

DMS KH3643 S4 V10						
20250731:R25, R26改为680R/0805, L54, L55, L56, L57改用电感-APH0650T4R7M, 增加U21(单片机), R83, R230改为0R/0402						
BCP2025040801		PCBA-DMS KH3643 S4 V10				
Item	Quantity	Reference	Pcb Footpr	Part		
1	71	C1, C2, C4, C5, C11, C13, C22, C23, C28, C29, C37, C38, C39, C40, C43, C44, C46, C47, C52, C55, C63, C65, C69, C71, C78, C79, C81, C82, C85, C86, C87, C88, C91, C93, C99, C100, C103, C104, C109, C110, C111, C112, C113, C114, C115, C116, C124, C126, C131, C132, C135, C136, C141, C142, C143, C144, C152, C215, C221, C230, C329, C330, C331, C471, C477, C483, C489, C146,	C0402	0. 1uF	BD. C1. 03. 1004. 303	电容-0402-0. 1uF-16V
2	40	C7, C8, C10, C12, C16, C17, C19, C20, C48, C49, C51, C54, C56, C59, C60, C62, C89, C90, C92, C94, C95, C96, C97, C98, C121, C122, C123, C125, C127, C128, C129, C130, C216, C217, C218, C219, C220, C223, C225, C22	C0402	33nF	BD. C1. 1218. 001	电容-0402-33nF-50V
3	20	C25, C26, C31, C33, C67, C68, C73, C74, C101, C102, C105, C106, C133, C134, C137, C138, C427, C473, C479, C485	C0402	1uF	BD. C1. 00. 0106. 303	电容-0402-1uF-10V
4	8	C32, C35, C75, C76, C107, C108, C139, C140	C0402	4. 7uF	BD. C1. 00. 4705. 303	电容-0402-4. 7uF-6. 3V
5	2	C145, C207	C0603	10nF	BD. C1. 00. 0103. 103	电容-0603-10nF-50V
6	9	C148, C150, C157, C211, C213, C233, C262, C263, C26	C0603	1uF / 16V	BD. C1. 00. 0105. 103	电容-0603-1uF-16V
7	63	C149, C158, C168, C169, C170, C171, C172, C173, C174, C175, C176, C179, C180, C181, C182, C183, C187, C188, C189, C190, C191, C192, C193, C194, C195, C196, C212, C234, C237, C238, C239, C240, C241, C242, C243, C244, C245, C246, C247, C248, C249, C250, C251, C252, C253, C254, C255, C256, C257, C258, C259, C260, C261, C265, C266, C875, C876, C877, C878, C879, C	C0402	10nF	BD. C1. 00. 0104. 303	电容-0402-10nF-50V
8	4	C151, C162, C214, C232	C0402	1000pF / 2	BD. C1. 00. 0109. 303	电容-0402-1nF-50V
9	2	C153, C334	C1206	1nF	BD. C1. 1218. 002	电容-1206-1nF-2KV
10	6	C222, C231, C470, C476, C482, C488	C0603	0. 1uF	BD. C1. 00. 0104. 103	电容-0603-0. 1uF-50V
11	2	C224, C229	1206 TAN C	10uF/1206	BD. C1. 03. 1006. 403	电容-1206-10uF-16V
12	4	C227, C228, C235, C236	C0603	10uF	BD. C1. 21. 1021. 101	电容-0603-10uF-10V
13	1	C267	C0402	100pF / 25	BD. C1. 00. 1013. 305	电容-0402-100pF-50V
14	4	C428, C472, C478, C484	CAP-AE6 3	22uF/50V	BD. C2. 06. 0226. 003	电容-铝电解6. 3*5. 4-22uF-63V/50V
15	4	C430, C475, C481, C487	CAP-AE6 3	220uF/16V	CP0004	电容-铝电解6. 3*7. 7-220uF-16V
16	1	C870	C0201	49R9	BD. R1. 25. 0415. 002	电阻-0201-49. 9R-1%
17	2	C873, C874	C0402	2. 2nF	BD. C1. 23. 0224. 001	电容-0402-2. 2nF-50V

