

**STORED PROGRAM SOUND SOURCE MODEL 208 REV2.1****BILL OF MATERIALS REV 1.2****MOTHERBOARD****SEMICONDUCTORS**

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1N457	D1	1		512-1N457

**CAPACITORS**

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1000pF	C1	1	CERAMIC	581-SA105A102JAR
1000uF 16V	C2, C3	2	ELECTROLYTIC AXIAL	594-2222-118-16102
15uF 25V	C4, C5, C6, C7	4	ELECTROLYTIC AXIAL	74-173D25V15

**RESISTORS**

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
200K	R1, R2, R58, R59, R60, R61, R62, R63, R64, R76, R77	11	1/4W 5%	291-200K-RC
390K	R3, R4, R5, R6, R7, R52, R53, R55, R56, R57	10	1/4W 5%	291-390K-RC
120K	R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R54, R80, R81, R84	48	1/4W 5%	291-120K-RC
300K	R65, R66	2	1/4W 5%	291-300K-RC
100K	R67, R68	2	1/4W 5%	291-100K-RC
15K	R69	1	1/4W 5%	291-15K-RC
33K	R70, R71	2	1/4W 5%	291-33K-RC
10K	R72, R73	2	1/4W 5%	291-10K-RC
240K	R74, R78	2	1/4W 5%	291-240K-RC
68K	R75, R79	2	1/4W 5%	291-68K-RC
180K	R82	1	1/4W 5%	291-180K-RC
39K	R83	1	1/4W 5%	291-39K-RC
220R	R85, R86, R87, R88, R89	5	1/4W 5%	291-220-RC
20K	TR1, TR2, TR6, TR7, TR8	5	SINGLE TURN TRIMMER VERTICAL	652-3362P-1-203LF
100K	TR3, TR4, TR5	3	SINGLE TURN TRIMMER VERTICAL	652-3362P-1-104LF
5K	TR9	1	SINGLE TURN TRIMMER VERTICAL	652-3362P-1-502LF
50K LIN	POT1, POT2, POT3, POT4, POT5, POT6, POT7, POT8, POT9, POT10, POT12, POT13, POT14, POT15, POT19, POT20, POT21, POT22, POT23, POT24, POT25, POT26	22	SLIDER	FARNELL PART#: 1191730
10K-100K LIN	POT11, POT17, POT18	3	9MM	<a href="http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-9mm-right-angle-pc-mount/">http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-9mm-right-angle-pc-mount/</a>
10K-100K LOG	POT27, POT28, POT30, POT31	4	16MM ANGLED	<a href="http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/">http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/</a>
10K-100K LIN	POT29	1	16MM ANGLED	<a href="http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/">http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/</a>

**MISC**

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	MOLEX1-MOLEX12	36	6 PIN STRAIGHT MALE	538-26-48-1061
		15	BANANA JACK BLACK	530-108-0903-1
		1	BANANA JACK RED	530-108-0902-1
		5	BANANA JACK VIOLET	530-108-0912-1
		2	BANANA JACK BLUE	530-108-0910-1
		4	BANANA JACK WHITE	530-108-0901-1
		3	BANANA JACK YELLOW	530-108-0907-1
		3	BANANA JACK ORANGE	530-108-0906-1
	EDAC1, EDAC2	2	EDAC 56 PIN BLUE	EBAY ITEM #250884235147
		1	POWER CONNECTOR	587-306-50-010
	J17	1	1/4" STEREO JACK	502-N112BX
	J36, J37	2	TINIJAX	502-41
	PREAMP INPUT	1	TINIJAX NORMALIZED	502-42A
	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9	9	3MM RED LED	604-WP710A10ID
DPDT ON-ON-ON	SW1, SW8, SW9, SW10, SW22, SW23	6	TOGGLE SWITCH	DIGIKEY PART #CKN1493-ND
SPDT ON-OFF-ON	SW2, SW12, SW14, SW17, SW18, SW19, SW20, SW21	8	TOGGLE SWITCH	DIGIKEY PART #CKN1005-ND
SPDT ON-ON	SW3, SW4, SW5, SW6, SW7, SW13, SW15, SW16	8	TOGGLE SWITCH	DIGIKEY PART #CKN1004-ND
SPDT ON-OFF-(ON)	SW11	1	TOGGLE SWITCH	DIGIKEY PART #CKN1008-ND
		8	17MM M3 F-F STANDOFF	761-M1264-3005-AL
		5	HEX NUT FOR 16MM POT	<a href="http://smallbear-electronics.mybigcommerce.com/nut-for-alpha-16mm-potentiometers/">http://smallbear-electronics.mybigcommerce.com/nut-for-alpha-16mm-potentiometers/</a>
		8	M3 PAN HEAD SCREW	
		8	M3 FLAT HEAD SCREW	
		2	M3 PAN HEAD SCREW (1" LONG)	
		2	M3 NUT	
		1	SMALL BLUE UNSKIRTED KNOB	ROGAN
		2	SMALL RED UNSKIRTED KNOB	ROGAN
		4	SMALL BLUE SKIRTED KNOB	ROGAN
		1	MEDIUM RED SKIRTED KNOB	ROGAN
1BC2E		1	SPRING REVERB TANK	BELTON
			PANEL & SPRING REVERB METAL FRAME	<a href="http://siddarthianinnovations.bigcartel.com/product/208-front-panel">http://siddarthianinnovations.bigcartel.com/product/208-front-panel</a>