

KT720 Base board PCBA BOM

文件编号	N/A
版本号/版次	V003
名称	KT720 底板
物料编号	1697021778
生效日期	2015/4/10

序号	物料描述	Spec.	位 号	数量	备注
1	BAT BATTERY SOCKET DIP TCH32N ϕ 20mm*3.2mm(H)	Yes	BAT1	1	
2	BUZZER TH ϕ 9mm*5.5mm ACT TMB-09-A 3VDC 2300Hz \geq 82dB	Yes	B2	1	
3	CAP SMT 0603 0.033uF \pm 10% 50V X7R CER	Yes	C22	1	
4	CAP SMT 0603 0.22uF \pm 10% 50V X7R CER	Yes	C201 C205 C208 C23	1	
	DIODE SMT SOT-363R BAV99DW DIODE INC	Yes	Z1-2 Z4-5	4	
6	CAP SMT 0603 0.68uF \pm 10% 16V X7R CER	Yes	C18-19	2	
7	CAP SMT 0603 100nF \pm 10% 50V X7R CER	Yes	C1-2 C5 C12 C15 C20 C24 C40 C43 C69 C72 C77 C86 C88 C90 C97-100 C103-104 C110 C112 C114 C127 C158-163 C197 C200 C207 C212-213 C216 C219-222 C226 C232 C235-238 C270-271 C273 C282 C294 C26-27 C52 C54-57 C60 C71 C73-74 C76 C89 C91 C93-95 C101-102 C106-109 C115-117 C120-123 C126 C128-131 C134-145 C147-149 C151-152 C157 C168-174 C176-185 C223 C275-277 C280 C263 C278 C287 C289	130	
8	CAP SMT 0603 100pF \pm 5% 50V X7R CER	Yes	C263 C278 C287 C289	4	
9	CAP SMT 0603 10nF \pm 10% 50V X7R CER	Yes	C13 C64-66 C118-119 C198-199 C239-248 C329-330 C4 C284-285 C302	23	
11	CAP SMT 0603 12pF \pm 10% 50V X7R CER	Yes	C16-17 C295	3	
12	CAP SMT 0603 1uF \pm 10% 50V X7R CER	Yes	C36 C48-51 C59 C92 C132 C153 C187-189 C292	13	
13	CAP SMT 0603 2.2nF \pm 5% 50V X7R CER	Yes	C63 C154 C186 C264	4	
14	CAP SMT 0603 2.2uF \pm 10% 10V X7R CER	Yes	C96 C164-167 C191 C194 C217-218 C291 C327-328	12	
16	CAP SMT 0603 27nF \pm 10% 50V X7R CER	Yes	C8-11 C14	5	
17	CAP SMT 0402 2pF \pm 0.25pF 50V NPO CER	Yes	C30-31 C34-35 C38-39 C53 C58 C233-234 C253-254	12	
18	CAP SMT 0805 470nF \pm 10% 50V X7R CER	Yes	C6-7	2	
21	CAP SMT 0603 510pF \pm 10% 50V X7R CER	Yes	C203 C210	2	
23	CAP SMT 0603 680pF \pm 10% 50V X7R CER	Yes	C202 C206 C209	3	
25	CAP SMT 0402 8pF \pm 5% 50V COG CER	Yes	C75 C78 C82 C85	4	
26	CAP SMT 0805 22nF \pm 5% 250V X7R CER	Yes	C29 C33 C37 C155	4	
27	CAP SMT 0805 10uF \pm 10% 10V X7R MLC	Yes	C274 C283 C293	3	
29	CAP SMT 0805 22pF \pm 5% 500V COG CER	Yes	C44-46 C61 C146 C150 C196 C266	8	
32	CAP SMT 0805 47pF \pm 5% 500V COG CER	Yes	C47 C62 C175 C265	4	
33	CAP SMT 0805 C2012X5R0J106K \pm 10% 6.3V X5R TDK	Yes	C3 C25 C87 C105 C113 C133 C156 C249-251 C255-256 C258 C260 C290 C79 C81 C83-84	19	
34	CAP SMT 1206 1000pF \pm 10% 1KV X7R CER	Yes	C70 C227-231 C225	7	
36	CAP SMT 1210 47uF -20%/+80% 10V Y5V MLC	Yes	C28 C269 C272 C279 C204	5	
	CAP SMT 1206 1uF \pm 10% 16V X7R YAGEO	Yes	C214-215	2	
37	CAP SMT 1210 C3225X7R1H225K \pm 10% 50V X7R TDK	Yes	C21 C32 C211	3	
38	CAP SMT CASE:B(3528-21) 10uF \pm 10% 25V X7R TAN	Yes	EC1-3 EC11-14	7	

