

# MST '07 Buffered Multiple

Updated: 3/30/2015

## Resistors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
17	1kΩ	R3, R4, R6, R7, R8, R9, R10, R11, R12, R14, R17, R18, R20, R21, R22, R23, R24	291-1K-RC	<input type="checkbox"/>
7	100kΩ	R1, R2, R5, R13, R15, R16, R19	291-100K-RC	<input type="checkbox"/>

TOTAL: 24

## 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"/>
2	100nF Ceramic	C1, C3	140-50V5-104Z-RC	<input type="checkbox"/>
2	10μF Electrolytic	C2, C4	871-B41827A9106M000	<input type="checkbox"/>

TOTAL: 4

## Integrated Circuits:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
5	14-Pin Socket	U1, U2, U3, U4, U5	649-DILB14P-223TLF	<input type="checkbox"/>
5	TL074 OpAmp	U1, U2, U3, U4, U5	595-TL074CN	<input type="checkbox"/>

TOTAL: 10

## Jacks/Connectors:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
18	3.5mm Vertical Mount Mono Jack	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14, J15, J16, J17, J18	PJ301BM (from Synthrotek, Erthenvar, Thonk, etc.)	<input type="checkbox"/>
18	3.5mm Jack Nut	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14, J15, J16, J17, J18	Various Suppliers	<input type="checkbox"/>
1	5-Pin Female Header	See Assembly Instructions	Various Suppliers	<input type="checkbox"/>
1	5-Pin Male Header	See Assembly Instructions	Various Suppliers	<input type="checkbox"/>
3	6-Pin Female Header	See Assembly Instructions	Various Suppliers	<input type="checkbox"/>
3	6-Pin Male Header	See Assembly Instructions	Various Suppliers	<input type="checkbox"/>
1	16-Pin Keyed Shrouded Header	PL1	517-30316-6002	<input type="checkbox"/>

TOTAL: 45

## Other:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	16-Pin Power Cable		Various Suppliers	<input type="checkbox"/>
2	2.5mm Screw		Various Suppliers	<input type="checkbox"/>
2	3mm Screw		Various Suppliers	<input type="checkbox"/>
1	Panel		Synthrotek	<input type="checkbox"/>
2	PCB		Synthrotek	<input type="checkbox"/>

TOTAL: 8