

Purchases - Organized by Subsystem / Budget Category

Purchase Order	Subsystem / Budget Category	Vendor	Vendor PN	Description	Unit Price	Quantity	Total Price	Date Ordered	Date Received	S hi	Notes
9	Cabling	Mouser	571-DT06-3S	Automotive Connectors 3WAY PLUG GRAY	\$1.220	15	\$18.30	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-1011-235-0405	Automotive Connectors 180 DEG STRAIGHT BACKSHELL 4 connect	\$2.240	17	\$38.08	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-1011-231-0305	Automotive Connectors 180 DEG STRAIGHT BACKSHELL 3 connect	\$3.500	11	\$38.50	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-1011-239-0605	Automotive Connectors 180 DEG STRAIGHT BACKSHELL 6 connect	\$2.480	15	\$37.20	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-1011-245-0805	Automotive Connectors 180 DEG STRAIGHT BACKSHELL 8 connect	\$3.880	10	\$38.80	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-1011-247-1205	Automotive Connectors 180 DEG STRAIGHT BACKSHELL 12 connect	\$3.360	6	\$20.16	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-DT06-8SA	Automotive Connectors see p/n DT06-08SA	\$7.440	10	\$74.40	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-DT06-12SA	Automotive Connectors SZ 16 DT 12 WAY PLUG	\$5.080	5	\$25.40	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-W8-S	Automotive Connectors WEDGE LOCK FOR 8WAY PLUG	\$0.229	10	\$2.29	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-W12S	Automotive Connectors WEDGELOCK, DT, 12 WAY PLUG	\$0.306	10	\$3.06	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-DT06-2S	Automotive Connectors DT Plug 2 Way	\$1.030	10	\$10.30	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-DT04-2P	Automotive Connectors DT 2 WAY RECP	\$0.849	10	\$8.49	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-DT06-4S	Automotive Connectors PLUG DT 4 WAY	\$1.490	10	\$14.90	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-DT04-4P	Automotive Connectors DT 4 WAY RECP	\$1.440	10	\$14.40	1-Mar-17	3-Mar-17	2 days	
9	Cabling	Mouser	571-W2-P	Automotive Connectors WEDGE LOCK FOR 2P REC HOUSING	\$0.105	10	\$1.05	1-Mar-17	3-Mar-17	2 days	
12	Cabling	Wire and Cable Your Way	SJO16s2	16/2 SJOOW Portable Cord 300V UL/CSA	\$0.250	50	\$12.50	7-Mar-17	10-Mar-17	3 days	
12	Cabling	Wire and Cable Your Way	SJO12s3	12/3 SJOOW Portable Cord 300V UL/CSA	\$0.620	65	\$40.30	7-Mar-17	10-Mar-17	3 days	
12	Cabling	Wire and Cable Your Way	SOO16s12	16/12 SOOW Portable Cord 600V UL/CSA	\$1.580	15	\$23.70	7-Mar-17	10-Mar-17	3 days	
12	Cabling	Wire and Cable Your Way	SOO16s8	16/8 SOOW Portable Cord 600V UL/CSA	\$0.980	30	\$29.40	7-Mar-17	10-Mar-17	3 days	
12	Cabling	Wire and Cable Your Way	GXL20	20 AWG GXL Automotive Primary Wire, 500' or 1000' Spool (Red)	\$22.000	1	\$22.00	7-Mar-17	10-Mar-17	3 days	