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39	CAP SMT VAR 2.3(W) x3.2(L) x1.45(H) mm TZY2K450AC01R00 0~45pF +100/-0% 25V -10° C~+40° C MURATA	Yes	TC01-03 TC07	4	
40	CAP SMT 06.3X7 47uF ±10% 50V ELECT	Yes	EC6 EC27-31	6	
41	CONN SMT SD-S S1.1mm H1.85mm 12P TF-5010-03 -20°C/+85°C KAPON深圳卡邦	Yes	J13	1	
42	CONN SMT USB MicroB 1050170001 molx	Yes	J14	1	
43	CONN SMT 排母 S1.27mm H5.80mm 2P×50 B1K0A3A1A1A1 180° - 40°C~+105°C 单塑双排/带定位销/耐高温/镀金 ERNI	Yes	J6 J7	2	
44	CONN TH MDC-9-004 S端子 (深圳连硕达科技)	Yes	PS2	1	
45	CONN TH YS-UA-002-08-B USB测插座90°侧插短体	Yes	J11	1	
46	CRY SMT 3.20X2.50X1.20mm 10ppm XO32-YACSC-20.00MHz -10 °C~+60°C JFVNY	Yes	Y0	1	
47	CRYSTAL SMD HC-49U/S SMD 4.0MHz 12pF +/-30PPM -10° C~+60°C	Yes	Y1	1	
48	DIODE SMT RECT SMB MURS320T3 200V 3A ON	Yes	D3 D21 D29	3	
49	DIODE SMT RECT SMB SS26-E3/52T60V 2A VISHAY	Yes	D6 D12 D15 D22	4	
50	DIODE SMT RECT SOD123 MMSZ5235B-7F 6.8V DIODES	Yes	D1 D4 D24-27 D34 D53	8	
51	DIODE SMT RECT SOD323 BAS170WS-V 70V 70mA VISHAY	Yes	D5 D11 D13 D23	4	
52	DIODE SMT SW LL34 1N4148 100V 200mA Fairchild	Yes	D7-10 D14 D16-19 D33 D42-45 D51 D54-55 D2 D20 D28	20	
53	DIODE SMT TVS-Bi SMB P6SMB30CA 100A ON	Yes	Z3	1	
54	FUSE SMT PTC 1206 SCF050-1206 8V 0.5A SOCAP	Yes	F4	1	
	FB SMT 0603 BLM18SG121TN1D 120 ohm@100MHz +/-25% 3A Murata	Yes	CR1 CR3	2	
55	FB SMT K5B S5H 5*4.6*5.2 5Ts-M-T Compon-tech	Yes	CR2	1	
56	CMF SMT 0805 WCM-2012-900T 90ohm@100MHz ±25% 400mA Compon-tech	Yes	T1-2	2	
57	FUSE SMT PTC 2920 SCF185 33V 1.85A SOCAP	Yes	F1-2	2	
58	IC SMD SOIC8 SP2525A-2 Sipex	Yes	U44	1	
59	IC SMT DCT((R-PDSO-G8) TXS0102DCTT TI	Yes	U10 U29	2	
60	IC SMT FT256 EP4CE6F17C8N ALTERA	Yes	U6	1	
61	IC SMT LFCSP_VQ AD8264ACPZ ADI	Yes	U1	1	
62	IC SMT LFCSP48 AD9219ABCPZ-40 ADI	Yes	U8	1	
63	IC SMT MSOP-10 LTC2634IMSE-HMX10 LIEAR	Yes	U3	1	
64	IC SMT MSOP-12 LT3650EMSE-8.4#PBF LINEAR	Yes	U11	1	
65	IC SMT MSOP8 AD8066ARMZ ADI	Yes	U12 U17 U42 U401	4	
66	IC SMT QFN38 LT3507EUHF#PBF LINEAR	Yes	U39	1	
67	IC SMT SO14 LM239D TI	Yes	U37-38	2	
68	IC SMT SO6 DS28E01-100 Maxim	Yes	U25	1	
69	IC SMT SOIC8 AD8541ARZ ADI	Yes	U27	1	
70	IC SMT SOICW16 ADuM1411ARWZ ADI	Yes	U54	1	
71	IC SMT SOT-23(DBV) TL431DBVR TI	Yes	U26	1	
72	IC SMT SOT23-5 ADP7182AUZ-R7 ADI	Yes	U16	1	