18	24	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D17, D18, D23, D24, D25, D26, D27, D28, D29, D30	ESD0402	AM1150AF	BD.2021.0113.001	TVS管-AM1150AF
19	2	D21, D22	MLL34AC	1N4148	ZD. D1. 00. 4148. 002	二极管-SOD123-1N4148
20	8	D34, D86, D87, D88, D89, D90, D91, D92	ESD0603	0603ESDA-M	ZD.D1.12.0003.003	电源TVS管-SOD523-ST0571S5
21	2	J12, J110	RJ45-LED-F	RJ45 LED	DZ. 81. 04. 0000. 001	网络头-RJ45 带灯
22	1	J51	dc-091	DC-091-25	DZ. 24. 0819. 01	DC-091
23	24	J122, J123, J124, J125, J126, J129, J130, J131	TP-5-3R8-L	充电顶针	BC3643-D-4	BC3643-充电底座顶针2.1*11.1mm
24	16	J122, J123, J124, J125, J126, J129, J130, J131	TP-5-3R8-L	充电顶针	BC400-D-10	BC400充点底座弹针-φ2.4*11.9mm-地脚用
25	1	J132	SMD1r27 2P	CON2 SMT	DZ. 2J. 01. 000. 02	插座-1.25mm*2P卧式贴片
26	7	L11, L12, L14, L16, L17, L19, L20	L0603	FB0603	BD. L2. 1218. 003	磁珠-0603-120R
27	1	L15	L4X4	SPRH3D28-4	BD.L1.01.0470.001	电感-SWPA4030S4R7MT-4R7N-4*4*H2.85
28	1	L18	L4X4	SWPA4018S4	BD.L1.20.0320.001	电感-SWPA4018S4R7MT-4*4*H1.8
29	2	L23, L58	SHORT-A	SHORT		
30	4	L54, L55, L56, L57	INDUCTOR-6	SHI0603-10	BD. L1. 25. 0805. 001	电感-APH0650T4R7M
31	10	R4, R5, R13, R14, R21, R22, R33, R34, R59, R82	R0402	2.49K, 1%	BD. R1. 02. 0249. 001	电阻-0402-2.49K-1%
32	2	R25, R26	R0805	680R	BD. R1. 25. 0806. 001	电阻-0805-680R-1%
33	2	R42, R64	R0402	1.5K / 5%	BD. R1. 02. 1502. 001	电阻-0402-1.5K-5%
34	21	R43, R44, R47, R48, R49, R50, R51, R52, R53, R54, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R102	R0402	4.7K, 1%	BD. R1. 02. 0407. 001	电阻-0402-4.7K-5%
35	4	R45, R55, R99, R100	R0402	510R	BD. R1. 02. 5101. 001	电阻-0402-510R-5%
36	2	R46, R65	R0402	100K, 1%	BD. R1. 02. 1004. 001	电阻-0402-100K-5%
37	2	R56, R101	R0603	75	BD. R1. 03. 0750. 001	电阻-0603-75R-5%
38	7	R76, R77, R79, R283, R287, R291, R295	R0402	47K, 1%	BD. R1. 03. 4702. 103	电阻-0402-47K-1%
39	1	R78	R0402	15K, 1%	BD. R1. 02. 1501. 001	电阻-0402-15K-1%
40	1	R80	R0402	4.53K	BD. R1. 02. 4533. 001	电阻-0402-4.53K-1%
41	1	R81	R0402	10K, 1%	BD. R1. 02. 1003. 001	电阻-0402-10K-5%
42	1	R997	R0402	120R FB	BD. L2. 01. 0120. 001	磁珠-0402-BLM15EG121SN1D
43	12	R87, R88, R89, R90, R91, R92, R93, R94, R184, R185, R186, R187	R0402	1K, 1%	BD. R1. 02. 0103. 101	电阻-0402-1K-1%
44	3	R98, R83, R230	R0402	0R	BD. R1. 02. 0000. 201	电阻-0402-0R-5%
45	4	R284, R288, R292, R296	R0402	8, 2K, 1%	BD. R1. 02. 0802. 002	电阻-0402-8.2K-1%
46	16	R973, R974, R975, R976, R977, R978, R979, R980, R981, R982, R983, R984, R985, R986, R987, R988	R0402	5R1	BD.R1.21.0420.001	电阻-0402-5.1R
47	2	R995, R996	R0402	2.2R	DZ. 20. 1225. 001	电阻-0402-2.2R-5%
48	2	T1, T13	sop24p1000	XWT-1108GS	XWT-1108GS047	变压器-XWT-1108GS047
49	8	U1, U2, U4, U5, U7, U8, U9, U10	qfn24-p0r5	SR9900	BD19090301	芯片-SR9900A-QFN24
50	2	U12, U17	qfp50p1600	RTL8370-G	DZ. U. 01. 1218. 02	芯片-RTL8370N-VB-CG
51	1	U16	SMCE-3225	VCO 25MHz	ZD. Y1. 04. 3225. 002	钟振-3225-25M
52	2	U18, U19	SOT23-6	MP1471A	DZ. U. 48. 1104. 03	芯片-MP1471A
53	1	U21	TSSOP-20-6	STM8S003F3	ZD. U. 08. 0103. 002	芯片STM8S103F2-MCU/STM8S003

54	4	U203, U204, U205, U206	S08-PAD	ETA2806	DZ. U. 25. 0423. 01	芯片-ETA2806E8A
55	1				PCB2025040801	PCB-DMS_KH3643_S4_V10

FPC_BUTTON_V10						
BCP2024102306		PCBA-KH3643-S4_FPC_BUTTON_V10(按键软板)				
Item	Quantity	Reference	Pcb Footpri	Part		
1	1	S5	S-TS-B009-2p	4X4 min	HJ-TS-B00901	轻触开关-3*4*1.8H 两脚小龟
2	1				PCB2024102306	PCB-FPC_BUTTON_V10

