

Rev.	11/30/2016 5:56				Now is 2/1/2017 14:57										
#	Description						Distributor		Price Each				Manufacturer		
	Value	Lead Spacing	Detail			Name	Order #	Qty 1 Price	Qty	Price	Qty	Price	Name	Part #	
C1	1uF	0.2"/5mm	50V		5%	Polyester Film	Mouser	598-DSF050J105	\$1.11	50	\$0.972	100	\$0.833	Cornell Dubilier	DSF050J105
C2	.1uF	0.2"	50V		5%	Polyester Film	Mouser	647-QYX1H104JTP	\$0.28	10	\$0.131	100	\$0.078	Nichicon	QYX1H104JTP
C3	.0047uF	0.2"	100V		5%	Polyester Film	Mouser	80-R82EC1470DQ50J	\$0.27	10	\$0.133	100	\$0.079	Kemet	R82EC1470DQ50J
C4	.0047uF	0.2"	100V		5%	Polyester Film	Mouser	80-R82EC1470DQ50J	\$0.27	10	\$0.133	100	\$0.079	Kemet	R82EC1470DQ50J
C5	.1uF	0.1"/2,5mm	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C6	.1uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C7	22uF	0.1"	35V		10%	Tantalum	Mouser	74-199D226X9035E6VE3	\$3.00	25	\$2.760	100	\$2.400	Vishay-Sprague	199D226X9035E6V1E3
C8	.01uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C9	.001uF	0.2"	100V		10%	Polyester Film	Mouser	80-R82EC1100AA50J	\$0.27	10	\$0.186	100	\$0.111	Kemet	R82EC1100AA50J
C10	.001uF	0.2"	100V		10%	Polyester Film	Mouser	80-R82EC1100AA50J	\$0.27	10	\$0.186	100	\$0.111	Kemet	R82EC1100AA50J
C11	.001uF	0.2"	100V		10%	Polyester Film	Mouser	80-R82EC1100AA50J	\$0.27	10	\$0.186	100	\$0.111	Kemet	R82EC1100AA50J
C12	.01uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C13	.001uF	0.2"	100V		10%	Polyester Film	Mouser	80-R82EC1100AA50J	\$0.27	10	\$0.186	100	\$0.111	Kemet	R82EC1100AA50J
C14	.01uF	0.2"	50V		5%	Polyester Film	Mouser	80-R82EC2100AA50J	\$0.23	10	\$0.122	100	\$0.980	Kemet	R82EC2100AA50J
C15	.01uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C16	22uF	0.1"	35V		10%	Tantalum	Mouser	74-199D226X9035E6VE3	\$3.00	25	\$2.760	100	\$2.400	Vishay-Sprague	199D226X9035E6V1E3
C17	22uF	0.1"	35V		10%	Tantalum	Mouser	74-199D226X9035E6VE3	\$3.00	25	\$2.760	100	\$2.400	Vishay-Sprague	199D226X9035E6V1E3
C18	22uF	0.1"	35V		10%	Tantalum	Mouser	74-199D226X9035E6VE3	\$3.00	25	\$2.760	100	\$2.400	Vishay-Sprague	199D226X9035E6V1E3
C19	22uF	0.1"	35V		10%	Tantalum	Mouser	74-199D226X9035E6VE3	\$3.00	25	\$2.760	100	\$2.400	Vishay-Sprague	199D226X9035E6V1E3
C20	.1uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C21	.1uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C22	.1uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C23	.1uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C24	1uF	0.2"	50V		5%	Polyester Film	Mouser	598-DSF050J105	\$1.11	50	\$0.972	100	\$0.833	Cornell Dubilier	DSF050J105
C25	.01uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C26	.1uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C27	.1uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C28	.1uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C29	.1uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C30	.01uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C31	.01uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C32	.01uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
C33	.01uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
Cd-a	10uF	0.2"	50V		10%	Polyester Film	Taw *	MKS2B051001N00KSSD	\$5.45	25	\$3.718	100	\$1.914	Wima	MKS2B051001N00KSSD
Cd-b	10uF	0.2"	50V		10%	Polyester Film	Taw *	MKS2B051001N00KSSD	\$5.56	25	\$3.847	100	\$2.063	Wima	MKS2B051001N00KSSD
Cd-c	10uF	0.2"	50V		10%	Polyester Film	Taw *	MKS2B051001N00KSSD	\$5.56	25	\$3.847	100	\$2.063	Wima	MKS2B051001N00KSSD
Ci-a	10uF	0.2"	50V		10%	Polyester Film	Taw *	MKS2B051001N00KSSD	\$5.56	25	\$3.847	100	\$2.063	Wima	MKS2B051001N00KSSD
Ci-b	10uF	0.2"	50V		10%	Polyester Film	Taw *	MKS2B051001N00KSSD	\$5.56	25	\$3.847	100	\$2.063	Wima	MKS2B051001N00KSSD
