

**MIT Leg Laboratory -- Signal Conditioning Board  
Parts List and Placement Guide**

<b>Digikey</b> qty	<b>Part #</b>	<b>Location</b>	<b>\$</b>	<b>Description</b>
2	WM4200-ND	J2,J4	\$0.26	Waldom 2Pin Straight Header
1	WM4201-ND	J5	\$0.39	Waldom 3Pin Straight Header
2	WM4204-ND	J1,J3	\$0.63	Waldom 6Pin Straight Header
2	WM2601-ND		\$0.25	Waldom 2Pin Female Housing
1	WM2602-ND		\$0.25	Waldom 3Pin Female Housing
2	WM2605-ND		\$0.40	Waldom 6Pin Female Housing
1	NJM7809FA-ND	U3	\$0.65	9V 1A Regulator TO-220F
1	NJM7909FA-ND	U4	\$0.60	9V 1A Neg. Regulator TO-220F
4	P2063-ND	C1,C8,C2,C3	\$0.55	4.7uF Tantalum CAP Panasonic
2	P4937-ND	C4,C5	\$0.23	1000pF Ceramic CAP Panasonic
2		C6,C7		0.1uf cap
2	P375-ND	D1, D2		Green LED
2	P374-ND	D3,D4		Red LED
9	5012K-ND	TP1-9	\$0.21	Keystone PC test points (White)
1	LF347BN-ND	U1 -- <i>bkwards</i>	\$3.01	National instruments 4pack op amp
2	15KXBK-ND	R2,R9	\$0.11	15 Kohm 1% 1/4 W Resistor
2	121XBK-ND	R1,R8	\$0.11	121 ohm 1% 1/4 W Resistor
2	3296Y-503-ND	R3, R10	\$2.83	50 Kohm Trim pot
4	1.00KXBK-ND	R4,R5,R6,R7		1Kohm, 1/4 watt resistor
1	ED7064-ND	U2, U5	\$2.89	64 count in-line strip sockets
<b>Newark</b>				
2	89T1B31AN	U2, U5	\$90.85	Analog Devices 1B31 Signal conditioner

Updated 1-10-2000, djp