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	IC SMT SOT23-5 AP2112K-1.2TRG1 DIODES	Yes	U5		1	可用MCP1824T-1202E/OT替代
73	IC SMT SOT23-5 AP2127K-ADJTRG1 DIODES	Yes	U5		1	用于替代 AP2112K-1.2TRG1
	RES SMT CM 0603 7.5KΩ ±1% 1/10W	Yes	R246		1	
	RES SMT CM 0603 15KΩ ±1% 1/10W	Yes	R247		1	
74	IC SMT SOT23-5 AP2127K-1.8TRG1 DIODES	Yes	U40 U43 U46		3	可用MCP1824T-1802E/OT替代
75	IC SMT SOT23-5 AP2127K-2.5TRG1 DIODES	Yes	U45		1	可用MCP1824T-2502E/OT替代
76	IC SMT SOT23-5 AP2127K-3.3TRG1 DIODES	Yes	U7 U35		2	可用MCP1824T-3302E/OT替代
77	IC SMT SOT457 PRTIR5V0U4D NXP	Yes	U30 U41		2	
78	IC SMT TQFP100 FS9922-DMM4 Fortune	Yes	U23		1	
79	IC SMT TSOP44 AS7C34098A-10TIN ALLIANCE	Yes	U20-21		2	
80	IC SMT TSOT-23 LTC2950ITS8-1#TRMPBF LINEAR	Yes	U28		1	
81	IC SMT TSOT6 ADR127AUJZ-REEL7 ADI	Yes	U2		1	
82	IC SMT TSSOP16 74HC4053PW NXP	Yes	U4 U13		2	
83	IC SMT TSSOP16 74HC595PW NXP	Yes	U22 U24 U33-34		4	
84	IND SMD PWR 2.0mm x 2.5mm x 1.0mm 74479889310 10uH ±20%	Yes	L2 L6-7		3	
	IND SMD PWR 2.0mm x 2.5mm x 1.0mm 74438323100 10uH ±20%	Yes	L2 L6-7		3	可替代 74479889310
85	IND SMD PWR 7.3mm x 7.3mm x 3.2mm 744777115 15uH ±20%	Yes	L1 L3-5		4	
86	LED SMT 0805 HT17-2102SURC 2.2V Red >50mcd Harvatek宏齐	Yes	D32		1	
87	LED SMT 0805 HT17-2102UBGC 3.2V GREEN >50mcd Harvatek宏齐	Yes	D31 D50		2	
88	LED SMT 0805 HT17-2102UYC 2.2V Yellow >50mcd Harvatek宏齐	Yes	D49 D52		2	
89	MOS SMT SO-8 DMP4047SSDQ-13 Dual P-CHANNEL -40V -5.9A DIODES	Yes	U31		1	可用Si7949DP 替代
90	MOS SMT SOT23 IRLML6402TRPBF P-CHANNEL -20V -2.2A IR	Yes	Q3 Q19 Q23		3	
91	MOS SMT TSOP-6 NTGS5120PT1G P-CHANNEL -60V -2.9A ON	Yes	Q27		1	
92	IC POWERMODUL SIP 03S03Y1-N1 ANSHUIJIE(RoHS)	Yes	U9		1	
93	IC POWERMODUL SIP 05D05Y4-N2 ANSHUIJIE(RoHS)	Yes	U36		1	
94	RELAY SMT FTR-B4SA4.5Z FUJISU	Yes	K1-5 K7-10 KKO		10	
95	Relay: Photomos, SOP4 AQY280SX PANASONIC	Yes	U14-15 U18-19		4	
96	RES ARRAY SMT 061214*0603 10KΩ ±5% 1/10W	Yes	RR1 RR3-4		3	
97	RES SMT PTC TFPT0805L1201FV VISHAY	Yes	PTC		1	
98	RES SMT CM 0603 0Ω ±5% 1/10W	Yes	3V3, SW 5V, SW R24 R27 R46 R191-192 RELAY SW R137 R282		10	
99	RES SMT CM 0603 100KΩ ±5% 1/10W	Yes	R65 R168 R175 R177 R179 R181 R205 R207 R209 R211 R213 R215 R219 R268 R51 R168-169 R229		18	
100	RES SMT CM 0603 100Ω ±5% 1/10W	Yes	R1 R6 R23 R57 R81 R102-103 R119 R204 R233-234 R237 R239 R241 R243 R203 R171-172		19	

