

Bill Of Materials For PK-6128c++

Design Title : ПК-6128ц++
Author : Improver
Revision : 27.01.2025
Design Created : 10 октября 2022 г.
Design Last Modified : 27 января 2025 г.
Total Parts In Design : 318

85 Resistors

| <u>Quantity:</u> | <u>References</u> | <u>Value</u> | <u>Order Code</u> |
|------------------|--|--------------|-------------------|
| 5 | R1, R82-R84, R101 | 2k | SMD 1206 |
| 15 | R2, R61, R209, R210, R212, R214, R220, R222, R225, R227-R230, R233, R234, R236, R237 | 10k | SMD 1206 |
| 4 | R3, R88, R216, R226 | 5k | SMD 1206 |
| 6 | R4, R7-R11 | 680 | SMD 1206 |
| 2 | R5, R6 | 680 (330) | SMD 1206 |
| 4 | R29, R32, R89, R224 | 1.6k | SMD 1206 |
| 3 | R30, R33, R35 | 820 | SMD 1206 |
| 4 | R31, R34, R36, R78 | 430 | SMD 1206 |
| 13 | R37, R39, R41, R200-R206, R231, R232, R235 | 75 | SMD 1206 |
| 3 | R38, R40, R42 | 240 | SMD 1206 |
| 2 | R79, R221 | 20k | SMD 1206 |
| 1 | R80 | 5.6k | SMD 1206 |
| 1 | R81 | 220k | SMD 1206 |
| 7 | R85-R87, R217-R219, R223 | 3.3k | SMD 1206 |
| 1 | R207 | 2.61k | SMD 1206 |
| 1 | R208 | 1.5k | SMD 1206 |
| 1 | R211 | 510 | SMD 1206 |
| 1 | R215 | 1k | SMD 1206 |
| 3 | RP1, RP3, RP4 | 8x10k | RESPACK-8 |
| 1 | RP2 | 8x2k | RESPACK-8 |
| 1 | RP5 | 8x4,7k | RESPACK-8 |
| 3 | RV1-RV3 | 5k | 3362P |
| 1 | RV4 | 100k | 3362S |

112 Capacitors

| <u>Quantity:</u> | <u>References</u> | <u>Value</u> | <u>Order Code</u> |
|------------------|------------------------------------|--------------|-------------------|
| 3 | C1, C3, C86 | 22мкф | SMD C |
| 10 | C5, C108-C113, C121, C122, C126 | 220мкф | SMD C |
| 82 | C6-C81, C87, C123-C125, C127, C128 | 0.068мкф | SMD 1206 |
| 1 | C84 | 0.15мкф | SMD 1206 |
| 1 | C85 | 4700пф | SMD 1206 |
| 5 | C100-C102, C104, C118 | 0.1мкф | SMD 1206 |
| 2 | C103, C114 | 47мкф | SMD C |
| 3 | C105-C107 | 10п | SMD 1206 |
| 1 | C115 | 47пф | SMD 1206 |
| 1 | C116 | 100пф | SMD 1206 |
| 1 | C117 | 150пф | SMD 1206 |
| 1 | C119 | 0.47мкф | SMD 1206 |
| 1 | C120 | 1мкф | SMD 1206 |

