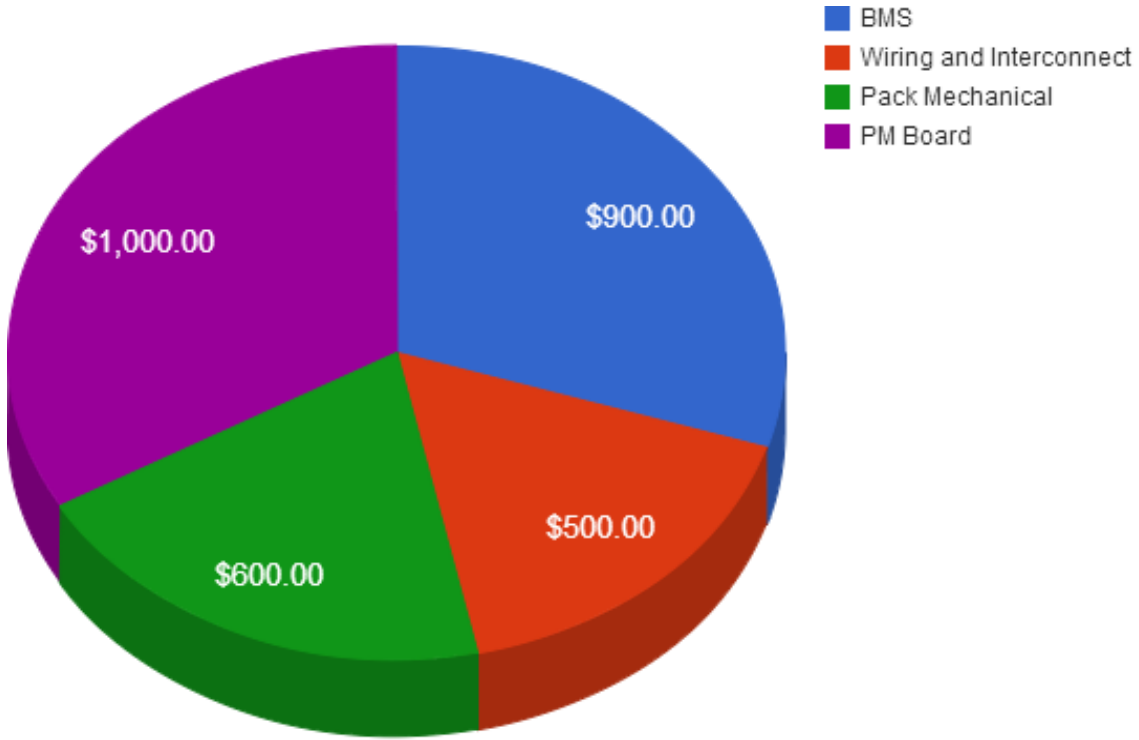


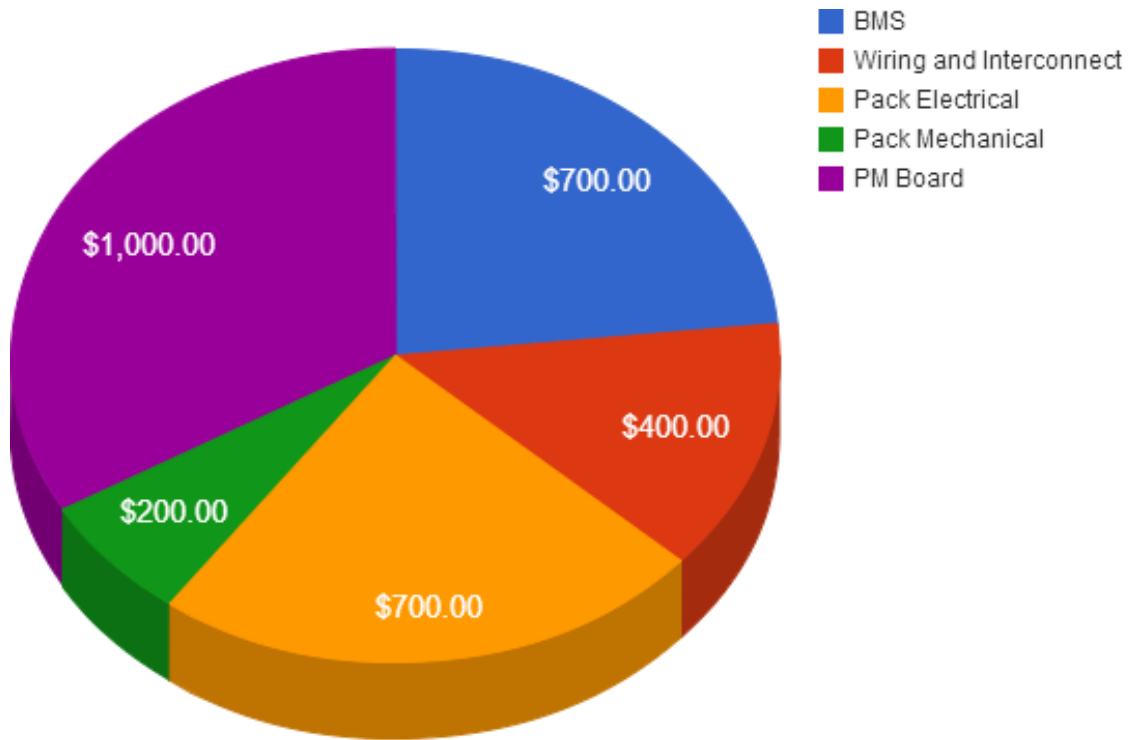
2014 Budget

Request	BMS	Wiring and Interconnect	Pack Electrical	Pack Mechanical	PM Board	Total
REQ06 - PM Board - Technologic Systems					\$415.00	
REQ02 - Pack - Zoro Tools			\$150.15			
REQ03 - Pack - McMaster				\$182.81		
REQ04 - Pack - Newark		\$131.76				
REQ05 - Pack - Gigavac			\$299.20			
REQ06 - PM Board - Technologic Systems					\$317.00	
REQ07 - Mouser	\$153.09		\$184.59		\$64.78	\$402.46
REQ08 - Advanced Circuits PCB	\$52.87					
REQ09 - Digikey	\$4.54				\$16.65	
REQ10 - Mouser						
REQ11 - McMaster				\$350.08		
Original Budget	\$900.00	\$500.00	\$0.00	\$600.00	\$1,000.00	\$3,000.00
New Budget	\$700.00	\$400.00	\$700.00	\$200.00	\$1,000.00	\$3,000.00
Total Spent	\$210.50	\$131.76	\$633.94	\$532.89	\$813.43	\$2,322.52
Remaining	\$489.50	\$268.24	\$66.06	-\$332.89	\$186.57	\$677.48