FPC OLED ASSEMBLE V12						
BCP2025080504		PCBA-KH3643-S4_FPC_OLED_ASSEMBLE_V12				
Item	Quantity	Reference	Pcb Footp	Part		
1	3	C1, C4, C10	C0201	1uF	BD. C1. 22. 0714. 003	电容-0201-1uF-16V
2	8	C2, C12, C13, C14, C15, C16, C17, C18	C0201	18pF	BD. L1. 0201. 1020. 02	电容-0201-18PF-50V
3	2	C3, C5	C0402	2. 2uF	BD. C1. 00. 2205. 303	电容-0402-2. 2uF-10V
4	2	C6, C7	C0201	33pF	BD. C1. 0629. 001	电容-0201-33PF-50V
5	2	C8, C9	C0402	1uF	BD. C1. 00. 0106. 303	电容-0402-1uF-10V
6	1	C11	C0402	18pF	BD. C1. 00. 1812. 305	电容-0402-18pF-50V
7	1	D1	led-0402	RED-LED	ZD.D1.21.0402.001	LED-0402-红色
8	1	D2	led-0402	BLUE-LED	ZD. D1. 22. 0111. 001	LED-0402-蓝色
9	1	D3	HN3528	LED	R1. 00. 0104. 001	光敏传感器-贴片-LXD/GB5-A1CV/3528
10	1	J3	CON 4 SMT	0r5mm 4	FPC0510-4RL-TAG	FPC软排线座0. 5mm*4p*1. 0H-前插后锁
11	1	J97	BTB POR35	BTB POR35 30P	OK-118RM030/2-35	公座-BTB POR35 30P HOR7-F
12	1	J98	CON 16 XI	CON16	FPC0510-16RL-TAG	FPC软排线座0. 5mm*16p*1. 0H-前插前锁
13	2	R1, R9	R0402	0R	BD.R1.02.0000.201	电阻-0402-0R-5%
14	1	R5	R0402	47K	BD.R1.03.4702.103	电阻-0402-47K-1%
15	1	R6	R0402	680K	BD.R1.25.0110.001	电阻-0402-680K-1%
16	1	R10	R0402	1. 5K	BD.R1.02.1502.001	电阻-0402-1.5K-5%
17	1	U195	MSM2718	MSM2718	ZD. U. 21. 0919. 001	硅麦-JM0-2718AT-4230-500M
18	1				PCB2025080504	PCB-FPC_OLED_ASSEMBLE_V12

FPC_USB						
BCP2024102309		PCBA-KH3643-S4_FPC_USB				
Item	Quantity	Reference	Pcb Footprint	Part		
1	5	J74	TP-5-3r8-smt	BoardSide_Con	BC3643-S4-5	铜钉- ϕ 2.4*H0.6+ ϕ 1.0*H0.6
2	1				PCB2024102309	PCB-KH3643-S4_FPC_USB

FPC_WHELL_V10						
BCP2024102307		PCBA-KH3643-S4_FPC_WHELL_V10				
Item	Quantity	Reference	Pcb Footpr	Part		
1	3	C391, C392, C393	0201C-0C	10pF	BD.C1..00.0907.001	电容-0201-10PF-50V
3	1	S5	S-TS-B009	4X4 mini-B	HJ-TS-B00903	轻触开关-3*4*2.5H 两脚小龟
4	1	U195	E120-B2-12	E120-B2-12	E120-B2-12S02	编码器-E120-B2-12S02
2	1				PCB2024102307	PCB-FPC_WHELL_V10

KH3643 S4 CIRCLE LED V10						
1R改成22R						
BCP2024102303		PCBA-KH3643_S4_CIRCLE_LED_V10				
Item	Quantity	Reference	Pcb Foot	Part		
1	7	C1, C2, C5, C6, C7, C8, C9	C0402	33pF	BD.C1.04.0033.402	电容-0402-33pF-50V
2	2	C3, C4	C0402	4.7uF/6.3V	BD. C1. 00. 4705. 303	电容-0402-4.7uF-6.3V
3	1	D1	D38X38	White LED	ZD.D1.11.3075.001	发光二极管-T1965711A-10AA-白光灯
4	1	D2	HN3528	FLASH RED	DZ. 81. 25. 0311. 01	LED-KTR-F2835SURC-02（薄款红爆闪灯）
5	1	D3	HN3528	FLASH BLUE	DZ. 81. 25. 0311. 02	LED-KTR-2835SUBC-02（薄款蓝爆闪灯）
6	6	Q1, Q2, Q3, Q4, Q5, Q6	SOT23	VB1240	ZD. U. 00. 1240. 001	芯片VB1240
7	18	R1, R2, R7, R8, R13, R14, R19, R2	R0402	100R	BD. R1. 1909. 001	电阻-0402-100R-1%
8	36	R3, R4, R5, R6, R9, R10, R11, R12	R0402	22R	BD.R1.02.2200.001	电阻-0402-22R-5%
9	1	R47	R0805	4R7	BD. R1. 04. 0047. 001	电阻-0805-4R7-5%
10	2	R48, R49	R0805	1R	BD. R1. 04. 0010. 001	电阻-0805-1R-1%
11	2	R58, R59	R0402	1K, 1%	BD.R1.02.0103.101	电阻-0402-1K-1%
12	1	SW1	sw ts-5	Button 2x12mm	HJ-TS-C005	轻触开关-4*4*1.5 铜方
13	18	U1, U2, U3, U4, U5, U6, U7, U8, U9, U	RGB 101	LED RGB	KTR-0404RGBC+	贴片发光二极管-SMD-0404 共阳全彩 RGB
14	2	U19, U20	WMM7040	WMM7040DT	ZD. U. 21. 0927. 001	数字硅麦-WMM7040DTFN0-8/TR
15	1				PCB2024102303	PCB-KH3643_S4_CIRCLE_LED_V10