Ci-c	10uF	0.2"	50V		10%	Polyester Film	Taw *	MKS2B051001N00KSSD	\$5.56	25	\$3.847	100	\$2.063	Wima	MKS2B051001N00KSSD
CR5	LED	0.1"	Green	T1			Mouser	604-WP132XPGC	\$0.16	10	\$0.103	100	\$0.076	Kingbright	WP132XPGC
D1	1N4004	0.4"	400V-1A	DO-41		Power Diode	Mouser	625-1N4004-E3/54	\$0.47	100	\$0.315	500	\$0.139	Vishay	1N4004-E3/54
D4	10V	0.3"	500mW	DO-35	5%	Zener diode	Mouser	512-BZX79C10	\$0.13	25	\$0.106	100	\$0.037	Fairchild	BZX79C10
D5	10V	0.3"	500mW	DO-35	5%	Zener diode	Mouser	512-BZX79C10	\$0.13	25	\$0.106	100	\$0.037	Fairchild	BZX79C10
D6	10V	0.3"	500mW	DO-35	5%	Zener diode	Mouser	512-BZX79C10	\$0.13	25	\$0.106	100	\$0.037	Fairchild	BZX79C10
D7	10V	0.3"	500mW	DO-35	5%	Zener diode	Mouser	512-BZX79C10	\$0.13	25	\$0.106	100	\$0.037	Fairchild	BZX79C10
F1	0.2A hold 0.4A trip	0.2"	60V			Resettable PTC fuse	Mouser	576-60R020XU	\$0.42	10	\$0.328	100	\$0.273	Littelfuse	60R020XU
JP1	2 pin header	0.1"	Gold				Mouser	538-22-10-2021	\$0.53	10	\$0.470	100	\$0.310	Molex	22-10-2021
JP2	5 pin header	0.1"	Gold			w/Friction Lock	Mouser	538-22-11-2052	\$1.35	10	\$1.170	100	\$0.790	Molex	22-11-2052
JP5	Wire jumper														
P1	DB-15 header					IP-67 sealed	Mouser	706-15-000423	\$16.12	10	\$12.33	100	\$10.43	Conec	15-000423
P2	4 pin header	0.1"	Gold			w/Friction Lock	Mouser	538-22-11-2042	\$0.77	10	\$0.579	100	\$0.480	Molex	22-11-2042

R1	4.7K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-4.7K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-4.7K-RC
R2	2.4K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-2.4K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-2.4K-RC
R3	10M	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	603-MFR-25FTE52-10M	\$0.24	10	\$0.148	100	\$0.047	Yageo	MFR-25FTE52-10M
R4	200K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-200K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-200K-RC
R5	4.7M	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	603-MFR-25FRF52-4M7	\$0.24	10	\$0.148	100	\$0.047	Yageo	MFR-25FTE52-4M7
R6	100K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100K-RC
R7	100K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100K-RC
R8	100	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100-RC
R9	200K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-200K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-200K-RC
R10	20K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-20K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-20K-RC
R11	20K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-20K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-20K-RC
R12	100	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100-RC
R13	1K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-1K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-1K-RC
R14	100K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100K-RC
R15	100K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100K-RC
R16	100	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100-RC
R17	100	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100-RC
R18	1M	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-1.0M-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-1.0M-RC
R19	200K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-200K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-200K-RC
R20	1M	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-1.0M-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-1.0M-RC
R21	20K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-20K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-20K-RC