13	Cabling	Mouser	571-DT04-2P-L012	Automotive Connectors DT RECP ASM RoHS Compliant	\$3.170	10	\$31.70	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-W2-P	Automotive Connectors WEDGE LOCK FOR 2P RECHOUSING RoHS Compliant	\$0.105	20	\$2.10	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-DT04-3P-L012	Automotive Connectors DT 3WAY RECEPTACLE FLANGE MOUNT RoHS Compliant	\$4.770	5	\$23.85	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-W3-P	Automotive Connectors WEDGE LOCK FOR 3WAY REC HSNG RoHS Compliant	\$0.126	10	\$1.26	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-W3-S	Automotive Connectors WEDGE LOCK FOR 3WAY PLUG RoHS Compliant	\$0.126	10	\$1.26	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-DT04-4P-L012	Automotive Connectors SZ 4 WAY RECP DT FLANGE MOUNT RoHS Compliant	\$5.140	5	\$25.70	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-DT04-6P-CL09	Automotive Connectors DT RECP ASM RoHS Compliant	\$21.240	10	\$212.40	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-DT06-6S	Automotive Connectors PLUG DT 6 WAY RoHS Compliant	\$2.570	5	\$12.85	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-W8-P	Automotive Connectors WEDGE LOCK FOR 8WAY REC RoHS Compliant	\$0.255	10	\$2.55	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-DT04-12PA-L012	Automotive Connectors DT 12 WAY REC W/ FLANGE RoHS Compliant	\$8.510	5	\$42.55	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-W12P	Automotive Connectors WEDGELOCK DT 12 WAY RECP RoHS Compliant	\$0.280	10	\$2.80	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-114017	Automotive Connectors SEALING PLUG SZ 12-16 RoHS Compliant	\$0.482	50	\$24.10	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-160001	Terminals TERM, SOLIS R 2/0 M10 RoHS Compliant	\$3.370	15	\$50.55	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-323127	Terminals SPADE 22-16AWG 6 RoHS Compliant	\$0.177	100	\$17.70	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-2-520184-2	Terminals INSULATED RECP 22-18 .250 x .032 RoHS Compliant	\$0.180	100	\$18.00	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-25201032	Terminals TAB 22-18AWG .250 .250 x .032 RoHS Compliant	\$0.177	100	\$17.70	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-776164-1	Automotive Connectors PLG 35 POS F/H BLK	\$10.700	2	\$21.40	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-7708541	Automotive Connectors RECEPT CONTACT LOOSE	\$0.128	100	\$12.80	7-Mar-17	20-Mar-17	13 days	
13	Cabling	Mouser	571-776463-1	Automotive Connectors WIRE RELIEF, PLUG 35 POS	\$3.060	2	\$6.12	7-Mar-17	20-Mar-17	13 days	
15	Cabling	Brady	M21-250-C-342	Label Cartridge for BMP21 Series, ID PAL, LabPal Printers, White	\$57.190	1	\$57.19	8-Mar-17	20-Mar-17	12 days	
15	Cabling	Brady	M21-375-C-342	Label Cartridge for BMP21 Series, ID PAL, LabPal Printers, White	\$64.390	1	\$64.39	8-Mar-17	20-Mar-17	12 days	
21	Cabling	Newark - Element 14	77R3075	RECEPTACLE, FLANGE, 8 POSITION, PIN	\$9.440	4	\$37.76	23-Mar-17	27-Mar-17	4 days	
22	Cabling	Wire Care	0462-201-16141	Female, Crimp 16 - 20 AWG	\$0.336	200	\$67.20	23-Mar-17	28-Mar-17	5 days	
22	Cabling	Wire Care	0460-202-16141	Male pin 16 - 20 AWG	\$0.593	200	\$118.60	23-Mar-17	28-Mar-17	5 days	
24	Cabling	Allied Electronics	571-1011-267-0605	DT BACKSHELL 180 6way plug, DT06-6S	\$2.080	20	\$41.60	23-Mar-17	28-Mar-17	5 days	

