, 50V, 0603	C63	1
18		CL10C330JB8NNNC	CAP, 33pF ± 5%, 50V, 0603	C64	1
19		CL10C101JB8NNNC	CAP, 100pF ± 5%, 50V, 0603	C3 C6 C24 C27 C29 C33 C41 C56 C62 C67 C54 C61	12
20		CL10B221KB8NNNC	CAP, COG, 220pF ± 10%, 50V, 0603	C55	1
21		CL10B271KB8NNNC	CAP, COG, 270pF ± 10%, 50V, 0603	C38	1
22		CL10B471KB8NNNC	CAP, COG, 470pF ± 10%, 50V, 0603	C23 C95	2
23		CL10B102KB8NNNC	CAP, 1nF ± 10%, 50V, 0603	C14 C18 C48 C5 C39	
24		CL10B103KB8NNNC	CAP, 10nF ± 10%, 10V, 0603	C31 C65 C49 C53	4
25		CL10F104Z08NNNC	CAP, 100nF +80/-20%, 10V, 0603	C16 C17 C35 C42 C45 C51 C76 C10 C9 C26	10
26		CL10A474KP8NNNC	CAP, 470nF ± 10%, 10V, 0603	C21	1

27		CL10F105ZP8NNNC	CAP, 1UF+80/-20%, 10V, 0603	C20 C30 C47	3	
28		CL10F475ZP8NNNC	CAP, 4.7UF+80/-20%, 10V, 0603	C8 C12 C52	3	
29		CL31F106ZPENNE	CapChip, 10uF, 0805, +80/-20%	C2 C25	2	
30		CL21A226MQQNNNE	CAP, 22UF±20%, 6.3V, 0805	C66	1	
31		TRIMMER 10PF	CAP C TRIMMER 10PF 6.5mm	CP	1	
32		CAP. 100uF +/-	CAP E GEN 100uF/10V(D4XL7)	C32	1	
33	resistor	0603J0000JT5E	RES, 0 Ω ± 5%, 50V, 1/16W, 0603	R30 R23	2	
34		0805_J068JT5E	RES, 6.8 Ω ± 1%, 50V, 1/8W, 0805	R15	1	
35		0603J0100JT5E	RES, 10 Ω ± 5%, 50V, 1/16W, 0603	R13	1	
36		0603J0470JT5E	RES, 47 Ω ± 5%, 50V, 1/16W, 0603	R38	1	
37		0603J0121JT5E	RES, 120 Ω ± 5%, 50V, 1/16W, 0603	R1 R27	2	
38		0603J0471JT5E	RES, 470 Ω ± 5%, 50V, 1/16W, 0603	R44	1	
39		0603J0681JT5E	RES, 680 Ω ± 5%, 50V, 1/16W, 0603	R5 R28	2	
40		0603J0102JT5E	RES, 1.0K±5%, 50V, 1/16W, 0603	R9 L3	2	
41		0603J0122JT5E	RES, 1.2K±5%, 50V, 1/16W, 0603	R12	1	
42		0603J0182JT5E	RES, 1.8k±5%, 50V, 1/16W, 0603	R7	1	
43		0603J0103JT5E	RES, 10k±5%, 50V, 1/16W, 0603	R17 R34	2	
44		0603J0123JT5E	RES, 12k±5%, 50V, 1/16W, 0603	R37	1	
45		0603J0153JT5E	RES, 15k±5%, 50V, 1/16W, 0603	R2	1	
46		0603J0223JT5E	RES, 22K±5%, 50V, 1/16W, 0603	R40	1	
47		0603J0273JT5E	RES, 27K±5%, 50V, 1/16W, 0603	R3	1	
48		0603J0823JT5E	RES, 82K±5%, 50V, 1/16W, 0603	R20	1	
49		0603J0104JT5E	RES, 100k±5%, 50V, 1/16W, 0603	R18 R19 R10 R25 R29 R31	6	
50		0603J0154JT5E	RES, 150k±5%, 50V, 1/16W, 0603	R32	1	
51		0603J0184JT5E	RES, 180k±5%, 50V, 1/16W, 0603	R24	1	
52		0603J0334JT5E	RES, 330k±5%, 50V, 1/16W, 0603	R11	1	
53		0603J0564JT5E	RES, 560k±5%, 50V, 1/16W, 0603	R35	1	
54		0603J0824JT5E	RES, 820K±5%, 50V, 1/16W, 0603	R8 R36	2	
55		IC	QFN24NT7A-075-CU	IC BK4811	U1	1
56			AT24C02BN-10SU-2.7	IC AT24C02	IC2	1
57			LB4890	IC LB4890 MSOP-8	U2	1
58			LC1463CB5ATR30	IC LC1463CB5ATR30 3.0V LDO	U3	1
59			SC9305	IC SC9305 MPU	U4	1
60		crystal	XTAL_21.7MHz(15P)	BXK 21.700	Y2	1
61		LTST-C193KBKT-5A	LED CHIP BLUE ELT-0603GC	D5	1	
62		5203WCH	LED LAMP WHITE (D5MM)	D1	1	
63		ZMM6V2	DIODE ZEN. ZMM6V2 0.5W 6.2V SOD-123	D6	1	
64		BA592	Chip Pin Diode BA592 SOD323 (=1SS314)	D2 D4	2	

65	transistor	1N4148 T4	Chip Pin Diode 1N4148	D12 D3	2
66		2SC4901YK-TR-E	Chip transistor 2SC4901 SOT323	Q6	1
67			Chip transistor PRF957 SOT323	Q10	1
68		HE3078	TR MOSFET 2SK3078A	Q8	1
69		DTC114EETL	Chip transistor DTC114EE	Q4 Q7	2
70		DTC114YETL	Chip transistor DTA114YE	Q2 Q3 Q5 Q1	4
71	mechanical	EM6050P	MIC EM-9767-6050-2-P (PIN)	MIC1	1
72		J2004B	EARPHONE JACK (2.5mm)	J2	1
73		D1.0*6.8*43.5MM, 15	SPRING ANT. FOR T-388 FRS		1
74		JC-6416	LCD JC-6416 FOR FRS VT-8	LCD1	1