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101	RES SMT MF 0603 10KΩ ±1% 1/10W	Yes	R34 R37 R39-40 R50 R55 R99 R130-131 R155 R164 R174 R189-190 R196 R198-201 R226-227 R236 R267 R281 R354-356 R162 R258 R261 R264 R68 R160 R222 R376 R127 R79 R144 R197 R31 R269 R26 R82-85 R147-149 R216 R142 R77 R105 R132-134 R30	60	
	RES SMT CM 0603 8.2KΩ ±1% 1/10W	Yes	R235	1	
102	RES SMT CM 0603 1KΩ ±1% 1/10W	Yes	R3-5 R32 R78 R80 R124 R126 R128-129 R217-218 R220 R223 R334 R28 R359	17	
103	RES SMT CM 0603 169KΩ ±5% 1/10W	Yes	R228	1	
104	RES SMT CM 0603 2.7KΩ ±5% 1/10W	Yes	R329-330 R360	3	
105	RES SMT CM 0603 20KΩ ±5% 1/10W	Yes	R48-49	2	
106	RES SMT CM 0603 4.7KΩ ±5% 1/10W	Yes	R76 R271-272 R274 R344 R176 R178 R180 R182 R206 R208 R210 R212 R214	14	
107	RES SMT CM 0402 5.1Ω ±5% 1/10W	Yes	R118 R120-121 R123 R111-113 R115-117 R122 R125	12	
	RES SMT CM 0603 470KΩ ±5% 1/10W	Yes	R238 R240 R242 R244	4	
	RES SMT CM 0603 149KΩ ±5% 1/10W	Yes	R151 R154 R163 R245	4	
110	RES SMT MF 0603 330Ω ±1% 1/10W	Yes	R338	1	
111	RES SMT CM 0603 51Ω ±5% 1/10W	Yes	R333	1	
112	RES SMT CM 0805 100Ω ±5% 1/10W	Yes	R7 R13 R19 R188	4	
114	RES SMT MF 0603 100KΩ ±1% 1/10W	Yes	R63 R72 R86 R88 R59-60	6	
115	RES SMT MF 0603 115KΩ ±1% 1/10W	Yes	R266	1	
116	RES SMT MF 0603 160KΩ ±1% 1/10W	Yes	R221	1	
117	RES SMT MF 0603 18KΩ ±1% 1/10W	Yes	R69	1	
118	RES SMT MF 0603 1MΩ ±1% 1/10W	Yes	R70 R74	2	
119	RES SMT MF 0402 200Ω ±1% 1/10W	Yes	R9 R15 R18 R21 R29 R43 R45 R47	8	
120	RES SMT MF 0603 22KΩ ±1% 1/10W	Yes	R56 R58 R202	3	
121	RES SMT MF 0603 24.3KΩ ±1% 1/10W	Yes	R259 R262 R265	3	
122	RES SMT MF 0402 24.9Ω ±1% 1/10W	Yes	R52 R54 R101 R110	4	
124	RES SMT MF 0603 2KΩ ±1% 1/10W	Yes	R275 R377	2	
125	RES SMT MF 0603 249.9KΩ ±1% 1/10W	Yes	R159	1	
126	RES SMT MF 0603 31.6KΩ ±1% 1/10W	Yes	R257 R185 R161	3	
128	RES SMT MF 0603 40.2KΩ ±1% 1/10W	Yes	R61 R64	2	
129	RES SMT MF 0603 49.9KΩ ±1% 1/10W	Yes	R62	1	
130	RES SMT MF 0603 52.5KΩ ±1% 1/10W	Yes	R260 R263	2	
131	RES SMT MF 0402 604Ω ±1% 1/10W	Yes	R1-12 R16 R22 R25 R42 R44 R53	8	
132	RES SMT MF 0603 68KΩ ±1% 1/10W	Yes	R140 R157	2	
133	RES SMT MF 0402 806Ω ±1% 1/10W	Yes	R8 R10 R14 R20	4	
134	RES SMT MF 0603 82KΩ ±1% 1/10W	Yes	R73	1	
135	RES SMT MF 0603 90.9KΩ ±1% 1/10W	Yes	R66	1	
136	RES SMT MF 0603 909KΩ ±1% 1/10W	Yes	R87	1	
137	RES SMT MF 0603 909Ω ±1% 1/10W	Yes	R225	1	
138	RES SMT MF 0805 100KΩ ±1% 1/8W	Yes	R94 R96	2	
139	RES SMT MF 0805 100mΩ 1% 1/8W	Yes	R224	1	
140	RES SMT MF 0805 10KΩ ±0.5% 1/8W	Yes	R97 R91	2	
141	RES SMT MF 0805 1KΩ ±1% 1/8W	Yes	R95 R98 R93	3	