缺口为正
缺口为负

KH3643_S4_CV28S_MB_V12						
20250903:R57从100K改为470K/0402						
BCP20250701PCBA-KH3643_S4_CV28S_MB_V12-4G&WIFI&NFC						
Item	Quantity	Reference	Pcb Foot	Part		
1	68	C5, C6, C382, C408, C459, C460, C616, C660, C661, C855, C867, C873, C876, C877, C94, C359, C389, C390, C391, C445, C471, C473, C676, C848, C849, C850, C851, C852, C853, C854, C856, C857, C861, C862, C863, C902, C908, C909, C910, C911, C912, C913, C919, C920, C921, C922, C924, C925, C926, C927, C928, C929, C939, C945, C948, C949, C950, C951, C953, C954, C955, C956, C957, C958, C959, C960, C961, C966	C0201	10pF	BD. C1. . 00. 0907. 001	电容-0201-10PF-50V
2	6	C7, C8, C9, C10, C637, C638	C0402	18pF	BD. C1. 00. 1812. 305	电容-0402-18pF-50V
3	11	C11, C28, C356, C402, C403, C427, C432, C822, C824, C828, C836	C0402	4. 7uF/6.	BD. C1. 00. 4705. 303	电容-0402-4. 7uF-6. 3V
4	47	C12, C13, C15, C16, C18, C19, C26, C27, C32, C33, C34, C35, C36, C37, C38, C39, C41, C44, C49, C182, C183, C400, C401, C584, C614, C690, C691, C698, C700, C701, C703, C704, C705, C706, C786, C788, C789, C811, C825, C826, C827, C829, C830, C831, C833, C842, C847	0201C-0C	0. 1uF	BD. C1. 22. 0714. 002	电容-0201-0. 1uF-16V
5	11	C22, C23, C24, C782, C783, C785, C791, C792, C874, C875, C878	0201C-0C	1nF	BD. C1. 24. 0124. 001	电容-0201-1nF-16V
6	11	C25, C29, C583, C784, C787, C810, C834, C835, C47, C694, C695	0201C-0C	1uF	BD. C1. 22. 0714. 003	电容-0201-1uF-16V
7	3	C40, C779, C838	C0603	4. 7uF/10	BD. C1. 23. 0303. 002	电容-0603-4. 7uF-10V
8	7	C42, C48, C692, C693, C696, C697, C699	C0402	10uF	ZD. C1. 21. 0706. 603	电容-0402-10uF-6. 3V
9	2	C45, C46	C0402	22nF	BD. C1. 03. 2215. 304	电容-0402-22nF-25V
10	20	C51, C78, C86, C87, C115, C422, C437, C603, C621, C623, C636, C798, C809, C823, C937, C938, C940, C942, C970, C858	C0402	0. 1uF	BD. C1. 03. 1004. 303	电容-0402-0. 1uF-16V
11	9	C53, C247, C426, C433, C539, C622, C624, C933, C936	C0402	2. 2uF	BD. C1. 00. 2205. 303	电容-0402-2. 2uF-10V
12	2	C64, C429	1210 TAN	100uF	BD. C1. 00. 1006. 503	钽电容-B3528-100uF-6. 3V
13	12	C65, C76, C79, C81, C88, C91, C425, C556, C793, C795, C796, C864	C0603	10uF	BD. C1. 21. 1021. 101	电容-0603-10uF-10V
14	4	C66, C100, C773, C805	C0603	2. 2uF/16	BD. C1. 00. 2205. 103	电容-0603-2. 2uF-10V
15	6	C80, C82, C89, C92, C797, C866	C0603	22uF	BD. C1. 00. 1226. 001	电容-0603-X5R-22UF±20%-6. 3V
16	26	L52, L68, L78, R80, R81, R207, R208, R210, R214, R243, R256, R257, R304, R307, R350, C375, R464, R652, R682, R683, C808, R959, R985, R991, R995,	R0402	0R	BD. R1. 02. 0000. 201	电阻-0402-0R-5%
17	4	C387, C388, C777, C799	C0402	0. 47uF	BD. C1. 00. 4704. 303	电容-0402-0. 47uF-16V
18	3	C404, C423, C424	C0402	10pF	BD. C1. 06. 1012. 305	电容-0402-10pF-50V
19	1	C438	C0402	33pF	BD. C1. 04. 0033. 402	电容-0402-33pF-50V
20	3	C521, C530, C666	C0805	22uF	BD. C1. 00. 2206. 203	电容-0805-22uF-6. 3V
21	4	C20, C632, C625, C626	C0402	100pF	BD. C1. 00. 1013. 305	电容-0402-100pF-50V
22	2	C627, C629	C0402	51PF	BD. 0402. 0923. 02	电容-0402-51PF-50V
23	2	C17, C628	C0402	5. 6PF	BD. C1. 22. 0809. 301	电容-0402-5. 6pF-50V
24	1	C633	C0402	47pF	BD. C1. 00. 4712. 305	电容-0402-47pF-50V
25	1	C634	C0402	5pF	BD. C1. 06. 5011. 305	电容-0402-5pF-50V
26	1	C635	C0402	15pF	BD. C1. 00. 1909. 001	电容-0402-15pF-50V-±5%
27	1	C778	C0402	0. 01uF	BD. C1. 00. 0104. 303	电容-0402-10nF-50V
28	1	C781	C0402	1uF	BD. C1. 00. 0106. 303	电容-0402-1uF-10V
29	1	C818	C0402	220pF	BD. C1. 06. 2203. 305	电容-0402-220pF-50V
30	3	C843, C844, C845	0201C-0C	3. 3nF	BD. C1. 25. 0110. 001	电容-0201-3. 3nF-16V
31	1	C898	C0402	1nF	BD. C1. 00. 0109. 303	电容-0402-1nF-50V
32	2	C906, C916	0201C-0C	330pF	BD. C1. 24. 0126. 001	电容-0201-330PF-50V
33	2	C943, C944	C0805	10uF/16V	BD. C1. 02. 1006. 203	电容-0805-10uF-16V
34	2	C967, C790	0201C-0C	2. 2uF	BD. C1. 22. 0714. 001	电容-0201-2. 2uF-10V
35	2	C968, C969	C0402	330pF	BD. C1. 04. 3300. 001	电容-0402-330pF-50V
36	12	D28, D65, D70, D78, D89, D91, D92, D93, D94, D95, D96, D97	sod-523	RB520S	ZD. D1. 11. 520S. 001	二极管-SOD523-RB520S-30/B C.J
37	5	D31, D32, D35, D99, D100	R0402	AM1150AF	BD. 2021. 0113. 001	TVS管-AM1150AF