R22	100K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100K-RC
R23	499K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-499K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-499K-RC
R25	100	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100-RC
R26	100	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100-RC
R27	1M	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-1.0M-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-1.0M-RC
R28	10K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-10K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-10K-RC
R29	1M	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-1.0M-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-1.0M-RC
R31	330K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-330K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-330K-RC
Ri	15K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-15K-RC	\$0.13	10	\$0.090	200	\$0.020	Xicon	271-15K-RC
Rp	180K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-180K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-180K-RC
U1	AD706	8-DIP				Op Amp	Digikey	AD706JNZ-ND	\$4.40	25	\$3.520	100	\$2.970	Analog Devices	AD706JNZ
U2	AD706	8-DIP				Op Amp	Digikey	AD706JNZ-ND	\$4.40	25	\$3.520	100	\$2.970	Analog Devices	AD706JNZ
U4	AD706	8-DIP				Op Amp	Digikey	AD706JNZ-ND	\$4.40	25	\$3.520	100	\$2.970	Analog Devices	AD706JNZ
U5	LT1010	8-DIP				Driver Amp	Digikey	LT1010CN8#PBF-ND	\$4.80	25	\$3.087	100	\$2.500	Linear Tech	LT1010CN8#PBF
U6	CD4060	16-DIP				Binary Counter	Mouser	512-CD4060BCN	\$0.51	25	\$0.380	100	\$0.288	Fairchild	CD4060BCN
U7	LTC1043	18-DIP				Switched Cap. Block	Digikey	LTC1043CN#PBF-ND	\$5.70	25	\$3.785	100	\$2.950	Linear Tech	LTC1043CN
U8	LM35	2x0.1"				Temperature Sensor	Digikey	LM35DZ-ND	\$1.80	25	\$1.334	100	\$0.986	National	LM35DZ
U9	AD706	8-DIP				Op Amp	Digikey	AD706JNZ-ND	\$4.40	25	\$3.520	100	\$2.970	Analog Devices	AD706JNZ
VR1	RS-1215D	0.1"				DC-DC Converter	Mouser	919-RS-1215D	\$15.83	25	\$15.710	100	\$13.540	Recom	RS-1215D
VR2	LM78L08	2x0.1"				Pos. 8V Regulator	Mouser	512-LM78L08ACZ	\$0.22	25	\$0.180	100	\$0.165	Fairchild	LM78L08ACZ
VR3	LM79L08	2x0.1"				Neg. 8V Regulator	Mouser	512-LM79L08ACZ	\$0.28	25	\$0.230	100	\$0.168	Fairchild	LM79L08ACZ
X1	4.0 MHz	2x2.5mm				Ceramic Resonator	Mouser	81-CSTLS4M00G56-B0	\$0.21	10	\$0.161	100	\$0.136	Murata	CSTLS4M00G56-B0
	Main Board						Seismic Sys		\$22.69	1					
Sensor board															
J2	4 pin housing	0.1"				W/Polarizing rib	Mouser	538-22-01-3047	\$0.20	10	\$0.139	100	\$0.114	Molex	22-01-3047
J3	4 pin housing	0.1"				W/Polarizing rib	Mouser	538-22-01-3047	\$0.20	10	\$0.139	100	\$0.114	Molex	22-01-3047
J4	2 pin housing	0.1"				W/Polarizing rib	Mouser	538-22-01-3027	\$0.13	10	\$0.076	100	\$0.063	Molex	22-01-3027
P3	4 pin header	0.1"	Gold			w/Friction Lock	Mouser	538-22-11-2042	\$0.77	10	\$0.579	100	\$0.480	Molex	22-11-2042
P4	2 pin header	0.1"	Gold			w/Friction Lock	Mouser	538-22-11-2022	\$0.46	10	\$0.319	100	\$0.270	Molex	22-11-2022
---	Terminals		Gold	10 ea.			Mouser	538-08-65-0814	---	10	\$0.490	100	\$0.470	Molex	08-65-0814
---	Terminals		Selective Gold	10 ea.		Alternate	Mouser	538-08-65-0816	---	10	\$0.160	100	\$0.140	Molex	08-65-0816
	Sensor Board						Seismic Sys		\$15.64	1					
* Measured and tested capacitors available from Seismic Systems															
Contact Brett Nordgren brett3nt@bnordgren.org															

Rev.	11/30/2016 5:56	Now is	2/1/2017 14:57												
	Description					Distributor		Price Each				Manufacturer			
Qty	Value	Lead Spacing	Detail			Name	Order #	Qty 1 Price	Qty	Price	Qty	Price	Name	Part #	
