

Voice of Saturn Sequencer BOM

Updated: 4/18/2014

Resistors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
3	10Ω	R21, R35, R36	291-10-RC	<input type="checkbox"/>
1	240Ω	R23	291-240-RC	<input type="checkbox"/>
14	1kΩ	R3, R7, R15, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34	291-1K-RC	<input type="checkbox"/>
1	1.5kΩ	R22	291-1.5K-RC	<input type="checkbox"/>
5	10kΩ	R5, R14, R16, R19, R37	291-10K-RC	<input type="checkbox"/>

TOTAL: 24

Capacitors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
1	100nF Ceramic	C4	80-C322C104K5R	<input type="checkbox"/>
3	1μF Electrolytic	C2, C5, C6	667-EEU-HD1H1R0	<input type="checkbox"/>
1	10μF Electrolytic	C1	871-B41827A9106M000	<input type="checkbox"/>
1	680μF Electrolytic	C3	140-RGA681M1CBK1020G	<input type="checkbox"/>

TOTAL: 6

Diodes:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
22	1N914 Diode	D6, D24, D26, D27, D30, D31, D33, D34, D36, D37, D39, D40, D42, D43, D45, D46, D48, D49, D51, D52, D54, D55	512-1N914	<input type="checkbox"/>
2	1N5818-B Diode	D22, D23	583-1N5818-B	<input type="checkbox"/>
11	Red LED	D25, D28, D29, D32, D35, D38, D41, D44, D47, D50, D53	604-WP7113ID	<input type="checkbox"/>

TOTAL: 35

Transistors/Voltage Regulators:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	2N3904 Transistor	Q1	512-2N3904BU	<input type="checkbox"/>
1	LM317 Voltage Regulator	U5	595-LM317KCT	<input type="checkbox"/>

TOTAL: 2

Integrated Circuits:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	8-Pin Socket	U1	649-DILB8P-223TLF	<input type="checkbox"/>
2	14-Pin Socket	U3, U6	649-DILB14P-223TLF	<input type="checkbox"/>
1	16-Pin Socket	U2	649-DILB16P-223TLF	<input type="checkbox"/>
1	555 Timer	U1	595-TLC555CP	<input type="checkbox"/>
1	CD4011BE	U3	595-CD4011BE	<input type="checkbox"/>
1	TLV274	U6	595-TLV274IN	<input type="checkbox"/>
1	CD4017BE	U2	595-CD4017BEE4	<input type="checkbox"/>

TOTAL:

Potentiometers:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
11	100kΩ Linear	RV1, RV2, RV3, RV4, RV5, RV6, RV7, RV8, RV9, RV10, J14	RV24AF-40-15R1-B100K-3	<input type="checkbox"/>

TOTAL: 11

Voice of Saturn Sequencer BOM

Updated: 4/18/2014

Switches:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
12	SPDT	SW0, SW1, SW2, SW3, SW4, SW5, SW6, SW8, SW9, SW10, SW11, SW12	Various Suppliers	<input type="checkbox"/>
1	DPDT	SW7	108-1MD1T1B1M2QE-EVX	<input type="checkbox"/>

TOTAL: 13

Jacks/Connectors:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
15	1/8" Mono	J42, J43, J44, J45, J46, J47, J48, J49, J50, J51, J52, J53, J54, J55, J56	16PJ138	<input type="checkbox"/>
1	DC Jack	J7	Various Suppliers	<input type="checkbox"/>
1	9V Battery Clip	J41	12BC312-GR	<input type="checkbox"/>

TOTAL: 17

Other:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	5ft. Wire	Wire	Various Suppliers	<input type="checkbox"/>
1	PCB	PCB	Synthrotek	<input type="checkbox"/>

TOTAL: 2