Bill Of Materials For PK-6128c++

Design Title   : ПК-6128ц++
Author   : Improver
Revision   : 7.06.2023
Design Created   : 10 октября 2022 г.
Design Last Modified   : 7 июня 2023 г.
Total Parts In Design   : 302

78 Resistors

Quantity:	References	Value	Order Code
15	R1, R2, R61, R209, R210, R212, R214, R220, R222, R223, R225, R227-R230	10k	
1	R216	100k	
6	R4, R7-R11	680	
2	R5, R6	330	
4	R29, R32, R89, R224	1.6k	
3	R30, R33, R35	820	
4	R31, R34, R36, R78	430	
10	R37, R39, R41, R200-R206	75	
3	R38, R40, R42	220	
1	R43	680	
2	R79, R221	20k	
1	R80	5.6k	
1	R81	220k	
4	R82-R84, R101	2k	
6	R85-R87, R217-R219	3.3k	
3	R3, R88, R226	5k	
1	R207	2.61k	
1	R208	1.5k	
1	R211	510	
1	R215	1k	
4	RP1-RP4	8x10k	RESPACK-8
3	RV1-RV3	1k	
1	RV4	100k	

110 Capacitors

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

Quantity	References	Value	Order Code
1	C119	0.47u	
1	C120	1u	

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80 Integrated Circuits

Quantity:	References	Value	Order Code
4	D1, D7, D53, D62	74HC74	
3	D2, D13, D71	74HC04	
4	D3, D58, D82	74HC32	
3	D4, D17, D18	74HC193	
1	D5	74HC245	
1	D6	KP1821BM85	intel 8085
1	D8	74LVC1G86	
1	D9	74ALS32	
1	D10	K155PE3	
2	D11, D50	74HC00	
1	D12	74HC373	
2	D15, D52	74HC393	
1	D16	74HC08	
2	D19, D25	74HC138	
4	D45-D48	74HC166	
3	D49, D60, D61	74HC175	
1	D51	74HC02	
2	D54, D55	74LS89	К155РУ2
1	D63	74HC153	
2	D65, D66	74HC244	
1	D68	74HC240	
2	D78, D80	8255A	КР580ВВ55А
1	D79	8253A	КР580ВИ53
1	D81	LM311	
2	U1, U2	UM61512	UM61512A
2	U3, U4	74HC245	
6	U5-U8, U13, U14	74HC157	
2	U9, U17	74HC08	
1	U11	CXA2075M	
2	U12, U21	74HC240	
1	U15	74HC21	
1	U16	74HC27	
2	U18, U25	74HC74	
1	U19	74HC04	
1	U20	29EE512	
1	U22	AY-3-8910	
2	U23, U33	74HC02	
1	U24	74HC139	
1	U26	TDA7052A	
1	U27	74ALS00	
2	U28, U29	74HC273	
2	U30, U37	74HC32	
1	U31	74LVC1G86	
2	U32, U36	74HC00	

| 1 | U34 | | DS12885S |
| 1 | U35 | | 74HC138 |

2 Transistors

Quantity:	References	Value	Order Code
1	Q3	BSS138	
1	Q4	BC847B	

4 Quartz

Quantity:	References	Value	Order Code
1	Q1	12MHz	
1	Q10	7.0936MHz	
1	X4	4.43MHz	
1	X6	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	СНП34-30
1	X8	DIL 2x7	
2	X9, X10	DIL 2x20	
4	XM1, XM1A, XP1, XP1A	DIL 2x20	
4	XM2, XM3, XM3A, XP2	DIL 2x5	
2	XP3, XP3A	DIL 2x3	
1	XS1	SNP34-90	СНП34-90
1	XT1	DIL 2x12	
1	XT2	DIN7PIN	

6 Miscellaneous

Quantity:	References	Value	Order Code
1	BAT1	3.2V	CR2032
1	H1	SPEAKER	
1	L1	100mkH	
2	V1, V3	1N4001	
1	V4	1N5819	