

Resistors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
4	470Ω	R6, R7, R8, R16	291-470-RC	<input type="checkbox"/>
2	1kΩ	R21, R22	291-1K-RC	<input type="checkbox"/>
2	2.2kΩ	R11, R17	291-2.2K-RC	<input type="checkbox"/>
2	5.1kΩ	R2, R5	291-5.1K-RC	<input type="checkbox"/>
1	7.5kΩ	R3	291-7.5k-RC	<input type="checkbox"/>
6	27kΩ	R1, R4, R13, R15, R20, R23	291-27K-RC	<input type="checkbox"/>
2	39kΩ	R26, R29	291-39K-RC	<input type="checkbox"/>
8	100kΩ	R9, R10, R12, R14, R24, R25 R27, R28	291-100K-RC	<input type="checkbox"/>
2	1MΩ	R18, R19	291-1M-RC	<input type="checkbox"/>

TOTAL: 29

Diodes:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
4	1N4148	D1, D2, D3, D4	512-1N4148	<input type="checkbox"/>

TOTAL: 4

Capacitors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
4	100pF Ceramic	C5, C6, C7, C8	140-50S5-101J-RC	<input type="checkbox"/>
4	560pF Ceramic	C1, C2, C3, C4	810-FK28C0G2A561J	<input type="checkbox"/>
2	100nF Ceramic	C10, C11	140-50V5-104Z-RC	<input type="checkbox"/>
2	10μF Electrolytic	C9, C12	871-B41827A9106M000	<input type="checkbox"/>

TOTAL: 12

Integrated Circuits:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	16 Pin DIP Socket	U1	649-DILB16P-223TLF	<input type="checkbox"/>
1	14 Pin DIP Socket	U2	649-DILB14P-223TLF	<input type="checkbox"/>
1	8 Pin DIP Socket	U3	649-DILB18P-223TLF	<input type="checkbox"/>
1	V2164D	U1	Various Suppliers	<input type="checkbox"/>
1	TL074	U2	595-TL074CN	<input type="checkbox"/>
1	TL072	U3	595-TL072IPE4	<input type="checkbox"/>

TOTAL: 6

Potentiometers:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
4	10kΩ Linear Trim Pot	RT200, RT201, RT202, RT203	Various Suppliers	<input type="checkbox"/>
4	B100k Vertical Mount Pots	RV1, RV2, RV3, RV4	Various Suppliers	<input type="checkbox"/>

TOTAL: 8

Switches:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
2	DPDT-ON-ON	SW1, SW2	Various Suppliers	<input type="checkbox"/>

TOTAL: 2

MST Dual VCA BOM

Updated: 1/26/2016

Jacks/Connectors:

QTY	Part	Ref.	Mouser Part #	
4	5 Pin Female Header	J5, J9, J10, J12	Various Suppliers	<input type="checkbox"/>
4	5 Pin Male Header	J1, J2, J3, J4	Various Suppliers	<input type="checkbox"/>
1	16 Pin Shrouded Header	J200	517-30316-6002	<input type="checkbox"/>
6	3.5mm Vertical Mount Mono Jack	J6, J7, J8, J11, J13, J14	PJ301BM (from Synthrotek, Erthenvar, Thonk, etc.)	<input type="checkbox"/>

TOTAL: 15

Other:

QTY	Part	Ref.	Mouser Part #	
2	PCB	PCB	Synthrotek	<input type="checkbox"/>
1	Panel	Panel	Synthrotek	<input type="checkbox"/>
2	3mm Screws		Various Suppliers	<input type="checkbox"/>
2	2.5mm Screws		Various Suppliers	<input type="checkbox"/>
2	11mm Standoff		Various Suppliers	<input type="checkbox"/>
4	Standoff Screw		Various Suppliers	<input type="checkbox"/>
4	Black Knobs		Various Suppliers	<input type="checkbox"/>
6	3.5mm Jack Nuts		Various Suppliers	<input type="checkbox"/>
4	Potentiometer Nuts		Various Suppliers	<input type="checkbox"/>
1	16-Pin Power Cable		Various Suppliers	<input type="checkbox"/>

TOTAL: 28