38	1	D34	ESD0603	0603ESDA	ZD. D1. 12. 0003. 003	电源TVS管-SOD523-ST0571S5
39	14	H15, H16, H17, H18, H19, H20, H21, H22, H23, H24, H25, H26, H27, H28	GND PAD	Shield c	B. 5. 3075. 0001	屏蔽夹-6. 5*0. 8*1. 28mm
40	1	J36	SMD1R00	CON4	DZ. 4J. 01. 000. 11	插座-1. 0mm*4p贴片立式
41	1	J46	moto-bre	motor	B. 1. 11. 000003	马达-BRE-3728-贴片
42	1	J76	NANO SIM	nano-sim	DZ. J8. 22. 0802. 02	SIM卡座-1. 35H NANO 可防水 配卡托
43	6	J77, J112	SPR3-p0r	SMT-SPR1	BC007-YX-0022B1	BC007-射频天线弹片-3. 5*1. 5*H2. 2
44	2	J96, J97	BTB POR3	BTB POR3	OK-118RF030/2-35	母座-BTB POR35 30P HOR7-F
45	10	J99, J100, J101, J102, J113	SPR2-POR	SPRING x	KAOLA-YX-210817	KAOLA-射频天线弹片-L1. 9*W1. 1*H1. 2
46	1	J106	USB-TYPE	USB TYPE	XD-TC24FX3-1	XD-防水USB Type-C 24P-F沉板1. 4mm前插后贴SMT
47	1	J108	HEAD2X4	CON8A	DZ. J1. 24. 1022. 002	排母-SMT-FECH1. 27*合高7mm-2*4P
48	1	J111	con 16 x	CON16	FPC0510-16RL-TAG	FFC软排线座0. 5mm*16p*1. 0H-前插前锁/掀
49	1	J114	parallel	CON12	B1. 101. 1012. 01	FFC软排线座0. 5*12P贴片立式
50	2	L1, L2	L0603	470nH	BD. L1. 0603. 1020. 01	电感-0603-470nH
51	5	L3, L4, L7, L45, L57	L2520	2. 2uH 3x	BD. L1. 2308. 2R2M. 01	电感-MHCHL252012F-2R2M-Q8A
52	2	L5, L9	R0402	33nH	BD. L1. 0402. 0033. 01	电感-0402-33nH
53	2	L6, L33	L3X3	2. 2uH 3x	BD. L1. 2D14. 2R2M. 01	电感-SWPA3012S2R2MT (2. 2UH 3*3)
54	19	L8, L60, L61, L62, L63, L64, L65, R126, R212, R302, R468, R520, R723, R872, R313, R337, R341, R355, R356	R0402	1K, 1%	BD. R1. 02. 0103. 101	电阻-0402-1K-1%
55	1	L23	R0402	1. 5K, 1%	BD. R1. 02. 1502. 001	电阻-0402-1. 5K-5%
56	4	L26, L69, L70, L71	R0402	330R	BD. R1. 02. 0330. 001	电阻-0402-330R-1%
57	9	R16, L34, R127, R548, R929, R931, R221, R231, R990	R0402	100K, 1%	BD. R1. 02. 1004. 002	电阻-0402-100K-1%
58	1	L38	L4X4	2. 2uH 4x	BD. L1. 01. 1109. 001	电感-1. 5uH 4x4mm
59	1	L58	R0402	120R BEA	BD. L2. 01. 0120. 001	磁珠-0402-BLM15EG121SN1D
60	10	L73, L74, R104, R343, R344, R671, R809, R810, R849, R989	R0201	OR	BD. 02. 0914. 001	电阻-0201-OR
61	4	Q1, Q28, Q68, Q93	SOT23	JMTJ210P	ZD. Q1. 22. 0310. 001	MOS管-JMTJ210P02A
62	4	Q22, Q67, Q89, Q92	SOT23	DTA144ET	ZD. Q1. 00. 144E. 002	三极管-SOT23-DTC144ECA
63	2	Q23, Q80	SOT23	VB1240	ZD. U. 00. 1240. 001	芯片VB1240
64	2	Q85, Q88	SOT23	MMBT3904	ZD. Q1. 00. 3904. 002	三极管-SOT23-MMBT3904
65	34	R1, R2, R3, R4, R5, R6, R7, R8, R10, R11, R12, R13, R15, R18, R21, R22, R23, R24, R27, R39, R43, R53, R69, R73, R76, R276, R312, R324, R342, R466, R582, R802, R827, R878	R0201	47K	BD. R1. 24. 0124. 001	电阻-0201-47k-1%
66	8	R9, R20, R71, R222, R250, R721, R854, R920	R0402	47K	BD. R1. 03. 4702. 103	电阻-0402-47K-1%
67	2	R30, R33	R0201	10K	BD. R1. 22. 1121. 001	电阻-0201-10K-1%
68	12	R35, R40, R114, R166, R202, R230, R316, R335, R338, R357, R449, R909	R0402	10K	BD. R1. 02. 1003. 002	电阻-0402-10K-1%
69	5	R58, R251, R255, R336, R57	R0402	470K	BD. R1. 24. 1009. 001	电阻-0402-470K-1%
70	15	R62, R63, R129, R225, R229, R236, R237, R260, R263, R314, R315, R451, R452, R523, R641	R0402	22R	BD. R1. 02. 2200. 001	电阻-0402-22R-5%
71	2	R64, R66	R0402	100R	BD. R1. 1909. 001	电阻-0402-100R-1%
72	3	R65, R325, R397	R0402	200R	BD. R1. 02. 0200. 001	电阻-0402-200R-5%
73	3	R67, R646, R947	R0402	1M	BD. R1. 02. 0106. 001	电阻-0402-1M-5%
74	1	R68	R0402	10M	BD. R1. 1204. 001	电阻-0402-10M
75	2	R82, R801	R0402	240R, 1%	BD. R1. 02. 2401. 101	电阻-0402-240R-1%
76	1	R83	R0402	24K, 1%	BD. R1. 02. 2403. 101	电阻-0402-24K-1%
77	11	R90, R91, R112, R203, R205, R536, R120, R220, R339, R340, R993	R0402	4. 7K, 1%	BD. R1. 02. 0407. 002	电阻-0402-4. 7K-1%
78	9	R108, R125, R128, R201, R204, R305, R530, R124, R838	R0402	20K 1%	BD. R1. 02. 2001. 001	电阻-0402-20K-1%
79	4	R110, R119, R138, R211	R0402	2. 2K	BD. R1. 02. 2203. 001	电阻-0402-2. 2K-1%
80	2	R111, R115	R0402	18. 2K, 1%	BD. R1. 04. 1820. 101	电阻-0402-18. 2K-1%
81	1	R140	R0402	3. 3K	BD. R1. 02. 3033. 001	电阻-0402-3. 3K-1%
82	1	R213	R0603	OR	BD. R1. 03. 0000. 001	电阻-0603-OR-5%
83	1	R240	R0201	1K	BD. R1. 22. 0714. 004	电阻-0201-1K-1%
84	1	R317	R0201	4. 7K	BD. R1. 21. 0419. 001	电阻-0201-4. 7k-1%
85	1	R318	R0402	SDNT1005	BD. R1. 1204. 002	电阻-贴片-热敏电阻-10k-1%

