

# 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 FEMALE 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<br>MURATA                 | C1608CH2A220J080AA<br>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<br>MURATA                 | C1608CH2A471J080AA<br>GRM1882C1H471JA01D | 27  |
| 8   | C58,C59,C60,C62,C63,C64                                                                                     | LAMINATED CERAMIC CAPACITOR(C1608_50V_5%) | TDK<br>MURATA                 | C1608CH1H102J080AA<br>GRM1882C1H102JA01D | 6   |
| 9   | C66,C67,C68,C69                                                                                             | LAMINATED CERAMIC CAPACITOR(C1608_50V_5%) | TDK<br>MURATA                 | C1608JB1H103K080AA<br>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<br>MURATA         | C1608X8R1E104K080AA<br>GRM188B11E104KA01D | 16  |
| 11  | C18                                                      | LAMINATED CERAMIC CAPACITOR(C1608_10V_10%) | Taiyo Yuden<br>MURATA | LMK107BJ105KA-T<br>GRM188B11A105KA61D     | 1   |
| 12  | C20                                                      | LAMINATED CERAMIC CAPACITOR(C1608_10V_10%) | Taiyo Yuden<br>MURATA | LMK107B7474KA-T<br>GRM188B11A474KA61D     | 1   |
| 13  | C1,C2                                                    | LAMINATED CERAMIC CAPACITOR(C3216_25V_10%) | Taiyo Yuden<br>MURATA | TMK316ABJ106KD-T<br>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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|-----|-------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------|----------------------------|-----|
| 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             | RK73H1JTTD6800F            | 27  |
| 20  | R29,R31,R32,R33,R52,R53,R59,R60,R62,R67,R68,R69                                                             | CHIP RESISTOR(R1608_1/10W_1%) | KOA             | RK73H1JTTD1001F            | 12  |
| 21  | R55,R56,R57,R63,R64,R65                                                                                     | CHIP RESISTOR(R1608_1/10W_1%) | KOA             | RK73H1JTTD2001F            | 6   |
| 22  | R10,R11                                                                                                     | CHIP RESISTOR(R1608_1/10W_1%) | KOA             | RK73H1JTTD2701F            | 2   |
| 23  | R72,R73,R74,R75,R76,R77,R78,R79                                                                             | CHIP RESISTOR(R1608_1/10W_1%) | KOA             | RK73H1JTTD4701F            | 8   |
| 24  | R2,R8,R58,R70,R80                                                                                           | CHIP RESISTOR(R1608_1/10W_1%) | KOA             | RK73H1JTTD1002F            | 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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|-----|---------------------------------------------|------------------------------------|--------------|------------|-----|
| 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        | -   |