82 Integrated Circuits

| <u>Quantity:</u> | <u>References</u> | <u>Value</u> | <u>Order Code</u> |
|------------------|---------------------------------|--------------|-------------------|
| 7 | D1, D7, D53, D62, U10, U18, U25 | 74HC74 | SMD SO14 |
| 4 | D2, D13, D71, U19 | 74HC04 | SMD SO14 |
| 5 | D3, D58, D82, U30, U37 | 74HC32 | SMD SO14 |
| 3 | D4, D17, D18 | 74HC193 | SMD SO16 |
| 1 | D5 | 74HC245 | SMD SO20W |
| 1 | D6 | KP1821BM85 | DIP40 intel 8085 |
| 1 | D8 | 74LVC1G86 | SMD SOT23-5 |
| 1 | D9 | 74AC32 | SMD SO14 |
| 1 | D10 | K155PE3 | DIP16 |
| 4 | D11, D50, U32, U36 | 74HC00 | SMD SO14 |
| 1 | D12 | 74HC373 | SMD SO20W |
| 2 | D15, D52 | 74HC393 | SMD SO14 |
| 3 | D16, U9, U17 | 74HC08 | SMD SO14 |
| 3 | D19, D25, U35 | 74HC138 | SMD SO16 |
| 4 | D45-D48 | 74HC166 | SMD SO16 |
| 3 | D49, D60, D61 | 74HC175 | SMD SO16 |
| 3 | D51, U23, U38 | 74HC02 | SMD SO14 |
| 2 | D54, D55 | 74LS89 | DIP16 K155PY2 |
| 1 | D63 | 74HC153 | SMD SO16 |
| 2 | D65, D66 | 74HC244 | SMD SO20W |
| 1 | D68 | 74HC240 | SMD SO20W |
| 2 | D78, D80 | 8255A | DIP40 KP580BB55A |
| 1 | D79 | 8253A | DIP24 KP580BI53 |
| 1 | D81 | LM311 | DIP8 K554CA301A |
| | | | |
| 2 | U1, U2 | UM61512 | SP DIP32 |
| 2 | U3, U4 | 74HC245 | SMD SO20W |
| 6 | U5-U8, U13, U14 | 74HC157 | SMD SO16 |
| 1 | U11 | CXA2075M | |
| 2 | U12, U21 | 74HC240 | SMD SO20W |
| 1 | U15 | 74HC21 | SMD SO14 |
| 1 | U16 | 74HC27 | SMD SO14 |
| 1 | U20 | 29EE512 | PLCC32 |
| 1 | U22 | AY-3-8910 | DIP40 |
| 1 | U24 | 74HC139 | SMD SO16 |
| 1 | U26 | TDA7052A | DIP8 |
| 1 | U27 | 74AC00 | SMD SO14 |
| 1 | U28 | 74HC273 | SMD SO20W |
| 1 | U29 | 74HC174 | SMD SO16 |
| 1 | U31 | 74LVC1G86 | SMD SOT23-5 |
| 1 | U33 | 74LVC1G02 | SMD SOT23-5 |
| 1 | U34 | DS12885S | SMD SOP24 |

5 Transistors

| <u>Quantity:</u> | <u>References</u> | <u>Value</u> | <u>Order Code</u> |
|------------------|-------------------|--------------|-------------------|
| 4 | V2, V7-V9 | 2N7002 | SMD SOT23 |
| 1 | V6 | BC847B | SMD SOT23 |

4 Diodes

| <u>Quantity:</u> | <u>References</u> | <u>Value</u> | <u>Order Code</u> |
|------------------|-------------------|--------------|-------------------|
| 2 | V1, V3 | 1N4001 | SMD SOD-123F |
| 2 | V4, V5 | 1N5819 | SMD SOD-123F |

4 Quartz

| <u>Quantity:</u> | <u>References</u> | <u>Value</u> | <u>Order Code</u> |
|------------------|-------------------|--------------|-------------------|
| 1 | Q1 | 12MHz | |
| 1 | Q2 | 4.43MHz | |
| 1 | Q3 | 7.0936MHz | 3.5468MHz |
| 1 | Q4 | 32768kHz | |

22 Connectors

| <u>Quantity:</u> | <u>References</u> | <u>Value</u> | <u>Order Code</u> |
|------------------|---------------------|--------------|--------------------|
| 1 | JP2 | DIL 1x3 | JUMPER |
| 1 | X1 | DIN8PIN | |
| 2 | X2, X3 | IDS-10ms | (BH-10, RS232) |
| 1 | X5 | DIN5PIN | |
| 1 | X7 | CHП34-30P | |
| 1 | X8 | DIL 2x7 | |
| 4 | X9, X10, XM1A, XP1A | DIL 2x20m | |
| 2 | XM1, XP1 | DIL 2x20f | |
| 4 | XM2, XM3, XM3A, XP2 | DIL 2x5 | |
| 2 | XP3, XP3A | DIL 2x3 | |
| 1 | XS1 | CHП34-90P | DIN 41612, 3x10pin |
| 1 | XT1 | DIL 2x12 | |
| 1 | XT2 | DIN7PIN | |

4 Miscellaneous

| <u>Quantity:</u> | <u>References</u> | <u>Value</u> | <u>Order Code</u> |
|------------------|-------------------|--------------|-------------------|
| 1 | BAT1 | 3.2V | CR2032 |
| 1 | H1 | SPEAKER | 8Om 0,5..2Вт |
| 2 | L1, L2 | 100mkH | SMD 1812 |

27 января 2025 г. 15:15:09