

Bill of Materials									
Boston University Electronics Design Facility									
http://edf.bu.edu/									
Wire Chamber Preamp PCB									
Item	Quantity	Reference	Description	Manufacturer	Manufacturer Part No.	Supplier	Supplier Part No.	Unit Price	Unit Price per Board
1	2	C1, C3	1.0pF	Murata	GRM1885C1H1R0CZ01D	Digi-Key	490-1372-1-ND	0.04	0.08
2	1	C4	100pF	TDK Corporation	C1608C0G1H101J	Digi-Key	445-1281-1-ND	0.08	0.08
3	6	C2, C5, C6, C7, C14, C18	0.1uF	Murata	GRM188F51H104ZA01D	Digi-Key	490-1568-1-ND	0.027	0.162
4	3	C8, C10, C16	1 uF	Murata	GRM188F51E105ZA12D	Digi-Key	490-3895-1-ND	0.068	0.204
5	2	C9, C12	6.8uF	TDK Corporation	C2012X5R1E685M	Digi-Key	445-5983-1-ND	0.8	1.6
6	1	C11	10uf	TDK Corporation	C3216X5R0J106K/1.60	Digi-Key	445-1388-1-ND	0.22	0.22
7	3	R17, R18, R19	10	Panasonic - ECG	ERJ-3EKF10R0V	Digi-Key	P10.0HCT-ND	0.04	0.12
8	1	R2	49.9	Panasonic - ECG	ERJ-3EKF49R9V	Digi-Key	P49.9HCT-ND	0.04	0.04
9	2	R3, R5	1.0k	Panasonic - ECG	ERJ-3EKF1001V	Digi-Key	P1.00KHCT-ND	0.04	0.08
10	1	R1	1.18k	Panasonic - ECG	ERJ-3EKF1181V		P1.18KHCT-ND		0
11	1	R10	1.78k	Panasonic - ECG	ERJ-3EKF1781V	Digi-Key	P1.78KHCT-ND	0.04	0.04
12	1	R11	3.56K	Panasonic - ECG	ERJ-3EKF3571V	Digi-Key	P3.57KHCT-ND	0.04	0.04
13	1	R7	10k	Panasonic - ECG	ERJ-3EKF1002V	Digi-Key	P10.0KHCT-ND	0.04	0.04
14	1	R8	39k	Panasonic - ECG	ERJ-3EKF3902V	Digi-Key	P39.0KHCT-ND	0.04	0.04
15	1	R6	100k	Panasonic - ECG	ERJ-3EKF1003V	Digi-Key	P100KHCT-ND	0.04	0.04
16	1	R9	100M	Stackpole Electronics Inc	HVCB1206FKC100M	Digi-Key	HVCB1206FKC100MCT-ND	4.62	4.62
17	1	U2	LMP7721	National Semiconductor	LMP7721MA/NOPB	Digi-Key	LMP7721MA-ND	11.75	11.75
18	1	U3	THS4281	Texas Instruments	THS4281DBVT	Newark	10J9689	2.38	2.38
20	1	U7	BAV99WT1G	ON Semiconductor	BAV99WT1G	Digi-Key	BAV99WT1GOSCT-ND	0.271	0.271
21	2	J1, J3	3-Pin Connector	Mill-Max	399-10-164-10-009000	Digi-Key	ED2164-ND		
22	1	J2	4-Pin Connector	Mill-Max	399-10-164-10-009000	Digi-Key	ED2164-ND		
								Total:	21.807