

QUAD PREAMPLIFIER MODEL 270

BILL OF MATERIALS REV 1.0

SEMICONDUCTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
THAT1510	IC1, IC3, IC5, IC7	4	MICROPHONE PREAMP	887-1510P08-U
TL072	IC2, IC4, IC6, IC8	4		595-TL072IP
TL071	IC9	1		595-TL071CP

CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
15uF	C1, C2	2	ELECTROLYTIC 2MM LS	647-UKL1V150MDDANA
220nF	C3, C10, C17, C24	4	FILM 5MM LS	80-R82DC3220DQ60J
1uF	C4, C11, C18, C25	4	FILM 5MM LS	80-R82DC4100AA60J
47pF	C5, C6, C9, C12, C13, C16, C19, C20, C23, C26, C27, C30	12	CERAMIC 5MM LS	581-SA102A470J
470pF	C7, C8, C14, C15, C21, C22, C28, C29	8	CERAMIC 5MM LS	581-SA101A471JAR
0.1uF	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14, F15, F16, F17, F18, F19, F20	20	CERAMIC 5MM LS	581-SA105E104M

RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
10K	R1, R8, R11, R16, R23, R26, R31, R38, R41, R46, R53, R56	12	1% 1/4W	271-10K-RC
100K	R2, R6, R9, R17, R21, R24, R32, R36, R39, R47, R51, R54, R58	13	1% 1/4W	271-100K-RC
47K	R3, R7, R18, R22, R33, R37, R48, R52	8	1% 1/4W	271-47K-RC
1M	R4, R19, R34, R49	4	1% 1/4W	271-1.0M-RC
1K	R5, R13, R15, R20, R28, R30, R35, R43, R45, R50, R59, R60, R62	13	1% 1/4W	271-1K-RC
33K	R10, R25, R40, R55	4	1% 1/4W	271-33K-RC
2K	R12, R27, R42, R57	4	1% 1/4W	271-2K-RC
2K4	R14, R29, R44, R61	4	1% 1/4W	271-2.4K-RC
4K99		4	SMT 0805	71-CRCW0805-4.99K-E3
50K LINEAR	POT1, POT2, POT3, POT4	4	SLIDER POTENTIOMETER	FARNELL/NEWARK: RS4511150K

MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	J1, J2, J4, J5, J7, J8, J10, J11, J12, J14	10	TINY JAX	502-41
	J3, J6, J9, J13	4	1.4" STEREO JACK	502-N112BX
	JP1, JP2, JP3, JP4	4	3 PIN HEADER (MALE)	517-929400-01-03-RK
		4	JUMPER	571-530153-2
DPDT ON-ON	SW1, SW2, SW3, SW4	4	TOGGLE SWITCH	633-M202201
		1	POWER CONNECTOR	587-306-50-010