

Electro-Music Klee Digital Board [Bill of Materials]

Fixed Resistors

REF. DESIG.	QTY.	VALUE	COMMENTS	DIGIKEY PART NO.
R1-R22 R50-R51 R80	25	22K	5% TOL. 1/4W	22KQBK-ND
R23-26,R30				
R49				
R52-62,R81-84				
R89,R90,R94	23	100K	1% TOL. 1/4W	P100KCACT-ND
R27-28	2	220K	5% TOL. 1/4W	220KQBK-ND
R29,R79	2	15K	1% TOL. 1/4W	P15.0KCACT-ND
R31,R48 R85-R88	6	4.7K	5% TOL. 1/4W	4.7KQBK-ND
R32-R47	16	6.8K	5% TOL. 1/4W	6.8KQBK-ND
R63-R70	8	3K	5% TOL. 1/4W	3KQBK-ND
R71-R78	8	1.5K	5% TOL. 1/4W	1.5KQBK-ND
R91	1	270K	5% TOL. 1/4W	270KQBK-ND
R92,R93	2	1.5M	5% TOL. 1/4W	1.5MQBK-ND

Capacitors

REF. DESIG.	QTY.	VALUE	COMMENTS	DIGIKEY PART NO.
C1-C5				
C13-C16				
C23-C28	15	100 nF	Metal Poly	495-1103-ND
C6-C10,C18	6	1 nF	Metal Poly	478-2294-ND
C11,C12	2	47 nF	Metal Poly	478-3381-ND
C17	1	47 uF	Electrolytic, 25V	493-1340-ND
C19-C22	4	10 nF	Metal Poly	478-3403-ND

Semiconductors

REF. DESIG.	QTY.	VALUE	COMMENTS	DIGIKEY PART NO.
D1-D7	7	1N4148	DIODE, Si	1N4148FS-ND
Q1-Q6	6	2N3904	TRANSISTOR	2N3904FS-ND
U1, U8	2	LM358	DUAL OP-AMP	LM358NFS-ND
U2, U10, U11	3	CD40106	HEX SCHMITT TRIGGER	296-3503-5-ND
U3	1	CD4071	QUAD 2-INPUT OR GATE	296-2062-5-ND
U4, U12, U13	3	CD4093	QUAD 2-INPUT NAND SCHMITT TRIGGER	296-2068-5-ND
U5	1	CD4013	DUAL D FLIP FLOP	296-2033-5-ND
U6, U7	2	CD4034	8 BIT SHIFT REGISTER WITH PARALLEL LOAD	296-14237-ND

U9	1	CD4053	QUAD 1 OF 2 SW. 296-2059-5-ND
U14, U15	2	LM324	QUAD OP-AMP 296-1391-5-ND

Headers

REF. DESIG.	QTY.	VALUE	COMMENTS	DIGIKEY PART NO.
J1, J13	2		HEADER, 2POS	WM4200-ND
J12	1		HEADER, 3POS	WM4201-ND
J10, J11	2		HEADER, 6POS	WM4204-ND
J2-J9	8		HEADER, 8POS	WM4206-ND