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25	Cabling	Automation Direct	29892469184	Type MTW wire, 20 AWG, 10-strand, bare copper, red insulation, 600V, 500 ft spool. Alternate part ID: 029892469184.	\$25.000	1	\$25.00	23-Mar-17	27-Mar-17	4 days	
35	Cabling	IEWC	EXRAD2/0-XLEOBS	Single-Shielded Double-Insulated Cable EXRAD2/0-XLEOBS-5 (2/0 1254B IRRAD EXTRAD OBS 150C 600V ORG)	\$10.000	30 feet	\$300.00	30-Mar-17	5-Apr-17	6 days	
36	Cabling	Newark - Element 14	44W4336	ITT CANNON LINE DRAIN, NEUTRAL, BLUE, 400A	\$56.410	2	\$112.82	30-Mar-17	10-Apr-17	11 days	
36	Cabling	Newark - Element 14	44W4346	ITT CANNON LINE SOURCE, NEUTRAL, BLUE, 400A	\$56.900	1	\$56.90	30-Mar-17	10-Apr-17	11 days	
36	Cabling	Newark - Element 14	64W3407	VEAM REDUCTION SLEEVE R70	\$10.590	3	\$31.77	30-Mar-17	5-Apr-17	6 days	
41	Cabling	Allied Electronics	70133109	Tubing Kit 1/16, 1/8, 1/4, 1/2, 3/4, and 1 In. sizes; Shrink(3:1)	\$36.360	1	\$36.36	10-Apr-17	12-Apr-17	2 days	
41	Cabling	Allied Electronics	70121553	HDMI (M-M) CABLE 1.4 W/ETHERNET CL3 28 AWG 1080P 10ft	\$11.880	1	\$11.88	10-Apr-17	12-Apr-17	2 days	
47	Cabling	McMaster-Carr	7432K162	Spiral Bundling Wrap, UV-Resistant Polyethylene, 3/16" ID, 1/4" OD (25ft)	\$9.070	1	\$9.07	18-Apr-17	20-Apr-17	2 days	
47	Cabling	McMaster-Carr	7432K63	Spiral Bundling Wrap, UV-Resistant Polyethylene, 1/4" ID, 3/8" OD (25ft)	\$13.310	1	\$13.31	18-Apr-17	20-Apr-17	2 days	
50	Cabling	Wire Care	0462-201-16141	Female, Crimp 16 - 20 AWG	\$0.600	100	\$60.00	20-Apr-17	24-Apr-17	4 days	
50	Cabling	Wire Care	0460-202-16141	Male pin 16 - 20 AWG	\$0.593	100	\$59.30	20-Apr-17	24-Apr-17	4 days	
51	Cabling	Mouser	571-DT06-2S	Automotive Connectors DT Plug 2 Way	\$1.030	10	\$10.30	21-Apr-17	26-Apr-17	5 days	
51	Cabling	Mouser	571-W2-S	WEDGE LOCK FOR 2P PLUG HOUSING	\$0.105	10	\$1.05	21-Apr-17	26-Apr-17	5 days	
51	Cabling	Mouser	571-W6-S	WEDGE LOCK FOR 6P PLUG HOUSING	\$0.280	10	\$2.80	21-Apr-17	26-Apr-17	5 days	
51	Cabling	Mouser	571-DT04-6P	Automotive Connectors 6WAY RECEPTACLE	\$2.690	5	\$13.45	21-Apr-17	26-Apr-17	5 days	
53	Cabling	Allied Electronics	DT06-6S	TE Connectivity DT06-6S (6 PIN FEMALE CONNECTOR)	\$2.440	10	\$24.40	24-Apr-17	26-Apr-17	2 days	
57	Cabling	Mouser	571-776164-1	Automotive Connectors PLG 35 POS F/H BLK	\$10.700	3	\$32.10	4-May-17	5-May-17	1 days	
57	Cabling	Mouser	571-DT06-12SA	Automotive Connectors SZ 16 DT 12 WAY PLUG RoHS Compliant	\$5.080	5	\$25.40	4-May-17	5-May-17	1 days	
57	Cabling	Mouser	571-7708541	Automotive Connectors RECEPT CONTACT LOOSE	\$0.113	250	\$28.25	4-May-17	5-May-17	1 days	
2	Cooling	SparkFun	DEV-13262	CAN-BUS Shield	\$24.950	1	\$24.95	15-Feb-17	21-Feb-17	6 days	
2	Cooling	SparkFun	DEV-11021	Arduino Uno - R3	\$24.950	1	\$24.95	15-Feb-17	21-Feb-17	6 days	
