MFOS Soundlab Full Kit

Item	Description	Qty	Designator	Package
	KITS			
1	MFOS SoundLab Enclosure Kit V1.0	2		-
2	MFOS SoundLab Hardware Kit V0.0	1		-
3	MFOS SoundLab Component Kit V1.0	1		-

MFOS SoundLab Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	100pF 5% Ceramic	2	C6, C7	RAD-0.2N
2	330pF 5% Ceramic	2	C17, C21	RAD-0.2N
3	560pF 10% Ceramic	2	C4, C5	RAD-0.2N
4	1nF 63V Polyester	4	C1, C2, C8, C9	RAD-0.2
5	4n7 63V Polyester	1	C14	RAD-0.2
6	10nF 63V Polyester	1	C12	RAD-0.2
7	1000nF 63V Polyester	1	C22*	RAD-0.2X
8	100nF 50V Ceramic NPO Axial	5	C10, C11, C15, C19, C20	AXIAL-0.3
9	2.2uF 35V Tantalum	1	C3	RB-D5.0-P5.0
10	2.2uF 50V Polyester/Mylar	1	C13*	RAD-0.2N
11	100uF 35V Electrolytic	2	C16, C18	RB-D8.0-P3.5
	CONNECTOR			
12	14-pin IC Socket 0.3inch	4	IC1, IC5, IC6, IC7	DIP-14
13	8-pin IC Socket 0.3inch	3	IC2, Q1, Q2	DIP-8
14	1x1 Pin 9mm Header	48		2.54MM
			NB: Board to Panel connections	
15	16-pin IC Socket 0.3inch	2	IC3, IC4	DIP-16
	DIODE			
16	9.1V 10% 1W	1	D8	DIODE-0.4
17	1N4148	8	D1, D2, D3*, D4*, D5, D7, D9*, D10*	DIODE-0.3
	LINEAR			
18	LF444 - Quad Bi-FET Opamp	3	IC5, IC6, IC7	DIP-14
19	LF442 - Dual Bi-FET Opamp	1	IC2	DIP-8
20	LM13700 - Dual OTA	2	IC3, IC4	DIP-16
	LOGIC			
21	CD40106 - Hex Schmitt Trigger	1	IC1	DIP-14

MFOS SoundLab Component Kit

Item	Description	Qty	Designator	Package
	RESISTOR			
22	TEMPCO - PT146 2K 3500ppm	2	R60, R61	AXIAL-0.5
23	475R 1% 0.5W Metal Film	2		AXIAL-0.4
			NB: 1V/Octave modification	
24	510R 1% 0.5W Metal Film	2	R6*, R94*	AXIAL-0.4
25	1K0 1% 0.5W Metal Film	7	R22, R23*, R34, R35, R45, R88*, R98	AXIAL-0.4
26	4K7 1% 0.5W Metal Film	2	R41*, R81	AXIAL-0.4
27	10K 1% 0.5W Metal Film	7	*R64, R26, R32, R65, R102, R103, R199	AXIAL-0.4
28	20K 1% 0.5W Metal Film	8	R40, R42, R43, R46, R47, R70, R72, R80	AXIAL-0.4
29	33K 1% 0.5W Metal Film	1	R21	AXIAL-0.4
30	39K 1% 0.5W Metal Film	2	R50*, R52*	AXIAL-0.4
31	47K 1% 0.5W Metal Film	5	R49, R75, R76, R101, R104*	AXIAL-0.4
32	100K 1% 0.5W Metal Film	17	R1, R4, R12, R14, R24, R36, R54, R57, R62, R63, R68, R69, R73, R74, R79, R86,	AXIAL-0.4
			R93	
33	150K 1% 0.5W Metal Film	4	R17, R30, R33, R39	AXIAL-0.4
34	200K 1% 0.5W Metal Film	4	R28, R31, R84*, R89	AXIAL-0.4
35	220K 1% 0.5W Metal Film	4	R77, R78, R82, R83	AXIAL-0.4
36	470K 1% 0.5W Metal Film	4	R16, R18, R20, R71	AXIAL-0.4
37	620K 1% 0.5W Metal Film	1	R25	AXIAL-0.4
38	1M0 1% 0.5W Metal Film	13	R2, R8, R9, R56, R59, R66, R67, R87, R91, R95, R96, R97, R99	AXIAL-0.4
39	2M0 1% 0.5W Metal Film	2	R5, R13	AXIAL-0.4
40	3M0 1% 0.5W Metal Film	1	R7	AXIAL-0.4
41	4M7 1% 0.5W Metal Film	2	R3, R100	AXIAL-0.4
	TRANSISTOR			
42	MPF102 JFET	2	Q5, Q6	TO-92
43	LS312 - Dual Matched NPN Transistors	2	Q1, Q2	DIP-8
			NB: Ignore Q3 and Q4	
44	2N3904 NPN Transistor	2	Q7, Q8	TO-92
	TRIMPOT			
45	100R 25TV Cermet	2		T93YA
			NB: 1V/Octave modification	

