

ID	description	vendor	vendor Part#	qty	cost	total
J1	20 pin .1" female socket for mbed	digiquey		2		
J2	20 pin .1" female socket for mbed breakout	digiquey		1		
J3	20 pin .1" female socket for mbed breakout	digiquey		1		
J4	CONN POWER JACK 2.1MM	digiquey	CP-002A-ND	1	\$0.93	
J5	5 pin .1" female socket	digiquey	929974E-01-36	1		
J6	7 pin .1" female socket	digiquey	929974E-01-36	1		
J7	4 pin .1" female socket	digiquey	929974E-01-36	1		
J8	4 pin .1" male connector	digiquey	929974E-01-36	1		
J9	5 pin .1" female socket	digiquey	929974E-01-36	1		
J10	5 pin .1" male connector	digiquey	929974E-01-36	1		
J11	5 pin .1" female socket	digiquey	929974E-01-36	1		
J12	10 pin 2mm xbee socket			1		
J13	10 pin 2mm xbee socket			1		
J14	empty - special			0		
J15	9 pin .1" female socket		929974E-01-36	1		
J16	5 pin .1" male connector (MOT1)			1		
J17	5 pin .1" male connector (MOT2)			1		
J18	5 pin .1" male connector (ENC1)			1		
J19	5 pin .1" male connector (ENC2)					
J20	DB9 male CAN bus connector SMD	digiquey	190-09MA-ND	1	\$2.50	
J21	2 pin .1" male connector			1		
J22	CONN MAGJACK 2 PORT w USB	digiquey	507-1424-ND	1		
C1	47uF, Electrolytic			1		
C2	.01uF, REFADJ cap MAX1270					
C3	4.7uF, REF cap MAX1270					
C4	.1uF					
C5	.1uF, DAC out A buffer cap					
C6	.01uF, DAC out B buffer cap					
C7	.1uF					
C8	100uF					
C9	.1uF					
C10	.1uF					
C11	100uF					
C12	.1uF					
C13	100uF					
C14	.1uF					
C15	.1uF					
U1	mbed NXP LPC1768					
U2	5 volt switching regulator	Newark	OKI-78SR-5/1.5-W36-C (72R3616)	1	\$4.71	
U3	IC ADC 12BIT SERIAL 24-DIP	digiquey	MAX1270BCNG+-ND	1	\$27.17	
U4	IC OPAMP GP 10MHZ RRO 8DIP	digiquey	MCP6022-I/P-ND	1	\$1.09	
U5	IC DAC DUAL V-OUT SRL 8BIT 8-DIP	digiquey	MAX522CPA+-ND	1	\$5.20	
U6	Xbee					
U7	IC REG LDO 3.3V 0.4A SOT223	digiquey	LM2937IMP-3.3CT-ND	1	\$1.79	
U8	32-bit Quadrature Counter with Serial Interface	US Digital	LFLS7366R-S	1	\$4.00	
U9	32-bit Quadrature Counter with Serial Interface	US Digital	LFLS7366R-S	1	\$4.00	
U10	IC TRANSCEIVER CAN HI-SPD 8-DIP	digiquey	MCP2551-I/P-ND	1	\$0.85	
SW1	SWITCH SLIDE SPDT PC MOUNT 20V	digiquey	CKC5122-ND	1	\$3.51	
F1	Fuse 500mA hold, 1A trip	digiquey	MF-PSMF050X-2CT-ND	1	\$0.27	
X1	Crystal 40MHz 18pF Thur	digiquey	SER3451-ND	1	\$0.06	
X2	Crystal 40MHz 18pF Thur	digiquey	SER3451-ND	1	\$0.06	
R1	RES 1K OHM 1/4W 5% CARBON FILM	digiquey	CF14JT1K00CT-ND	1	\$0.01	
R2	RES 1K OHM 1/4W 5% CARBON FILM	digiquey	CF14JT1K00CT-ND	1	\$0.01	
R3	RES 1K OHM 1/4W 5% CARBON FILM	digiquey	CF14JT1K00CT-ND	1	\$0.01	
R4	RES 1K OHM 1/4W 5% CARBON FILM	digiquey	CF14JT1K00CT-ND	1	\$0.01	
R5	RES 1K OHM 1/4W 5% CARBON FILM	digiquey	CF14JT1K00CT-ND	1	\$0.01	
R6	RES 1K OHM 1/4W 5% CARBON FILM	digiquey	CF14JT1K00CT-ND	1	\$0.01	
R7	RES 10K OHM 1/4W 5% CARBON FILM	digiquey	CF14JT10K0CT-ND	1	\$0.01	

