

Parts	Description	Manufacturer
U6	Cyclone IV FPGA	Altera
U5	FPGA flash	Altera
U8	microController	Microchip technolc
U9	Quad DIP switch	Grayhill
U1	1.2V low-dropout regulator	ST
U2	2.5V low-dropout regulator	ST
U3	3.3V low-dropout regulator	ST
PB1, PB2, PB3	SPST pushbutton switch	Panasonic
U10	10-segment LED array	Lumex
R8, R9	330 ohm 5 resistor network	Bournes
JTAGFPGA	FPGA download connector	Tyco
U11	36-pin header	3M
R7	2.2Kohm 4 resistor network	Bourns Inc.
R2, R3	1K resistor	Panasonic Electro
R1, R4, R5, R6	10K resistor	Panasonic Electro
R10	1ohm resistor	Bourns Inc.
R11, R12, R13	100K resistors	Panasonic Electro
C4, C6, C8, C11, C12, C13, C15	0.1 uF capacitor	Samsung Electro-I
C1, C2, C3, C10	0.01 uF capacitor	Murata Electronics
C5, C7, C9	10 uF capacitor	Taiyo Yuden
C14	2.2uF capacitor	AVX Corporation
C16	4.7uF capacitor	Murata Electronics
L1	10uH inductor	EPCOS/TDK
JTAGSAM	SAM download connector	Samtec

Mfr Part #	Supplier	Sup Part #	Quantity	Unit Price
EP4CE6E22C8N	Digikey	544-2746-ND	1	11.95
EPCQ16SI8N	Mouser	989-EPCQ16SI8N	1	7
ATSAM4S4BA-AU	Digikey	ATSAM4S4BA-AU-NI	1	3.93
76SB04	Digikey	GH7170-ND	1	0.92
LD117DT12TRI	Digikey	497-1231-1-ND	1	1.16
LD117DT25CTR	Digikey	497-1233-1-ND	1	1.16
LD117DT33CTR	Digikey	497-1235-1-ND	1	1.16
EVQ-PAE04M	Digikey	P8008S-ND	1	0.29
SSA-LXB10IW-GF/LP	Digikey	67-1010-ND	1	2.85
4610X-2-331LF	Digikey	4610X-2-331LF-NI	2	0.286
5103309-1	Digikey	A33160-ND	2	0.76
929400-01-36-RK	Digikey	929400E-01-36-NI	2	1.323
4605X-101-222LF	Mouser	4605X-101-222LF	1	0.27
ERJ-6GEYJ102V	Digikey	P1.0KACT-ND	2	0.1
ERJ-6GEYJ103V	Digikey	P10KACT-ND	4	0.1
CRS0805-FW-1R00ELF	Mouser	652-CRS0805FW1	1	0.39
ERJ-6GEYJ104V	Digikey	P100KACT-ND	4	0.1
CL21F104ZBCNNNC	Digikey	1276-1007-1-ND	5	0.1
GRM216R71H103KA01D	Digikey	490-1664-1-ND	5	0.1
LMK212F106ZG-T	Digikey	587-1312-1-ND	3	0.17
0805ZG225ZAT4A	Digikey	478-12511-1-ND	1	0.41
GRT21BC8YA475KE13L	Mouser	81-GRT21BC8YA4	1	0.43
B78108E1103K009	Mouser	871-B78108E110	1	0.49
FTSH-105-01-F-D-K	Digikey	SAM8909-ND	1	2.74

Total Cost	Notes	availability as of November 1
11.95		in stock
7	8-SOIC	in stock
3.93		in stock
0.92		in stock
1.16	SMD	in stock
1.16	SMD	in stock
1.16	SMD	in stock
0.29		in stock
2.85		in stock
0.572		in stock
1.52		in stock
2.646		in stock
0.27		in stock
0.2	SMD	in stock
0.4	SMD	in stock
0.39	SMD	in stock
0.4	SMD	in stock
0.5	SMD	in stock
0.5	SMD	in stock
0.51	SMD	in stock
0.41	SMD	in stock
0.43	SMD	in stock
0.49	through-hole	in stock
2.74	polarized	in stock
42.398		