

MIXER / PREAMPLIFIER MODEL 207 Rev 3

BILL OF MATERIALS REV 1 .1

SEMICONDUCTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
TL072	IC1, IC3	2	DIP8	595-TL071CP
TL071	IC2	1	DIP8	595-TL072CP
THAT1510	IC4	1	DIP8	https://uk.farnell.com/that-corporation/that1510p08-u/ic-pre-amp-microphone-1510-dip8/dp/1354159#
PN3565	Q1, Q2, Q3, Q4	4		610-PN3565

CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1uF	C1, C5, C7, C9, C10, C11, C17	7	FILM 5MM LS	80-R82DC4100CK60J
0.18uF	C2, C3, C16	3	FILM 5MM LS	80-MMK5184K100J02L4
10pF	C4, C6, C8	3	CERAMIC 5MM LS	581-SA102A100J
10uF	C12, C15	2	ELECTROLYTIC 2MM LS	647-UKL1V100MDDANA
0.1uF	C13, C14, F1, F2, F3, F4, F5, F6, F7, F8	10	CERAMIC 5MM LS	581-SA105E104M
470pF	C18, C20	2	CERAMIC 5MM LS	581-SA102A471JAR
47pF	C19, C21, C22	3	CERAMIC 5MM LS	581-SA102A470J
100nf	No Designators - SMD Pads	6	SMD 0805	80-C0805C104K5R

RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
39K	R1, R14, R44, R52	4	1% 1/4W	271-39K-RC
120K	R2, R5, R6, R15	4	1% 1/4W	271-120K-RC
47K	R3, R9, R46, R50, R73	5	1% 1/4W	271-47K-RC
220K	R4, R7, R16, R21, R31, R35, R36, R41, R45, R53, R56, R65, R66	13	1% 1/4W	271-220K-RC
10K	R8, R17, R38, R47, R57, R67, R74, R77	8	1% 1/4W	271-10K-RC
1K	R10, R13, R24, R37, R51, R69, R70, R76	8	1% 1/4W	271-1K-RC
33K	R11, R12, R18, R19, R25, R26, R32, R33, R39, R40, R42, R43, R48, R49, R54, R55, R78	17	1% 1/4W	271-33K-RC
75K	R20, R58	2	1% 1/4W	271-75K-RC
22K	R22, R59	2	1% 1/4W	271-22K-RC
220R	R23, R60	2	1% 1/4W	271-220-RC
4K7	R27, R28, R29, R30, R61, R62, R63, R64	8	1% 1/4W	271-4.7K-RC
15K	R34	1	1% 1/4W	271-15K-RC
1M	R68, R79	2	5% 1/4W	291-1M-RC
100K	R71, R75	2	1% 1/4W	271-100K-RC
2K4	R72	1	1% 1/4W	271-2.4K-RC
2K	R80	1	1% 1/4W	271-2K-RC

50K	POT1, POT2, POT4, POT6, POT8, POT10	6	SLIDER	FARNELL PART#: 1191730
25K	POT3, POT5, POT7, POT9, POT11	5	9MM	http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-9mm-right-angle-pc-mount or https://www.taydaelectronics.com/50kohm-linear-taper-potentiometer-round-shaft-pcb-9mm.html

RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11	15	TINJAX	502-41
	LED1, LED2, LED3, LED4	4	RED 3MM LED	630-HLMP-K101
	B1, B2	2	BANANA JACK BLACK	530-108-0903-1
SPDT ON-ON	SW1, SW2, SW3, SW4, SW5, SW6, SW7	12	TOGGLE SWITCH	633-M201201
DPDT ON-ON	SW13	1	TOGGLE SWITCH	633-M202201
SPDT ON-OFF-ON	SW14	1	TOGGLE SWITCH	633-M201301
VTL5C3/2	V1, V2, V3, V4	4	DUAL VACTROL	https://modularaddict.com/parts/synth-diy-parts/max-vactrols
		1	POWER CONNECTOR	587-306-50-010
		1	1.4" STEREO JACK	502-N112BX
		8	Blue Switch Caps	108-00357-EV
		6	Yellow Switch Caps	108-00365-EV
		6	Blue Fader Caps	http://led-switch.com/Miniature%20Toggle%20Switch.htm