86	1	R327	R0201	470K	BD. R1. 24. 0124. 002	电阻-0201-470k-1%
87	1	R331	R0805	0R/0805	BD. R1. 04. 0000. 001	电阻-0805-0R-5%
88	1	R690	R0201	22R	BD. R1. 24. 1023. 001	电阻-0201-22R-1%
89	1	R808	R0402	9. 1K	BD. R1. 02. 9103. 101	电阻-0402-9. 1K-1%
90	3	R859, R919, R925	R0402	5. 1K, 1%	BD. R1. 22. 0927. 001	电阻-0402-5. 1K-1%
91	1	R910	R0402	7. 5K	BD. R1. 21. 0629. 001	电阻-0402-7. 5K-1%
92	3	R957, R958, R981	R0402	4. 7ohm	BD. C1. 21. 1018. 003	电阻-0402-4. 7R-1%
93	1	R978	R0402	59K	BD. R1. 22. 0926. 004	电阻-0402-59K-1%
94	1	R983	R1206	10mohm/0	BD. R1. 22. 0802. 01	电阻-白色合金电阻-1206-0. 01R-1%
95	2	S6, S7	S-TS-B00	4X4 mini	HJ-TS-B00901	轻触开关-3*4*1. 8H 两脚小龟
96	1	U1	AMBA CV2	CV28M	ZD. U. 22. 1115. 002	芯片-CV28S66M-A0-RH
97	6	U5, U188, U211, U219, U225, U226	SOT23-5	SGM61020	ZD. U. 24. 0926. 001	芯片-SGM61020SXN5G
98	1	U14	QFN1418-4	WAS7222Q	ZD. U. 21. 1019. 001	芯片-WAS7222Q-10/TR
99	1	U20	bga153 2	FEMDRM06	ZD. U. 24. 0329. 001	芯片-UEMCGS63S0
100	1	U23	qfn50p50	YC5018	ZD. U. 08. 0923. 001	芯片YC5018
101	1	U37	SMCE-322	VCO 32. 7	Y0006	钟振-3225-32. 768KHZ
102	1	U152	SOT23-5	ETA5050V	ZD. U. 22. 0330. 001	芯片-ETA5050V28S2F
103	1	U164	AP6281	AP6255/1	MK. 2565. 001	模块-WIFI-AW-CM256SM
104	1	U175	ec20 r2	EC25 GL	MK. 23. 0825. 02	模块-全球通4G-EG25GLGD-128-SGNS
105	1	U190	SOT23	LC1208CB	ZD. U. 24. 0124. 001	芯片-XC6206P182MR-G
106	1	U194	QFN24L-3	ES8389	ZD. U. 24. 1022. 001	芯片-ES8389
107	1	U206	SOT-363	WAS3157B	ZD. U. 22. 1021. 001	芯片-WAS3157B-6/TR
108	1	U207	QFN4x4-2	SC89601D	ZD. U. 24. 1025. 001	芯片-SC89601DQDLR
109	1	U208	WLCSP-9	CW2215B	ZD. U1. 22. 0802. 04	芯片-CW2215BAAC
110	1	U209	LP4 BGA2	MT53D512	ZD. U. 24. 1028. 001	芯片-JSL4B8G168ZAMF-05
111	1	U217	AW8733A	AW8733A	ZD. U. 23. 0517. 02	芯片-AW8733ATQR
112	1	U228	VDFPN8	ST4SIM-2	ZD. U. 25. 0627. 001	芯片-ST4SIM-200M
113	1	U229	AW35615	AW35615P	ZD. U. 25. 0627. 002	芯片-AW35615PFCR
114	1	X1	SMCE-322	24MHz	ZD. Y1. 04. 0024. 001	晶振-3225-24MHz
115	1	X2	SMCE-322	37. 4MHz	ZD. Y1. 0037. 001	晶振-X3225-37. 4MHZ
116	1	X3	SMCE-322	27. 12MHz	ZD. Y1. 04. 0923. 001	晶振-3225-27. 12MHZ
117	1	Y2	RTC	32. 768KH	ZD. Y1. 04. 0032. 001	晶振-32. 768KHz(贴片)
118	1				PCB2025070101	PCB-KH3643 S4 CV28S MB V12