8	.01uF	0.1"/2.5mm	100V	X7R	10%	Monolithic ceramic	Mouser	598-M20R103K1-F	\$0.59	10	\$0.423	100	\$0.206	Cornell Dubilier	M20R103K1-F
10	.1uF	0.1"	50V	X7R	10%	Monolithic ceramic	Mouser	598-M20R104K5-F	\$0.65	10	\$0.465	100	\$0.227	Cornell Dubilier	M20R104K5-F
4	.001uF	0.2"/5mm	100V		10%	Polyester Film	Mouser	80-R82EC1100AA50J	\$0.27	10	\$0.186	100	\$0.111	Kemet	R82EC1100AA50J
2	.0047uF	0.2"	100V		5%	Polyester Film	Mouser	80-R82EC1470DQ50J	\$0.27	10	\$0.133	100	\$0.079	Kemet	R82EC1470DQ50J
1	.01uF	0.2"	50V		5%	Polyester Film	Mouser	80-R82EC2100AA50J	\$0.23	10	\$0.122	100	\$0.980	Kemet	R82EC2100AA50J
1	.1uF	0.2"	50V		5%	Polyester Film	Mouser	667-ECQ-V1H104JL5	\$0.28	10	\$0.131	100	\$0.078	Panasonic	ECQ-V1H104JL5
2	1uF	0.2"	50V		5%	Polyester Film	Mouser	667-ECQ-V1H105JL3	\$0.68	10	\$0.365	100	\$0.240	Panasonic	ECQ-V1H105JL3
6	10uF	0.2"	50V		10%	Polyester Film	Taw *	MKS2B051001N00KSSD	\$5.45	25	\$3.718	100	\$1.914	Wima	MKS2B051001N00KSSD
5	22uF	0.1"	35V		10%	Tantalum	Mouser	74-199D226X9035E6VE3	\$3.00	25	\$2.760	100	\$2.400	Vishay-Sprague	199D226X9035E6V1E3
1	LED	0.1"	Green	T1			Mouser	604-WP132XPGC	\$0.16	10	\$0.103	100	\$0.076	Kingbright	WP132XPGC
1	1N4004	0.4"	400V-1A	DO-41		Power Diode	Mouser	625-1N4004-E3/54	\$0.47	100	\$0.315	500	\$0.139	Vishay	1N4004-E3/54
4	10V	0.3"	500mW	DO-35	5%	Zener diode	Mouser	512-BZX79C10	\$0.13	25	\$0.106	100	\$0.037	Fairchild	BZX79C10
1	0.2A hold 0.4A trip	0.2"	60V			Resettable PTC fuse	Mouser	576-60R020XU	\$0.42	10	\$0.328	100	\$0.273	Littelfuse	60R020XU
1	2 pin header	0.1"	Gold				Mouser	538-22-10-2021	\$0.53	10	\$0.470	100	\$0.310	Molex	22-10-2021
1	5 pin header	0.1"	Gold			w/Friction Lock	Mouser	538-22-11-2052	\$1.35	10	\$1.170	100	\$0.790	Molex	22-11-2052
1	Wire jumper								---						
1	DB-15 header					IP-67 sealed	Mouser	706-15-000423	\$16.12	10	\$12.33	100	\$10.43	Conec	15-000423
2	4 pin header	0.1"	Gold			w/Friction Lock	Mouser	538-22-11-2042	\$0.77	10	\$0.579	100	\$0.480	Molex	22-11-2042
6	100	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100-RC
1	1K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-1K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-1K-RC
1	2K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-2.4K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-2.4K-RC
1	4.7K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-4.7K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-4.7K-RC
1	10K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-10K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-10K-RC
1	15K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-15K-RC	\$0.13	10	\$0.090	200	\$0.020	Xicon	271-15K-RC
3	20K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-20K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-20K-RC
5	100K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-100K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-100K-RC
1	180K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-180K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-180K-RC
3	200K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-200K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-200K-RC
1	330K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-330K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-330K-RC
1	499K	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-499K-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-499K-RC
4	1M	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	271-1.0M-RC	\$0.13	200	\$0.014	1000	\$0.013	Xicon	271-1.0M-RC
1	4.7M	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	603-MFR-25FRF52-4M7	\$0.24	10	\$0.148	100	\$0.047	Yageo	MFR-25FTE52-4M7
