

RA6T1 CPU Card BOM LIST

Product Name: RA6T1 CPU Card

Board Name : RA6T1 CPU Card (RTK0EMA170C00000BJ)

Schematic No : R12TU0091

Date : 2020/5/8

No.	Reference	Description	Manufacturer	PartNumber	Qty
1	CNA,CNB	CONN HEADR FEMALE 20POS .1 DL AU	Sullins Connector Solutions	SFH11-PBPC-D10-ST-BK	2
2	CN4	CONN RCPT USB2.0 MINI B SMD R/A	Hirose	UX60SC-MB-5ST	1
3	JP5	4Px2	Sullins Connector Solutions	NRPN042PAEN-RC	1
4	JP1,JP2,JP3,JP6	JP_3pin	Sullins Connector Solutions	NRPN031PAEN-RC	4
5	CN5,CN7	CONN HEADER XH TOP 5POS 2.5MM	JST	B5B-XH-A(LF)(SN)	2
6	CN10	CONN HEADER XH TOP 4POS 2.5MM	JST	B4B-XH-A(LF)(SN)	1

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No.	Reference	Description	Manufacturer	PartNumber	Qty
7	JP4	JP_2pin	Sullins Connector Solutions	NRPN021PAEN-RC	2
8	C19	Capacitor (C3216)	Taiyo	LMK316BJ475KD-T C3216X7R1E475K160AC GRM319R61H475KA12D	1
9	C1,C4,C6,C7,C8,C9, C10,C11,C12,C13,C14 C15 C16 C17 C18	Capacitor (C1005)	Taiyo	EMK105B7104KV-F	21
10	C2,C3	Capacitor (C1005)	Taiyo	UMK105CH100DVHF	2
11	C21,C22,C23,C24,C25, C26,C27,C28,C29, C30,C31,C32,C33,C34 C35 C36 C37 C38	Capacitor (C1005)	Murata	GCM155R71H471KA37D	18
12	C43,C44,C45,C46,C47, C48,C51,C54	Capacitor (C1005)	Taiyo	UMK105BJ102KVHF	8
13	C5	Capacitor (C1005)	Taiyo	EMK105ABJ474MV-F	1
14	C49	Capacitor (C1005)	Taiyo	EMK316BJ106KD-T	1
15	R1,R6,R8,R14,R15,R16, R17,R18,R19,R20	Resistor (R1005)	Taiyo	RK73B1ETTP472J	26
16	R9,R11,R95	Resistor (R1005)	KOA	RK73B1ETTP473J	3

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No.	Reference	Description	Manufacturer	PartNumber	Qty
17	R5,R24,R27,R29,R30 ,R32,R35,R38,R40,R 42,R44,R45,R56,R58 ,R59,R61,R64,R65,R 66,R67,R77,R78,R79 ,R86,R87,R88,R89,R 91	Resistor (R1005)	KOA	RK73H1ETTP1001F	28
18	R7,R10	Resistor (R1005)	KOA	RK73B1ETTP151J	2
19	R2,R13,R26,R28,R34 ,R36,R37,R39,R41,R 43,R92,R94	Resistor (R1005)	Panasonic	ERJ-2GE0R00X	12
20	R4	Resistor (R1005)	KOA	RK73B1ETTP103J	1
21	R74,R75,R76,R83,R8 4,R85	Resistor (R1005)	KOA	RK73B1ETTP202J	6
22	R3,R93	Resistor (R1005)	KOA	RK73B1ETTP220J	2
23	R23,R31,R33,R57,R6 2,R63	Resistor (R1005)	KOA	RK73H1ETTP1502F	6

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No.	Reference	Description	Manufacturer	PartNumber	Qty
24	R12,R46,R47,R48,R49,R68,R69,R70	Resistor (R1005)	KOA	RK73H1ETTP2402F	8
25	SW1	Switch	Panasonic	EVQ-5PN04K	1
26	U2	MCU	Renesas	R7FS124773A01CFM#AA1	1
27	U3	Zener diode	Semtech Corporation	RClamp0582N	1
28	U1	MCU	Renesas	R7FA6T1AD3CFP	1
29	U4,U5,U6,U7	Open drain buffer	TI	SN74LVC07APW	4
30	U8	LDO	Renesas	ISL9005AIRNZ-T	1
31	X1	Xtal 10MHz	Abracon	ABLS-10.000MHz-B4-T	1
32	LED1,LED2,LED3	LED	Würth Elektronik	150060VS75000	3

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No.	Reference	Description	Manufacturer	PartNumber	Qty
33	D1	Diode	NEXPERIA	PMEG2005EH, 115	1

**Unmounted**

34	CN1	6P	-	-	-
35	CN2	10Px2	-	-	-
36	CNC	CONN HEADR FEMALE 26POS .1 DL AU	-	-	-
37	CN9	6Px2 2.54mm pitch	-	-	-
38	CN6	4P 2.54mm pitch	-	-	-
39	CN8	6P 2.54mm pitch	-	-	-
40	CN3	3Px2	-	-	-
41	C50,C52,C53	Capacitor (C1005)	-	-	-
42	R25	Resistor (R1005)	-	-	-
43	TP1,TP2,TP3,TP4,TP5,	Test pin	-	-	-

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