3	Cooling	Koolance	NZL-LXG1	Fitting Elbow 1/4 BSPP	\$9.990	2	\$19.98	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	QD4-FS13X19	QD4 Female Compression 13 x 19	\$15.990	2	\$31.98	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	QD4-MSN38	QD4 Male to 3/8 NPT Male	\$12.490	2	\$24.98	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	ADT-XMM-BK	Male-Male G 1/4 BSPP	\$2.490	3	\$7.47	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	FIT-V13X19-BK	Compression 13X19 to 1/4 BSPP	\$6.740	4	\$26.96	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	INS-FM17N	Flow Meter	\$19.990	1	\$19.99	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	SEN-TPL01OK	Temperature Sensor	\$19.990	2	\$39.98	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	TAP-CP002P	Temperature Sensor Tape	\$0.350	1	\$0.35	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	SEN-AP007P	Temperature Sensor, Flat, 10K Ohm	\$4.490	1	\$4.49	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	PMP-450S	PMP-450S Pump, ID 13mm	\$76.990	1	\$76.99	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	HX-720	Radiator, 2x120mm 30-FPI Copper	\$47.990	1	\$47.99	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	GRL-AP002P	Fan Grill, 120mm	\$2.490	2	\$4.98	16-Feb-17	23-Feb-17	7 days	
3	Cooling	Koolance	CBL-CTR103P	3-4pin Molex Power Adapter	\$3.490	1	\$3.49	16-Feb-17	23-Feb-17	7 days	
4	Cooling	SparkFun	LCD-09568	Serial Enabled 20x4 LCD - Black on Green 5V	\$29.950	1	\$29.95	16-Feb-17	22-Feb-17	6 days	
5	Cooling	Amazon		Asiahorse PWM Solar Eclipse-Ultra Quiet Bearing 120mm DC Led Fan for Computer Cases, Long Life CPU Coolers	\$20.990	1	\$20.99	16-Feb-17	22-Feb-17	6 days	
14	Cooling	Amazon		Swiftech MCRES Micro Revision 2 Reservoir	\$27.990	1	\$27.99	8-Mar-17	20-Mar-17	12 days	
14	Cooling	Amazon		Precision Brand M12S Micro Seal 9/16 inches	\$14.460	1	\$14.46	8-Mar-17	20-Mar-17	12 days	
54	Cooling	Amazon		Arduino Uno R3 Microcontroller A000066	\$18.820	1	\$18.82	24-Apr-17	26-Apr-17	2 days	
54	Cooling	Amazon		Sparkfun CAN-BUS Shield for Arduino and compatibles	\$39.950	1	\$39.95	24-Apr-17	1-May-17	7 days	
10	Department	Sears	00934555000P	Craftsman 12 pc. Nutdriver Set in Zippered Case	\$39.990	1	\$39.99	6-Mar-17	9-Mar-17	3 days	
10	Department	Sears	00946298000P	Craftsman 7 pc. Metric T-Handle Hex Key Set	\$20.000	1	\$20.00	6-Mar-17	9-Mar-17	3 days	
10	Department	Sears	00953155000P	Craftsman 155-Piece Mechanics Tool Set with 75 Tooth Ratchets	\$79.990	1	\$79.99	6-Mar-17	9-Mar-17	3 days	
10	Department	Sears	SPM7696798322	TAMIYA 74047 HG Angled Tweezers TAMR7447	\$21.370	1	\$21.37	6-Mar-17	9-Mar-17	3 days	
10	Department	Sears	00941633000P	Craftsman 10 pc. Screwdriver Set	\$24.990	1	\$24.99	6-Mar-17	9-Mar-17	3 days	
15	Department	Brady	BMP21-PLUS-KIT1	BMP21-PLUS Printer Kit	\$195.000	1	\$195.00	8-Mar-17	20-Mar-17	12 days	
17	Department	Grainger	25D147	19-1/2"L Crimper, 6 to 4/0 AWG	\$215.400	1	\$215.40	9-Mar-17	10-Mar-17	1 days	
23	Department	Cable Ties and More	HSK3-1-KIT-BK	3:1 Shrink Black 6 sizes, 110 pcs 6" Length	\$42.280	1	\$42.28	23-Mar-17	13-Apr-17	21 days	Was cabling purchase, but department paid after cancellation failed. It is advised to not use this company in the future.
23	Department	Cable Ties and More	WL923	3/4" Diameter Split Wire Loom 100' Roll	\$16.500	1	\$16.50	23-Mar-17	13-Apr-17	21 days	Was cabling purchase, but department paid after cancellation failed. It is advised to not use this company in the future.