1	10M	0.35"	50ppm	1/4W	1%	Metal Film	Mouser	603-MFR-25FTE52-10M	\$0.24	10	\$0.148	100	\$0.047	Yageo	MFR-25FTE52-10M
4	AD706	8-DIP				Op Amp	Digikey	AD706JNZ-ND	\$4.40	25	\$3.520	100	\$2.970	Analog Devices	AD706JNZ
1	LT1010	8-DIP				Driver Amp	Digikey	LT1010CN8#PBF-ND	\$4.80	25	\$3.087	100	\$2.500	Linear Tech	LT1010CN8#PBF
1	CD4060	16-DIP				Binary Counter	Mouser	512-CD4060BCN	\$0.51	25	\$0.380	100	\$0.288	Fairchild	CD4060BCN
1	LTC1043	18-DIP				Switched Cap. Block	Digikey	LTC1043CN#PBF-ND	\$5.70	25	\$3.785	100	\$2.950	Linear Tech	LTC1043CN
1	LM35	2x0.1"				Temperature Sensor	Digikey	LM35DZ-ND	\$1.80	25	\$1.334	100	\$0.986	National	LM35DZ
1	RS-1215D	0.1"				DC-DC Converter	Mouser	919-RS-1215D	\$15.83	25	\$15.710	100	\$13.540	Recom	RS-1215D
1	LM78L08	2x0.1"				Pos. 8V Regulator	Mouser	512-LM78L08ACZ	\$0.22	25	\$0.180	100	\$0.165	Fairchild	LM78L08ACZ
1	LM79L08	2x0.1"				Neg. 8V Regulator	Mouser	512-LM79L08ACZ	\$0.28	25	\$0.230	100	\$0.168	Fairchild	LM79L08ACZ
1	4.0 MHz	2x2.5mm				Ceramic Resonator	Mouser	81-CSTLS4M00G56-B0	\$0.21	10	\$0.161	100	\$0.136	Murata	CSTLS4M00G56-B0
2	4 pin housing	0.1"				W/Polarizing rib	Mouser	538-22-01-3047	\$0.20	10	\$0.139	100	\$0.114	Molex	22-01-3047
1	2 pin housing	0.1"				W/Polarizing rib	Mouser	538-22-01-3027	\$0.13	10	\$0.076	100	\$0.063	Molex	22-01-3027
1	2 pin header	0.1"	Gold			w/Friction Lock	Mouser	538-22-11-2022	\$0.46	10	\$0.319	100	\$0.270	Molex	22-11-2022
1	Main Board						Seismic								
1	Sensor Board						Seismic								
14	Terminals		Gold				Mouser	538-08-65-0814	---	10	\$0.490	100	\$0.470	Molex	08-65-0814
14*	Terminals		Selective Gold			Alternate	Mouser	538-08-65-0816	---	10	\$0.160	100	\$0.140	Molex	08-65-0816
6	IC Socket - 8 pin		Gold / Phos. Bronze				Mouser	571-26412601	\$0.45	25	\$0.360	100	\$0.300	TE / Amp	2-641260-1
1	IC Socket - 16 pin		Gold / Phos. Bronze				Mouser	571-26412621	\$0.71	25	\$0.639	100	\$0.560	TE / Amp	2-641262-1
1	IC Socket - 18 pin		Tin over nickel				Mouser	517-4818-3004-CP	\$0.42	25	\$0.396	100	\$0.355	3M	4818-3004-CP
2	Terminal Board		2 pads, 1 grounded				Seismic							Seismic	

	* For Seismic Systems parts contact Brett Nordgren brett3nt@bnordgren.org																		
Substitutions:	Parts may generally be substituted if the following requirements are met Any distributor may be used. Mouser is just for reference.																		
Resistors	In stock																		
	Metal Film																		
	Power 1/4W for 0.35"/9mm hole spacing. Commercial, not military, power rating.																		
	Tolerance 1% or better *See below																		
	Temperature coefficient 50ppm or lower (highest value resistors may have to be 100ppm) Some resistor values may be altered per Loop8Y.xls if exact instrument calibration is desired.																		
Capacitors	In stock																		
	Lead spacing as listed, 0.1"/2.5mm or 0.2"/5mm																		
	Tolerance as listed or better																		
	Voltage as listed or higher																		
	Type:		C7,16-19 may be aluminum electrolytic, though tantalums are a little better C8,12,15,25,30-33 may be film if hole spacing is OK Cd & Ci should be gotten from me. I will measure & test each one.																
Semiconductors	In stock																		
	AD706JN... Do not substitute																		
	D4-D7 Fairchild BZX79C10 Do not substitute																		
	Others may be from any manufacturer who makes the part #.																		
*Tolerance	The resistors below, directly affect the instrument calibration.																		
	0.1% tolerance, probably with lower TC, may be used to advantage.																		
	R7,9,14,15,18,19,21-23,Ri																		