ZD. U1. 25. 0805. 002 芯片-TEMCG105T10

KH3643_S4_SENSOR_OS0-8C10_V10						
BCP2024102302		PCBA-KH3643_S4_SENSOR_OS0-8C10_V10				
Item	Quantity	Reference	Pcb Footp	Part		
1	12	C6, C16, C17, C29, C34, C35, C36, C671, C	C0201	18pF	BD.L1.0201.1020.02	电容-0201-18PF
2	9	C7, C9, C10, C15, C52, C347, C511, C512, C	C0201	2.2uF	BD.C1.22.0714.001	电容-0201-2.2uF-10V
3	4	C8, C14, C28, C668	C0402	4.7uF/6.3V	BD.C1.00.4705.303	电容-0402-4.7uF-6.3V
4	12	C12, C13, C18, C27, C31, C53, C422, C563	C0201	0.1uF	BD.C1.22.0714.002	电容-0201-0.1uF-16V
5	1	C37	C0201	6.8pF	BD.C1.20.1102.001	电容-0201-6.8PF
6	3	C43, C44, C683	C0201	0.47uF	BD.C1.22.0324.001	电容-0201-0.47uF-6.3V
7	10	C673, C674, C675, C676, C677, C678, C679	C0201	4.7pF	BD.C1.24.0228.001	电容-0201-4.7PF-16V
8	1	J96	BTB_P0R35	BTB_P0R35_30P	OK-118RF030/2-35	母座-BTB_P0R35_30P_H0R7-F
9	1	R9	R0402	10K	BD.R1.02.1003.002	电阻-0402-10K-1%
10	1	R837	R0402	20K, 1%	BD.R1.02.2001.001	电阻-0402-20K-1%
11	2	R986, R991	R0201	0R	BD.02.0914.001	电阻-0201-0R
12	1	R987	R0402	0R	BD.R1.02.0000.201	电阻-0402-0R-5%
13	1	U2	S0T23-5	ETA5050V18S2F	ZD.U.22.0525.001	芯片-ETA5050V18S2F
14	1	U172	OS08C10_V	OS08C10	ZD.U.24.1023.003	芯片-OS08C10
15	1	U183	PQFN50P30	ICM-42670-P	ZD.U.20.1026.001	芯片-ICM40608
16	1				PCB2024102302	PCB-KH3643_SENSOR_OS0-8C10_V10

