

## MOB v1.3 - 9/10/01

Schematic ID	Description	Num	Digikey Part #	Digikey Price	Total	Notes
C1	cap	1	PCC1901CT-ND	0.23	0.23	Min buy 10
C2	power cap	1	P11290CT-ND	2.01	2.01	Min buy 10
C3-C12	filter caps	10	PCC1870CT-ND	0.23	2.30	Min buy 10
D1	power indicator	1	160-1140-ND	0.23	0.23	
D2,D7,D8	status indicators	3	160-1143-ND	0.23	0.69	
D4	Serial Zener	1	1N5231BDICT-ND	0.36	0.36	
D5,D6	12V balance diodes	2	UF1002DICT-ND	0.39	0.78	
J4,J6,J7,J9,J10	I/O connectors	1	929834-02-36-ND	1.02	1.02	36-pin snap to make smaller parts
J5	ISP connector	1	MHB10K-ND	1.33	1.33	
J5-plug	IDC plug	1	CKR10G-ND	1.03	1.03	
J8	OSMC connector skt	1	CHS20G-ND	1.52	1.52	
J8-plug	OSMC connector plug	1	CKR20G-ND	2.14	2.14	
J8-tabs	locking tabs	1	CLKS01-ND	0.22	0.22	Locking tabs sold in pairs
JX	Ribbon cable	1				
R11-R18,R21,R24	filter resistors	10	P10KECT-ND	0.09	0.90	
R19,R20,R22,R25-R27	LED current resistors	6	P680ECT-ND	0.09	0.54	Min buy 10
R1-R10	input protection res	10	P1.0KECT-ND	0.09	0.90	Min buy 10
R23	LCD contrast	1	D4AA23-ND	0.35	0.35	
S1-S5	reset, command buttons	5	P8009S-ND	0.29	1.45	
U1	5V regulator	1	LM2940CT-5.0-ND	1.80	1.80	
U2	CPU	1	ATMEGA163-8AC-ND	12.04	12.04	
U3	PWM drive MUX	1	296-4262-1-ND	1.08	1.08	
U4	I/O buffer	1	MM74HC244WM-ND	0.62	0.62	
U5,U6	opto isolators	2	67-1563-5-ND	0.39	0.78	
X1	ceramic resonator	1	PX800MC-ND	1.04	1.04	
					<b>35.36</b>	