

RX72T CPU Card BOM LIST

Product Name: RX72T CPU Card

Board Name : RX72T CPU Card (RTK0EMX990C00000BJ)

Schematic No : R12TU0057

Date : 2018/11/22

No.	Reference	Description	Manufacturer	PartNumber	Qty
1	CNA,CNB	CONN HEADR FMALE 20POS .1 DL AU"	Sullins Connector Solutions	SFH11-PBPC-D10-ST-BK	2
2	CN6	CONN HEADER XH TOP 4POS 2.5MM	JST	B4B-XH-A(LF)(SN)	1
3	CN3,CN5	CONN HEADER XH TOP 5POS 2.5MM	JST	B5B-XH-A(LF)(SN)	2
4	CN7	CONN PLUG 14POS 3A 300V STRT DIP	Omron Electronics Inc-EMC Div	XG4C-1431	1
5	JP1,JP2	CONN HEADER 2.54MM 2P	MAC8	WL-8-2P	2
6	C17,C19	LAMINATED CERAMIC CAPACITOR(C1608_50V_5%)	TDK MURATA	C1608CH2A220J080AA GRM1882C1H220JA01D	2
7	C22,C23,C24,C25,C26,C28,C29,C30,C31,C35,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C55	LAMINATED CERAMIC CAPACITOR(C1608_50V_5%)	TDK MURATA	C1608CH2A471J080AA GRM1882C1H471JA01D	27
8	C58,C59,C60,C62,C63,C64	LAMINATED CERAMIC CAPACITOR(C1608_50V_5%)	TDK MURATA	C1608CH1H102J080AA GRM1882C1H102JA01D	6
9	C66,C67,C68,C69	LAMINATED CERAMIC CAPACITOR(C1608_50V_5%)	TDK MURATA	C1608JB1H103K080AA GRM1885C1H103JA01D	4

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10	C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C27,C32,C33,C34,C53,C54	LAMINATED CERAMIC CAPACITOR(C1608_25V_10%)	TDK MURATA	C1608X8R1E104K080AA GRM188B11E104KA01D	16
11	C18	LAMINATED CERAMIC CAPACITOR(C1608_10V_10%)	Taiyo Yuden MURATA	LMK107BJ105KA-T GRM188B11A105KA61D	1
12	C20	LAMINATED CERAMIC CAPACITOR(C1608_10V_10%)	Taiyo Yuden MURATA	LMK107B7474KA-T GRM188B11A474KA61D	1
13	C1,C2	LAMINATED CERAMIC CAPACITOR(C3216_25V_10%)	Taiyo Yuden MURATA	TMK316ABJ106KD-T GRM31CB31E106KA75L	2
14	D1	DIODE ARRAY 70V 215MA SC70	Rohm	DAN217U	1
15	LED1,LED2	LED 570NM GREEN WTR CLR 0805 SMD	Rohm	SML-H12M8TT86	2
16	R1,R5,R13,R18,R23,R24,R25,R26,R27,R28,R34,R54	CHIP RESISTOR(R1608_1/10W_5%)	KOA	RK73Z1JTDD	12
17	R3,R4,R6,R7,R61,R66,R71	CHIP RESISTOR(R1608_1/10W_1%)	KOA	RK73H1JTDD22R0F	7
18	R9	CHIP RESISTOR(R1608_1/10W_1%)	KOA	RK73H1JTDD4700F	1

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No.	Reference	Description	Manufacturer	PartNumber	Qty
19	R12,R14,R15,R16,R17,R19,R20,R21,R22,R30,R35,R36,R37,R38,R39,R40,R41,R42,R43,R44,R45,R46,R47,R48,R49,R50,R51	CHIP RESISTOR(R1608_1/10W_1%)	KOA	RK73H1JTDD6800F	27
20	R29,R31,R32,R33,R52,R53,R59,R60,R62,R67,R68,R69	CHIP RESISTOR(R1608_1/10W_1%)	KOA	RK73H1JTDD1001F	12
21	R55,R56,R57,R63,R64,R65	CHIP RESISTOR(R1608_1/10W_1%)	KOA	RK73H1JTDD2001F	6
22	R10,R11	CHIP RESISTOR(R1608_1/10W_1%)	KOA	RK73H1JTDD2701F	2
23	R72,R73,R74,R75,R76,R77,R78,R79	CHIP RESISTOR(R1608_1/10W_1%)	KOA	RK73H1JTDD4701F	8
24	R2,R8,R58,R70,R80	CHIP RESISTOR(R1608_1/10W_1%)	KOA	RK73H1JTDD1002F	5
25	SW1	SWITCH 6X3.5 240GF SMD	Panasonic - ECG	EVQ-5PN04K	1
26	U1	MCU 32BIT RX72T LQFP144	Renesas	R5F572TKCDFB	1
27	Y1	CRYSTAL OSCILLATOR	Abracon	HC-49/US SMD 8.000MHZ 18PF	1

**Unmounted**

28	CNC,CND	36POS 2.54MM	N/A	N/A	-
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No.	Reference	Description	Manufacturer	PartNumber	Qty
29	CN1	34POS 2.54MM	N/A	N/A	-
30	CN2,CN4	4POS 2.54MM	N/A	N/A	-
31	C13,C14,C15,C16,C21,C36,C56,C57,C61,C65	LAMINATED CERAMIC CAPACITOR(C1608)	N/A	N/A	-
32	TP1,TP2,TP3,TP4,TP5,TP6,TPG1,TPG2,TPG3,TPG4	TEST PIN	N/A	N/A	-
33	PAD1,PAD2	TEST PAD	N/A	N/A	-
34	R81,R82	CHIP RESISTOR(R1608)	N/A	N/A	-