

DUAL EQUALIZER / REVERB MODEL 275**BILL OF MATERIALS REV 1.0****PCB1****SEMICONDUCTORS**

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
TL074	IC1, IC5, IC12	3		511-TL074CN
TL072	IC6, IC13	2		595-TL072IP

CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1uF	C14, C46	2	FILM 5MM LS	80-R82DC4100AA60J
10nF	C15, C16, C47, C48	4	FILM 5MM LS	80-R82EC2100AA50K
1nF	C17, C49	2	FILM 5MM LS	871-B32529C102J
0.1uF	F1, F2, F3, F4, F15, F16, F25, F26, F27, F28	10	CERAMIC 5MM LS	581-SA105E104M

RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
200K	R1, R113	2	1/4W 1%	271-200K-RC
30K	R2, R5, R12, R15, R35, R39, R114, R117, R124, R127, R147, R151	12	1/4W 1%	271-30K-RC
100K	R4, R11, R14, R17, R34, R37, R116, R123, R126, R129, R146, R149	12	1/4W 1%	271-100K-RC
150K	R30, R32, R54, R98, R142, R144	6	1/4W 1%	271-150K-RC
220R	R33, R40, R53, R97, R145, R152	6	1/4W 1%	271-220-RC
33K	R36, R51, R52, R95, R96, R148	6	1/4W 1%	271-33K-RC
91K	R38, R150	2	1/4W 1%	271-91K-RC
56K	R48, R49, R50, R92, R93, R94	6	1/4W 1%	271-56K-RC
68K	R55, R56, R99, R100	4	1/4W 1%	271-68K-RC
15K	R57, R101	2	1/4W 1%	271-15K-RC
22K	R58, R102	2	1/4W 1%	271-22K-RC
10-100K LINEAR	POT1, POT6	2	16MM ANGLED	http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/
250K LINEAR	POT2, POT3, POT4, POT5	4	16MM ANGLED	http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/

MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
DPDT ON-ON	SW1, SW7	2	TOGGLE SWITCH	108-1MD1T1B1M1QE-EVX
SPDT ON-ON	SW2, SW5	2	TOGGLE SWITCH	108-1MS1T1B1M1QE-EVX
	J1, J2, J3, J4, J7, J10, J11, J14, J16, J17	10	TINIJAX	502-41
	PLD1	1	PLD 20 PIN (FEMALE)	517-929975-01-10-RK
		2	BANANA JACK BLACK	530-108-0903-1
		2	YELLOW SWITCH CAP	108-00365-EV
		2	BLUE SWITCH CAP	108-00357-EV
		6	SMALL DAVIES KNOB	5164-1610AA

PCB2**SEMICONDUCTORS**

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
TL072	IC2, IC20	2		595-TL072IP
LM380	IC3, IC4	2		926-LM380N/NOPB
TL074	IC7, IC10, IC14, IC16	4		511-TL074CN
SSM2164	IC8, IC11, IC15	3	QUAD VCA	http://smallbear-electronics.mybigcommerce.com/ic-v2164d
7812	IC17	1	12V VOLTAGE REGULATOR	511-L7812CV
7805	IC18	1	5V VOLTAGE REGULATOR	511-L7805CV
TL071	IC19	1		595-TL071CP

CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
560pF	C1, C4, C8, C9, C12, C13, C57, C60, C64, C65, C68, C69	12	CERAMIC 5MM LS	581-SA101A561GAA
100pF	C2, C5, C6, C7, C10, C11, C38, C40, C53, C55, C58, C61, C62, C63, C66, C67	16	CERAMIC 5MM LS	581-SA102A101J
470pF	C3, C36, C51, C59	4	CERAMIC 5MM LS	581-SA101A471JAR
390uF	C35, C50	2	TANTALUM CASE D	74-TR3D337M010C0100
4.7uF	C37, C41, C52, C56	4	TANTALUM CASE C	80-T491C475K035
56uF	C39, C54	2	TANTALUM CASE D	80-T491D476K025
10uF	C42, C43, C70, C71	4	TANTALUM CASE D	80-T491D106K025
0.1uF	F7, F8, F9, F10, F11, F12, F13, F14, F19, F20, F21, F22, F23, F24, F31, F32, F33, F34, F35, F36, F37, F38, F39, F40	24	CERAMIC 5MM LS	

RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
499R	R3, R6, R29, R31, R44, R45, R115, R118, R141, R143, R156, R157	12	1/4W 1%	271-499-RC
30K	R7, R8, R9, R18, R25, R28, R41, R42, R43, R119, R120, R121, R130, R137, R140, R153, R154, R155	18	1/4W 1%	271-30K-RC
15K	R10, R13, R19, R122, R125, R131	6	1/4W 1%	271-15K-RC
7K5	R46, R47, R158	3	1/4W 1%	271-7.5K-RC
100K	R80, R90, R91, R103	4	1/4W 1%	271-100K-RC
1K5	R81, R104	2	1/4W 1%	271-1.5K-RC
470R	R82, R105	2	1/4W 1%	271-470-RC
33K	R83, R106	2	1/4W 1%	271-33K-RC
10K	R84, R89, R107, R112	4	1/4W 1%	271-10K-RC
6K8	R85, R86, R108, R109	4	1/4W 1%	271-6.8K-RC
150K	R87, R110	2	1/4W 1%	271-150K-RC
220K	R88, R111	2	1/4W 1%	271-220K-RC

MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	J6, J13	1	POWER CONNECTOR	587-306-50-010
	J8, J15	2	RCA RED	http://www.newark.com/lumberg/btor-1-red/connector-rca-jack-2-way/dp/53M6863/
		2	RCA WHITE	http://www.newark.com/lumberg/btor-1-white/socket-rca-pcb-white/dp/53M6864/
	J9	1	2.54MM 6 PIN MALE	571-6404566
		1	6 PIN DUST COVER	571-3-640441-6
	MON1, MON2	2	2.54MM 2 PIN MALE	571-6404562
		1	PLD 20 PIN (MALE)	517-929836-09-10-RK

PCB3 (BREAKOUT)**MISC**

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	J2, J4	2	RCA RED	http://www.newark.com/lumberg/btor-1-red/connector-rca-jack-2-way/dp/53M6863/
	J1, J3	2	RCA WHITE	http://www.newark.com/lumberg/btor-1-white/socket-rca-pcb-white/dp/53M6864/
	J5	1	2.54MM 6 PIN MALE	571-6404566
		1	6 PIN DUST COVER	571-3-640441-6