

# Bill Of Materials for SimpleCPLD

**Design Title** SimpleCPLD  
**Author** Bil Herd  
**Document Number**  
**Revision** 4.0/3.0  
**Design Created** Friday, December 25, 2015  
**Design Last Modified** Wednesday, April 13, 2016  
**Total Parts In Design** 20

## 1 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>DIGIKEY</u>	<u>Description</u>	<u>PCB Package</u>
1	U1	EPM7064SLC44	544-2012-ND	IC CPLD 64MC 10NS 44PLCC	LCC-SKT44-6003

Sub-totals:

## 1 Oscillator

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>DIGIKEY</u>	<u>Description</u>	<u>PCB Package</u>
1	TCO1	TCO	1253-1043-1-ND	KC5032A25.0000CM0E00 1.8V, 2.5V, 3.3V, 5V	TCO-4

Sub-totals:

## 2 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>DIGIKEY</u>	<u>Description</u>	<u>PCB Package</u>
1	D1	1N914		Generic Diode for inv prot	DO35
1	LED2	Blue	160-1579-1-ND	LED BLUE CLEAR 0805 SMD	0805P

Sub-totals:

## 6 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>DIGIKEY</u>	<u>Description</u>	<u>PCB Package</u>
5	C1-C5	0.1u	445-8607-ND	Multilayer Ceramic Capacitors MLCC TH	CAP20
1	C6	10u	399-11330-ND	CAP TANT 10uF 10V 1.5" TH	CAP15POL

Sub-totals:

## 5 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>DIGIKEY</u>	<u>Description</u>	<u>PCB Package</u>
4	R1-R4	10K	CF18JT10K0CT-ND	10K 5% TH Resistor	RES15-RADIAL
1	R5	1K	RMCF0805JT1K00CT-ND	RES 1.0K OHM 1/8W 5% 0805 (2012 metric) SMD 1276-1007-1-ND	0805

Sub-totals:

## 5 Connectors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>DIGIKEY</u>	<u>Description</u>	<u>PCB Package</u>
1	J2	HDR-3P-		3 Pin Header- Voltage Selector	MTA-HEADER-RA-3POS
1	J3	HDR-2X5-	952-1795-ND	Double Row, 10 Positions, JTAG Footprint	CON10_2X5_HDR-B
1	J4	HDR-3P-	952-2264-ND	3 Pin Hdr - INT/EXT Clock Selector	MTA-HEADER-RA-3POS
1	J7	EEBLOXX-3PIN	A112643-ND	3 Pin Hardware Power connector	CONN-3PIN-RA-0138
1	J100	40PIN	(2x) 1212-1149-ND	40 Pin Machined Terminal Pins	40X600TH

Sub-totals:

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Totals:

Monday, April 25, 2016 3:46:28 PM