

# Clock Capture Module BOM

Updated: 12/11/2013

## Resistors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
4	470Ω	R5, R6, R9, R11	291-470-RC	<input type="checkbox"/>
4	1kΩ	R2, R3, R4, R10	291-1K-RC	<input type="checkbox"/>
1	6.2kΩ	R13	291-6.2K-RC	<input type="checkbox"/>
1	39kΩ	R8	291-39K-RC	<input type="checkbox"/>
1	150kΩ	R12	291-150K-RC	<input type="checkbox"/>

TOTAL: 11

## Capacitors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
3	100nF Ceramic	C1, C4, C5	80-C322C104K5R	<input type="checkbox"/>
1	4.7μF Electrolytic	C6	667-EEU-HD1H4R7	<input type="checkbox"/>
2	47μF Electrolytic	C2, C3	667-ECE-A1CKS470	<input type="checkbox"/>

TOTAL: 6

## Diodes:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
2	Red LED	D3, D4	604-WP7113ID	<input type="checkbox"/>
3	1N4148	D2, D5, D6	512-1N4148	<input type="checkbox"/>

TOTAL: 5

## Transistors/Voltage Regulators:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	2N2222	Q1	863-P2N2222AG	<input type="checkbox"/>

TOTAL: 1

## Integrated Circuits:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
2	8-Pin Socket	U1, U2	649-DILB8P-223TLF	<input type="checkbox"/>
1	LM393 OpAmp	U1	512-LM393AN	<input type="checkbox"/>
1	TLV2370IP	U2	595-TLV2370IPE4	<input type="checkbox"/>

TOTAL: 4

## Potentiometers:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
1	20kΩ Linear	R7	858-P160KN-0QC15B20K	<input type="checkbox"/>

TOTAL: 1

## Switches:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	SPST	SW1	Various Suppliers	<input type="checkbox"/>

TOTAL: 1

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## Jacks/Connectors:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
2	1/8" Mono Jack	J2 (pass thru), J3	16PJ138	<input type="checkbox"/>
1	1/8" Stereo Jack	J1	161-3402-E	<input type="checkbox"/>
1	DC Jack	J4	Various Suppliers	<input type="checkbox"/>
1	9V Battery Jack	J5	12BC312-GR	<input type="checkbox"/>

TOTAL: 5

## 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