

MIXER / PREAMPLIFIER MODEL 207**BILL OF MATERIALS REV 2.0****SEMICONDUCTORS**

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
TL072	IC1, IC3	2		511-TL072CN
TL071	IC2	1		511-TL071CN
PN3565	Q1, Q2, Q3, Q4	4		610-PN3565

CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1uF	C1, C5, C7, C9, C10, C11, C12	7	FILM 5MM LS	80-R82DC4100CK60J
0.18uF	C2, C3, C13	3	FILM 5MM LS	667-ECQ-V1H184JL
10pF	C4, C6, C8	3	CERAMIC 5MM LS	581-SA102A100JAR
47pF	C14, C15	2	CERAMIC 5MM LS	581-SA102A470JAR
0.1uF	C16, C17, C18, C19, C20, C21, C24, C25	8	CERAMIC 5MM LS	581-SA105E104M
100uF x 35V	C22, C23	2	ELECTROLYTIC 2.5MM LS	647-UVR1V101MED1TD

RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
39K	R12, R24, R53, R61	4	1% 1/4W	271-39K-RC
120K	R13, R15, R16, R25	4	1% 1/4W	271-120K-RC
220K	R14, R17, R26, R31, R40, R43, R45, R50, R54, R62, R65, R74, R75	13	1% 1/4W	271-220K-RC
47K	R18, R20, R55, R59, R80	5	1% 1/4W	271-47K-RC
10K	R19, R27, R46, R56, R66, R76, R83, R85	8	1% 1/4W	271-10K-RC
33K	R21, R22, R28, R29, R34, R35, R41, R42, R47, R48, R51, R52, R57, R58, R63, R64, R86	17	1% 1/4W	271-33K-RC
1K	R23, R49, R60, R78, R88, R89	6	1% 1/4W	271-1K-RC
75K	R30, R67	2	1% 1/4W	271-75K-RC
22K	R32, R68	2	1% 1/4W	271-22K-RC
220R	R33, R69	2	1% 1/4W	271-220-RC
4K7	R36, R37, R38, R39, R70, R71, R72, R73	8	1% 1/4W	271-4.7K-RC
15K	R44	1	1% 1/4W	271-15K-RC
1M	R77, R79	2	1% 1/4W	271-1.0M-RC
100K	R81, R84	2	1% 1/4W	271-100K-RC
2K2	R82	1	1% 1/4W	271-2.2K-RC
2K	R87	1	1% 1/4W	271-2K-RC
25K	R1, R2, R3, R4, R5	5	9MM	http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-9mm-right-angle-pc-mount
50K	R6, R7, R8, R9, R10, R11	6	SLIDER	http://www.newark.com/alps/rs4511150k/potentiometer-slide-50k-potentiometer/dp/01M8725?Ntt=RS4511150K
100K	VR1	1	SINGLE TURN	858-25PR100KLF

MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	L1, L2	2		271-10-RC
	LED1, LED2, LED3, LED4	4	3MM RED LED	630-HLMP-K101
SPDT ON-ON	SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW8,	12	TOGGLE SWITCH	108-1MS1T1B1M1QE-EVX
DPDT ON-ON	SW13	1	TOGGLE SWITCH	108-1MD1T1B1M1QE-EVX
SPDT ON-OFF-ON	SW14	1	TOGGLE SWITCH	108-1MS3T1B1M1QE-EVX
VTL5C3/2	V1, V2, V3, V4	4	DUAL VACTROL	http://smallbear-electronics.mybigcommerce.com/photocoupler-dual-vactec-vtl5c3-2/
	XS1, XS2, XS3, XS4, XS5, XS6, XS7, XS8, XS9,	15	TINIJAX	502-41
	XS16, XS17	2	BANANA JACK BLACK	530-108-0903-1
100K (TM003)	TR1	1	AUDIO TRANSFORMER	http://www.toroidal-transformer.com/signal-transformers/344-1-5-microphone-transformer.html
		1	POWER CONNECTOR	587-306-50-010
		1	1.4" STEREO JACK	502-N112BX
		14	BLUE SWITCH CAP	108-00357-EV
		6	YELLOW SWITCH CAP	108-00365-EV