

## Bill of Mat

**Stock Code** 32203  
**Revision** A  
**Last Modified** 19 October 2010

Manufacturer	Manufacturer Part Number	Reference Designator
Panasonic Industrial Co.	EECS0HD334V	C1
Any		C22
Any		C23
Any		C24,C25
Any		C2-C21
Any		D1
Any		D2
Any		D3
Any		D4-D7
Any		D8
Fairchild Semiconductor Inc.	RB751S40	D9
Hirose Electric Co., Ltd.	H10172-ND	J1
Any		J2
Any		J3,J4
Hirose Electric Co., Ltd.	DM3C-SF	J5
Any		J6
MagTop Technology Co., Ltd.	H1121-A2122-A	J7
Any		L1,L2
Any		Q1
Any		R16-R20
Any		R1-R4
Any		R21,R22
Any		R23-R29
Any		R30
Any		R31
Any		R5
Any		R6-R15
E-Switch, Inc.	TL1015BF160QG	SW1,SW2
Any		U1
Parallax Inc.	P8X32A-Q44	U2
WIZnet Co., Ltd.	W5100	U3
Seiko Instruments Inc.	S-35390A-T8T1G	U4
Diodes Inc.	NCP1117ST50T3G	VR1
ECS, Inc. International	ECS-50-20-4	Y1
Abracon Corp.	ABS07-32.768KHZ-7-T	Y2
Citizen Finetech Miyota Co., Ltd.	CS325-25.000MABJ-UT	Y3
Any		N/A
Any		N/A

## Materials

Description	Quantity	Package	Mounting type
Super Capacitor, 0.33F, $\geq 5.5$ V	1		Through Hole
Capacitor, 22 $\mu$ F, $\geq 6.3$ V	1	0805	Surface Mount
Capacitor, 10 $\mu$ F, $\geq 25$ V	1	1206	Surface Mount
Capacitor, 16pF	2	0603	Surface Mount
Capacitor, 1 $\mu$ F, $\geq 16$ V	20	0603	Surface Mount
LED, Yellow Clear	1	0603	Surface Mount
LED, Blue Clear	1	0603	Surface Mount
LED, Super Red Clear	1	0603	Surface Mount
LED, Green Clear	4	0603	Surface Mount
LED, Orange Clear	1	0603	Surface Mount
Diode, Schottky	1	SOD-523	Surface Mount
Socket, 12 pin, dual row, keyed, 2 mm	1		Through Hole
Header, 4 pin, single row, 0.1 inch	1		Through Hole
Header, 2 pin, single row, 0.1 inch	2		Through Hole
Socket, MicroSD Card, Hinged, Latching	1		Surface Mount
Header, 3 pin, single row, 0.1 inch	1		Through Hole
Connector, RJ45, Tab down, with LEDs	1		Through Hole
Inductor, 1 $\mu$ H, 150mA	2	0603	Surface Mount
MOSFET, BSS123	1	SOT-23	Surface Mount
Resistor, 4.7 K $\Omega$	5	0603	Surface Mount
Resistor-SMT, 49.9, $\pm 1\%$	4	0603	Surface Mount
Resistor, 10 K $\Omega$	2	0603	Surface Mount
Resistor, 100 K $\Omega$	7	0603	Surface Mount
Resistor, 12 K $\Omega$ , $\pm 1\%$	1	0603	Surface Mount
Resistor, 1 M $\Omega$	1	0603	Surface Mount
Resistor, 300 $\Omega$ , $\pm 1\%$	1	0603	Surface Mount
Resistor, 330 $\Omega$	10	0603	Surface Mount
Push Button	2		Surface Mount
Serial EEPROM, 3.3 V, 512 KB	1	8-pin TSSOP	Surface Mount
P8X32A	1	44-pin QFP	Surface Mount
W5100	1	80-pin LQFP	Surface Mount
Real-Time Clock, I2C	1	8-pin TSSOP	Surface Mount
Voltage Regulator, 3.3V, 1A	1	SOT-223	Surface Mount
Crystal, 5 MHz, 20 pF	1	HC49/US	Surface Mount
Crystal, 32.768 kHz, 7 pF	1		Surface Mount
Crystal, 25 MHz, 18 pF	1		Surface Mount
Raw PCB, Spinneret Web Server	1		N/A
Shunt, 2 position, 0.1 inch	1		N/A