KH3643-S4 BAT DAUGHTER V10						
BCP2024102308		PCBA-KH3643-S4_BAT_DAUGHTER_V10				
Item	Quantity	Reference	Pcb Footprint	Part		
1	1	J82	OK-501F006-13	OK-501F006	DZ.4J.22.0926.003	电池母座-OK-501F006-13
2	1	J93	SMD1r00 2PIN-H	CON2	DZ.2J.01.0703.01	插座-1.0mm*2p卧式贴片
3	1	J108	HEAD2X4 1R27MM-SMT	CON8A	DZ.J1.24.1022.003	排针-SMT-FECH1.27*合高7mm-2*4P
2	1				PCB2024102308	PCB-KH3643-

KH3643-S4 CHARGING BASE-V12						
BCP2025070401						
PCBA-KH3643-S4 网络版充电底座-V12						
Item	Quantity	Reference	Pcb Footp	Part		
1	2	C3, C4	C0402	27pF	BD. C1. 00. 1220. 001	电容-0402-27PF
2	1	C5	C0402	4. 7uF	BD. C1. 00. 4705. 303	电容-0402-4. 7uF-6. 3V
3	16	C6, C7, C8, C10, C11, C12, C14, C16, C17, C83, C343, C446, C447, C329, C330, C448	C0402	0. 1uF	BD. C1. 03. 1004. 303	电容-0402-0. 1uF-16V
4	2	C9, C13	C0402	1uF	BD. C1. 00. 0106. 303	电容-0402-1uF-10V
5	2	C100, C212	C0603	10uF	BD. C1. 21. 1021. 101	电容-0603-10uF-10V
6	2	C444, C449	C1206	102/2KV	BD. C1. 1218. 002	电容-1206-1nF-2KV
7	1	C445	C0402	1nF	BD.C1.00.0109.303	电容-0402-1nF-50V
8	5	D11, D12, D31, D36, D39	R0402	ST0541D4	BD. 2021. 0113. 001	TVS管-0402-AM1150AF
9	14	D13, D14, D16, D17, D18, D19, D20, D21, D22, D23, D25, D37, D40, D43	R0402	0402ESDA-M	BD5. 101. 0402. 001	二极管-0402-ESDA-MLP1
10	2	D34, D35	ESD0603	ST0571S5	ZD. D1. 12. 0003. 003	电源TVS管-0603-ST0571S5
11	2	D41, D42	DO-214AA-	P4200SC	BD.2024.0129.001	TVS-P3100SD
12	12	FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB9, FB10, FB11, FB12	R0402	120R/100M	BD. L2. 01. 0120. 001	磁珠-0402-BLM15EG121SN1D
13	5	H15, H16, H17, H18, H19	GND PAD	Shield cl	B.5.3075.0001	屏蔽夹-6.5*0.8*1.28mm
14	1	J51	RJ45-LED=	RJ45 LED	DZ. 81. 04. 0000. 001	网络头-RJ45 带灯
15	2	J74-1,J74-5	tp-5-3r5-c	BoardSide	BC400-D-10	BC400充电顶针-φ2. 4*11. 9mm-地脚用
16	3	J74-2,J74-3,J74-4	tp-5-3r5-c	BoardSide	BC3643-D-4	充电底座顶针2. 4*11. 1mm(BC3643)
17	1	J87	USB-TYPE C	USB TYPEC	DZ.19.09.001	USB-TYPE-C母座24p
18	1	R1	C0402	2. 49K	BD. R1. 02. 0249. 001	电阻-0402-2. 49K-1%
19	3	R3, R842, R843	R0402	5. 1K	BD. R1. 1909. 002	电阻-0402-5. 1K-5%
20	1	R93	R0402	1K	BD.R1.02.0103.101	电阻-0402-1K-1%
21	3	R121, R122, R844	R0402	0R	BD.R1.02.0000.201	电阻-0402-0R-5%
22	4	R481, R483, R484, R485	R0402	75R	BD. R1. 02. 7500. 001	电阻-0402-75R-5%
23	2	R482, R841	R0402	510R	BD. R1. 02. 5101. 001	电阻-0402-510R-5%
24	1	T1	SOIC1r27p	Transforme	ZD.U.16.1102.001	芯片H1102NL-PULSE
25	1	U1	qfn25-p0r	SR9900/RTI	BD19090301	芯片-SR9900A-QFN24
26	1	U21	TSSOP-20	STM8S103F2	ZD. U. 08. 0103. 002	芯片STM8S103F2-MCU/STM8S003
27	1	U148	SOT23-5	RT9013-33	ZD.U.22.0714.001	芯片-ETA5050V33S2F
28	1	X1	SMCE-3225	25MHz	ZD. Y1. 04. 0025. 001	晶振-3225-25MHz
29	1				PCB2025070401	PCB-KH3643-S4 CHARGING BASE-V12

KH3643-S4_FPC_SENSOR-V10						
BCP2024102305		PCBA-KH3643-S4_FPC_SENSOR-V10(连接sensor排线软板)				
Item	Quantity	Reference	Pcb Footprint	Part		
1	2	J97, J98	BTB_POR35_30P	BTB_POR35_30P_H0R7-M	OK-118RM030/2-35	公座-BTB_POR35_30P_H0R7-F
2	1				PCB2024102305	PCB-KH3643-S4_FPC_SENSOR-V10