

Bill Of Materials For PK-6128c++

Design Title : ПК-6128ц++
Author : Improver
Revision : 30.01.2024
Design Created : 10 октября 2022 г.
Design Last Modified : 6 февраля 2024 г.
Total Parts In Design : 306

79 Resistors

Quantity:	References	Value	Order Code
15	R1, R2, R61, R209, R210, R212, R214, R220, R222, R223, R225, R227-R230	10k	SMD 1206
4	R3, R88, R216, R226	5k	SMD 1206
6	R4, R7-R11	680	SMD 1206
2	R5, R6	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
12	R37, R39, R41, R200-R206, R231, R232	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
4	R82-R84, R101	2k	SMD 1206
6	R85-R87, R217-R219	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
4	RP1-RP4	8x10k	RESPACK-8
3	RV1-RV3	5k	3362P
1	RV4	100k	3362S

110 Capacitors

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

80 Integrated Circuits

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
4	D1, D7, D53, D62	74HC74	SMD SO14
3	D2, D13, D71	74HC04	SMD SO14
3	D3, D58, D82	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	74ALS32	SMD SO14
1	D10	K155PE3	DIP16
2	D11, D50	74HC00	SMD SO14
1	D12	74HC373	SMD SO20W
2	D15, D52	74HC393	SMD SO14
1	D16	74HC08	SMD SO14
2	D19, D25	74HC138	SMD SO16
4	D45-D48	74HC166	SMD SO16
3	D49, D60, D61	74HC175	SMD SO16
1	D51	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
2	U9, U17	74HC08	SMD SO14
1	U11	CXA2075M	
2	U12, U21	74HC240	SMD SO20W
1	U15	74HC21	SMD SO14
1	U16	74HC27	SMD SO14
2	U18, U25	74HC74	SMD SO14
1	U19	74HC04	SMD SO14
1	U20	29EE512	PLCC32
1	U22	AY-3-8910	DIP40
2	U23, U33	74HC02	SMD SO14
1	U24	74HC139	SMD SO16
1	U26	TDA7052A	DIP8
1	U27	74ALS00	SMD SO14
1	U28	74HC273	SMD SO20W
1	U29	74HC174	SMD SO16
2	U30, U37	74HC32	SMD SO14
1	U31	74LVC1G86	SMD SOT23-5
2	U32, U36	74HC00	SMD SO14
1	U34	DS12885S	SMD SOP24

1	U35	74HC138	SMD SO16
---	-----	---------	----------

4 Transistors

Quantity:	References	Value	Order Code
3	V2, V6, V8	2N7002	SMD SOT23
1	V6	BC847B	SMD SOT23

4 Diodes

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

4 Quartz

Quantity:	References	Value	Order Code
1	Q1	12MHz	
1	Q2	4.43MHz	
1	Q3	7.0936MHz	3.5468MHz
1	Q4	32768kHz	

22 Connectors

Quantity:	References	Value	Order Code
1	JP2	JUMPER	
1	X1	DIN8PIN	
2	X2, X3	CONN-D9-RS232	
1	X5	DIN5PIN	
1	X7	SNP34-30	CHП34-30
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	SNP34-90	CHП34-90
1	XT1	DIL 2x12	
1	XT2	DIN7PIN	

3 Miscellaneous

Quantity:	References	Value	Order Code
1	BAT1	3.2V	CR2032
1	H1	SPEAKER	8Ом 0,5..2Вт
1	L1	100mkH	SMD 1812