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142	RES SMT MF 0805 1MΩ ±1% 1/8W	Yes	R92		1	
144	RES SMT MF 0805 240KΩ ±1% 1/8W	Yes	R106 R183 R232 R277		4	
145	RES SMT MF 0805 249KΩ ±1% 1/8W	Yes	R104 R109 R184 R270		4	
147	RES SMT MF 1210 10MΩ ±1% 1/4W	Yes	R89		1	
148	RES SMT MF 0805 750KΩ ±1% 1/4W	Yes	R41 R100 R107-108 R153 R186 R278 R290		8	
149	RES SMT VAR EVM3ESX50B14 10K+/-10 0.15W Panasonic	Yes	VR1-3		3	
150	RES TH PTC PTGL09AS7R6K6B51B0 7.6Ω ±10% Murata	Yes	PTC1-8		8	
151	SOCKET TH DC-038B POWER JACK	Yes	J2		1	
152	SW SMT TACT SPST 6mm*6mm*13mm(L/W/H) TL_3301_D_ F260_Q_ G 50mA 12VDC -20°C/+70°C E-SWITCH	Yes	J5 J12		2	
153	TR SMT SOT23 8050 J3Y NPN 40V 0.5A	Yes	Q1-2 Q4-18 Q20-22 Q24 Q26		22	
154	CONN TH BNC BNC-KWE10-2 OWON	Yes	BNC1-4		4	
155	KT700 VMI BATTER_CON PCBA	Yes	J4 J10		2	
156	IC SMT SOT-6 DAC081S101CIMK/NOPB TI	Yes	U47		1	
157	CONN TH DB26M HL112-26M-100-013 公座26P 联益	Yes	J1		1	
158	CUPRUM POLE Ø5.0×6.3mm +M3×5.0mm+Ø2.9×3mm	Yes	P1-4		4	
159	CONN SMT 排母-S S1.27mm H4.3mm 2Row*6P 234206351020 LEYCONN	Yes	J15		1	
160	CONN SMT 排母-S S1.27mm H4.3mm 2Row*9P 234209351020 LEYCONN	Yes	J9		1	
161	KT720 Base Board 屏蔽罩 103.67*31*12.5MM	Yes			1	
162	BAT COIN BATTERY CR2032 Φ20mm*3.2mm(H) 3V 225mAh Panasonic	Yes	on BAT1		1	
163	PCB KT720 Base Board V103 B(2015-02-06)					

KT700 VMI BATTER_CON board BOM

1	CONN TH TSA1-10105-00T3 CEN (RoHS)		K3		1	
2	CONN TH 排插 322206S142 C2.00MM三塑双排排针 LYCN(RoHS)		K1,K2		2	
3	PCB KT700 vmi_batter_con V103 (2012-03-08) 28.4mm*11.0mm*1.6mm(L/W/H) FR4				1	

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