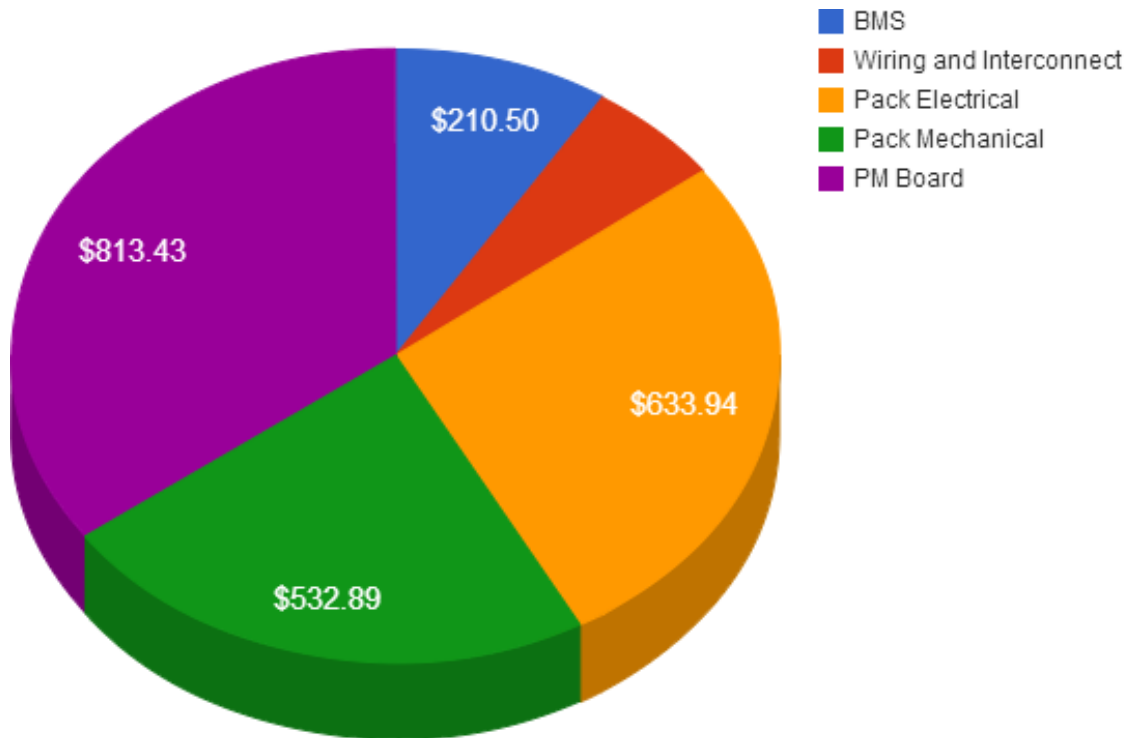
Original Budget



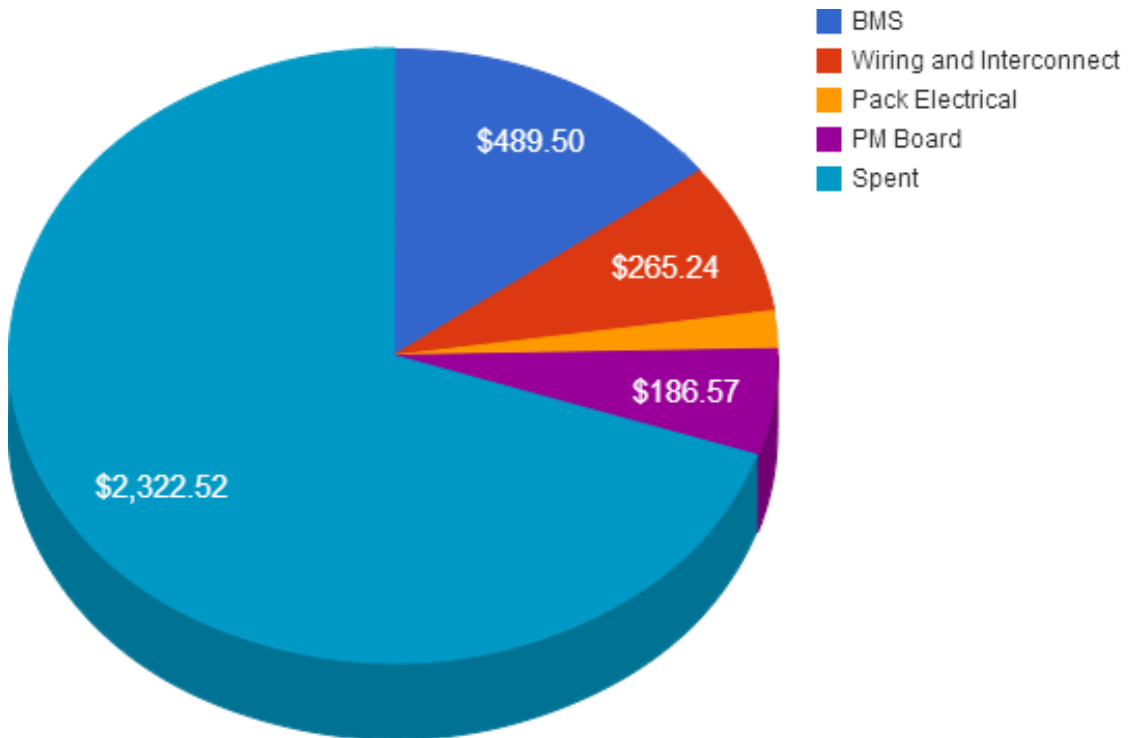
New Budget



Total Spent



Remaining Budget



BMS

Line #	QTY	Vendor Part	Description	Unit Price	Total Price
1	25	538-70543-0040	6-PIN SL Locking Header, tin-plate	\$0.74	\$18.43
2	25	538-50-57-9706	6-PIN SL Locking Plug w/TPA	\$0.75	\$18.73
3	25	538-73838-0006	6-PIN SL TPA Piece	\$0.26	\$6.50
4	150	538-16-02-0096	SL Socket 24-30 AWG	\$0.06	\$8.25
5	10	567-657-20ABP	TO-220 Vertical Board Mount Heatsink	\$1.66	\$16.60
6	5	652-PWR220T-20-R750 F	TO-220 Resistor 20watt 0.75ohms 1%	\$4.00	\$20.00
7	20	567-173-7-220P	Thermal Interface Pad TO-220 .007" GRAY	\$0.42	\$8.48
8	25	532-7721-7PPS	INSUL SHOULDER WASHR TO-220 (for No. 4 screw)	\$0.18	\$4.58
9	5	579-PIC16LF1827-I/SO	PIC16LF1827 8-bit Microcontroller	\$1.72	\$20.00
10	10	652-SRN8040-100M	SMD Inductor 10uH 20%	\$0.39	\$8.62
11	10	859-LTV-357T	Transistor Output Isolator	\$0.19	\$1.92
12	5	634-SI8600AB-B-IS	Silicon Labs Dual I2C Isolator Interface	\$3.18	\$15.90
13	10	579-MCP1825S-3302ED B	LDO Voltage Regulators 500 mA 3.3V	\$0.51	\$5.10
14	1		BMS Rev0.2	\$33.00	\$33.00
15	3	LTC4151CS-2#PBF-ND	LTC4151	\$5.55	\$16.65
16	250	RMCF0805FT324KCT- ND	328K 0805 SMD Resistor 1%	\$0.01	\$2.5
17	250	RMCF0805FT200KCT- ND	200K 0805 SMD Resistor 1%	\$0.01	\$2.5
				Shipping Fees	\$29.87
				Grand Total:	\$210.50

Wiring and Interconnect

#	QTY	Vendor Part	Description	Unit Price	Total Price	Rcvd
1	1	Newark 44W4361	PANEL DRAIN, LINE 3, GREY	\$55.88	\$55.88	
2	1	Newark 44W4365	PANEL SOURCE, NEUTRAL, BLUE	\$55.88	\$55.88	
					Shipping Fees	\$20