26	Department	AA Portable Power Corp	6334	LiFeMnPO4 Prismatic Module: 3.2V 60 Ah, 10C Rate (192 wh) - UN38.3 Passed	\$96.750	3	\$290.25	28-Mar-17	5-Apr-17	8 days	

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31	Department	Newark - Element 14	44f8409	Crimp Tool, Hand, AMP 28-16 AWG, Contacts	\$185.71	1	\$185.71	29-Mar-17	31-Mar-17	2 days	
32	Department	Powerwerx	TRicrimp	TRicrimp, the best crimping tool for Powerpole for 15, 30 and 45 amp contacts	\$39.990	1	\$39.99	29-Mar-17	5-Apr-17	7 days	
7/8	GLV	Digikey	350-4050-ND	LED PANEL INDICATOR RED 24V	\$6.970	5	\$34.85	21-Feb-17	27-Feb-17	6 days	
7/8	GLV	Digikey	350-4053-ND	LED PANEL INDICATOR GREEN 24V	\$8.940	5	\$44.70	21-Feb-17	27-Feb-17	6 days	
11	GLV	Digikey	296-38571-1-ND	SENSOR TEMPERATURE SMBUS 8VSSOP	\$3.430	5	\$17.15	6-Mar-17	20-Mar-17	14 days	
11	GLV	Digikey	Z2254-ND	RELAY GEN PURPOSE SPST 10A 24V	\$1.300	5	\$6.50	6-Mar-17	20-Mar-17	14 days	
11	GLV	Digikey	296-34970-1-ND	IC LOAD SW HIGH SIDE 6SOT	\$0.460	10	\$4.60	6-Mar-17	20-Mar-17	14 days	
11	GLV	Digikey	PB192-ND	CIR BRKR THRM 15A 250VAC 32VDC	\$3.260	1	\$3.26	6-Mar-17	20-Mar-17	14 days	
11	GLV	Digikey	PB189-ND	CIR BRKR THRM 8A 250VAC 32VDC	\$3.260	1	\$3.26	6-Mar-17	20-Mar-17	14 days	
11	GLV	Digikey	GH1367-ND	SWITCH PUSH SPST-NO 0.15A 5V	\$3.040	2	\$6.08	6-Mar-17	20-Mar-17	14 days	
11	GLV	Digikey	GH1368-ND	SWITCH PUSH SPST-NO 0.15A 5V	\$3.040	2	\$6.08	6-Mar-17	20-Mar-17	14 days	
16	GLV	EV West		First Technology Inertia Switch - 360 degree Resettable Crash Sensors	\$52.800	1	\$52.80	8-Mar-17	20-Mar-17	12 days	
18	GLV	Digikey	ADS7823E/250CT-ND	IC 12-BIT LP A/D CONV 8VSSOP	\$7.650	3	\$22.95	9-Mar-17	20-Mar-17	11 days	
18	GLV	Digikey	LTC2631ITS8-LM12#TRMPBFCT-ND	IC DAC 12BIT VOUT TSOT23-8	\$4.280	2	\$8.56	9-Mar-17	20-Mar-17	11 days	
18	GLV	Digikey	350-2645-ND	LED PANEL IND 5V 15MA RED	\$6.130	3	\$18.39	9-Mar-17	20-Mar-17	11 days	
18	GLV	Digikey	RMCF0805JT10K0CT-ND	RES SMD 10K OHM 5% 1/8W 0805	\$0.006	100	\$0.61	9-Mar-17	20-Mar-17	11 days	
18	GLV	Digikey	RMCF0805JT120RCT-ND	RES SMD 120 OHM 5% 1/8W 0805	\$0.006	100	\$0.61	9-Mar-17	20-Mar-17	11 days	
18	GLV	Digikey	RNCF0805TKY250RCT-ND	RES SMD 250 OHM 0.01% 1/8W 0805	\$1.815	10	\$18.15	9-Mar-17	20-Mar-17	11 days	
18	GLV	Digikey	311-100CRCT-ND	RES SMD 100 OHM 1% 1/8W 0805	\$0.008	100	\$0.77	9-Mar-17	20-Mar-17	11 days	