MFOS SoundLab Component Kit

Item	Description	Qty	Designator	Package

MFOS SoundLab Enclosure Kit

Item	Description	Qty	Designator	Package
	ENCLOSURE			
1	CONSOLE - PT-10	1		-
	HARDWARE			
2	KNOB - 20mm Black, `D' shaft, White Cap	15	R10, R11, R15, R19, R27, R29, R37, R38, R44, R48, R55, R58, R85, R90, R92	-
3	M3 x 12mm Bolt CS	2	B1, B2	-
4	M3 Nut	4	B1, B2, PANEL, PCB	-
5	CABLE - Tie, Black, 100mm	50		-
6	M3 x 8mm Nylon Spacer	1	PCB	-
7	WIRE - Tinned Copper Wire, 0.711mm [@ 1cm]	15		-
8	M3 x 20mm Bolt CS	1	PCB	-
9	BATTERY - Dual PP3 Drawer	1		-
10	Equipment Wire 7/0.2 Black [@ 1cm]	200		-
11	Equipment Wire 7/0.2 Brown [@ 1cm]	200		-
12	Equipment Wire 7/0.2 Red [@ 1cm]	200		-
13	Equipment Wire 7/0.2 Orange [@ 1cm]	200		-
14	Equipment Wire 7/0.2 Yellow [@ 1cm]	200		-
15	Equipment Wire 7/0.2 Green [@ 1cm]	200		-
16	Equipment Wire 7/0.2 Blue [@ 1cm]	200		-
17	Equipment Wire 7/0.2 White [@ 1cm]	2200		-
	PANEL			
18	MFOS SoundLab Console Rear Panel V0.0	1		-
19	MFOS SoundLab Console Front Panel V0.0	1		-

MFOS SoundLab Hardware Kit

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	6.35mm Mono Socket - Plastic, Panel	3	GATEINPUT, OSC1, OSC2	-
2	6.35mm Stereo Socket - Plastic, Panel	1	J1	-
	HARDWARE			
3	KNOB - Metal Insert - D - 27mm	15	R10, R11, R15, R19, R27, R29, R37, R38, R44, R48, R55, R58, R85, R90, R92	D-SHAFT - GRUB
4	BATTERY - PP3 Clip	1		-
	POTENTIOMETER			
5	100KB LIN - 18T Spline	12	R15, R19, R27, R29, R37, R38, R44, R48, R55, R58, R85, R92	ALPHA 16MM
6	100KA LOG - 18T Spline	1	R90	ALPHA 16MM
7	1MA LOG - 1/4inch D-shaft	2	R10, R11	ALPHA 16MM
	SWITCH			
8	SPDT Panel [ON-OFF-ON]	1	S16	-
9	DPDT Panel [ON-ON]	1	S19	-
10	SPDT Panel [ON-ON]	16	S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S17, S18	-
11	SPDT PB Panel [ON-MOM]	1	S1	-
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