					Grand Total:	\$131.76

Pack Electrical

#	QTY	Vendor Part	Description	Unit Price	Total Price
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1	3	G3475534	Fuse,200A,Class T,A3T,300VAC/160VDC	\$28	\$85.02
2	1	G1878003	Fuse Holder,200A AC,300V,1 Pole,Molded	\$65	\$65.13
3	10	576-0505030.MXP	Littelfuse 500V 30A 3AB Fuse	\$3.29	\$32.9
4	3	504-BK/HKP-R	Cooper Bussmann AGC 30A/250V Fuse Holder	\$4.12	\$12.36
5	50	571-14807040	Pin & Socket Connectors PLUG HOUSE 6 POS.	\$0.24	\$12
6	50	571-14807050	Pin & Socket Connectors CAP HOUSE 6 POS	\$0.23	\$11.5
7	100	571-3506891	Pin & Socket Connectors SOCKET 24-18 AWG	\$0.07	\$7
8	100	571-3506901	Pin & Socket Connectors PIN 24-18 AWG	\$0.09	\$9
9	25	538-19070-0121	Insul. Ring Terminal, 10-12 AWG, #8/M4 stud	\$0.2	\$5
10	25	571-32950	Insul. Ring Terminal, 18 AWG, #6/M3 stud	\$0.29	\$7.25
11	5	879-4827G6-BK	PPMX 2-PIECE BLACK HOUSING	\$1.08	\$5.4
12	10	879-4802G3	PPMX SOCKET CONTACT 20-24 AWG	\$1.57	\$15.7
13	10	879-4803G3	PPMX PIN CONTACT 20-24 AWG	\$1.76	\$17.6
14	5	879-1461G1-BK	PP PAK 2-4P HSG-PLUG NO LATCH	\$0.72	\$3.6
15	5	879-1460G1-BK	PP PAK 2-4P HSG-PLUG W/LATCH	\$0.76	\$3.8
16	25	879-261G2	PP45 REELED CONTACT #10-14 AWG, TIN	\$0.14	\$3.5
17	1	5912-4414F	Fans 119x25 24DC 100CFM 5W 2900RPM 43dBA BB	\$33.58	\$33.58
18	1	562-0945030	Fan Accessories BLK FLTR ASSM 4.65"	\$2.08	\$2.08
19	2	562-09123-G	Fan Accessories PLASTIC GUARD 120MM	\$1.21	\$2.42
20	2	GX14CB	350A Contactor, 24VDC coil, 24-in flying leads, no auxiliary contact	\$94.35	\$188.7
21	3	P105CDA	50A miniTactor, 24VDC coil	\$40	\$120
				Shipping Fees	\$60
				Grand Total:	\$643.44

Pack Mechanical

#	QTY	Vendor Part	Description	Unit Price	Total Price
1	1	8975K64	0.5"x1.0"x6' Aluminum Bar 6061 Alloy	\$22.67	\$22.67
2	1	89155K44	12"x12"x0.5" Aluminum Plate 6061 Alloy	\$71.84	\$71.84
3	1	89155K72	8"x8"x1.0" Aluminum Plate 6061 Alloy	\$59.6	\$59.6
4	1	8983K42	12"x12"x0.06" Stainless Steel Plate	\$14.74	\$14.74
5	1	8975K213	Multipurpose 6061 Aluminum, 3/8" Thick x 6" Width x 3' Length	\$49.12	\$49.12
6	1	8975K213	Multipurpose 6061 Aluminum, 3/8" Thick x 6" Width x 6' Length	\$86.18	\$86.18
7	2	8560K356	Optically Clear Cast Acrylic Sheet, 1/4" Thick, 12" x 36"	\$40.6	\$81.2
8	2	8975K443	Multipurpose 6061 Aluminum, Rectangular Bar, 1/4" x 8", 2' Long	\$32.12	\$64.24
9	1	8667K219	Flame-Retardant Garolite (G-10/FR4), 5/8" Thick, 12" x 12"	\$69.34	\$69.34
10	1			\$0	\$0
				Shipping Fees	\$13.96
				Grand Total:	\$532.89

PM Board

Line Item	QTY	Vendor Part	Description	Unit Price	Total Price
1	1	TS-8160-4200-64-256 XF	TS-8160-4200 Atmel ARM9 SBC w/ 64MB RAM and 256MB XNAND Drive	\$308	\$308
2	1	TS-CAN1	SJA1000 CAN 2.0B Bus Interface - PC/104 peripheral board	\$69	\$69
3	1	CB7-05	Null modem cable with a DB9F at each end	\$9	\$9
	1	TS-8160-4200-64-256 XF	TS-8160-4200 Atmel ARM9 SBC w/ 64MB RAM and 256MB XNAND Drive	\$308	\$308
	2	908-MSD04GCS4P-1 TM	MICRO SD CARD 4GB CLASS 10 INDUSTRIAL	\$10.54	\$21.08
	1	763-NHD-0420E2ZFL YBW	20x4 Character LCD Display	\$27.18	\$27.18
	2	538-70543-0013	14x1 SL header	\$3	\$6
	2	538-50-57-9414	14x1 SL plug	\$0.89	\$1.78
	2	156-1409-E	D-SUB CRIMP FEMALE 9P	\$0.56	\$1.12
	20	156-1401-E	D-SUB CRIMP PIN FM	\$0.1	\$2
	2	164-9007-E	IDC SOCKET 14 PIN W/STRAIN RELIEF	\$0.65	\$1.3
	2	164-9008-E	IDC SOCKET 16 PIN W/STRAIN RELIEF	\$0.61	\$1.22
	10	579-MCP9700A-E/T O	MCP9700 Linear Thermistor Temp Sensor TO-92-3	\$0.31	\$3.1
				Shipping Fees	\$60
				Grand Total:	\$819.43