18	GLV	Digikey	P1.0KADCT-ND	RES SMD 1K OHM 5% 1/2W 0805	\$0.068	25	\$1.71	9-Mar-17	20-Mar-17	11 days	
18	GLV	Digikey	SK310A-LTPMSCT-ND	DIODE SCHOTTKY 100V 3A DO214AC	\$0.400	10	\$4.00	9-Mar-17	20-Mar-17	11 days	
18	GLV	Digikey	CSNL1206FT1L00CT	RES SMD 0.001 OHM 1% 1W 1206	\$0.416	50	\$20.79	9-Mar-17	20-Mar-17	11 days	
20	GLV	Digikey	AD5593RBRUZ-ND	8 Channel, ADC/DAC Chip	\$7.900	3	\$23.70	23-Mar-17	28-Mar-17	5 days	
20	GLV	Digikey	MCP6004T-I/STCT-ND	Quad Op Amp	\$0.450	5	\$2.25	23-Mar-17	28-Mar-17	5 days	
20	GLV	Digikey	BSS84CT-ND	MOSFET P-CH 50V 130MA SOT-23	\$0.194	10	\$1.94	23-Mar-17	28-Mar-17	5 days	
20	GLV	Digikey	Z1013-ND	Single Pole Double Throw 24V Relay	\$1.330	4	\$5.32	23-Mar-17	28-Mar-17	5 days	
27	GLV	Amazon	PZEM-031	Digital Display Multimeter	\$14.990	1	\$14.99	29-Mar-17	5-Apr-17	7 days	
28	GLV	Digikey	102-2927-ND	DC/DC CONVERTER 5V 20W	\$33.850	1	\$33.85	29-Mar-17	3-Apr-17	5 days	
28	GLV	Digikey	AE10921-ND	CONN D-SUB RCPT 9POS R/A SOLDER	\$0.770	1	\$0.77	29-Mar-17	3-Apr-17	5 days	
28	GLV	Digikey	399-1170-1-ND	CAP CER 0.1UF 50V X7R 0805	\$0.013	1000	\$13.28	29-Mar-17	3-Apr-17	5 days	
29	GLV	McMaster-Carr	95185A105	Press Fit Nuts for sheet metal (2-56)	\$9.400	1	\$9.40	29-Mar-17	30-Mar-17	1 days	
29	GLV	McMaster-Carr	95185A185	Press Fit Nuts for sheet metal (10-32)	\$6.260	1	\$6.26	29-Mar-17	30-Mar-17	1 days	
29	GLV	McMaster-Carr	94639A703	Nylon unthreaded spacers (2)	\$7.510	1	\$7.51	29-Mar-17	30-Mar-17	1 days	
29	GLV	McMaster-Carr	94639A351	Nylon unthreaded spacers (10)	\$7.680	1	\$7.68	29-Mar-17	30-Mar-17	1 days	
29	GLV	McMaster-Carr	90272A079	Steel Phillips Screws 2-56	\$3.280	1	\$3.28	29-Mar-17	30-Mar-17	1 days	
29	GLV	McMaster-Carr	90272A827	Steel Phillips Screws 10-32	\$3.950	1	\$3.95	29-Mar-17	30-Mar-17	1 days	
39	GLV	McMaster-Carr	8216177	3" Made to Order Peel and Stick (set message as GLV, color Black)	\$6.880	1	\$6.88	5-Apr-17	12-Apr-17	7 days	
39	GLV	McMaster-Carr	93635A156	M5 x .8mm screws 10mm long	\$8.320	1	\$8.32	5-Apr-17	6-Apr-17	1 days	
39	GLV	McMaster-Carr	90272A194	8-32 Thread Size Phillips Head Rounded Screws	\$3.140	1	\$3.14	5-Apr-17	6-Apr-17	1 days	
43	GLV	McMaster-Carr	5945T83	Wrap-on Wire Marker Book, Tyvek, 1-45, Consecutively Numbered	\$15.000	1	\$15.00	12-Apr-17	13-Apr-17	1 days	
43	GLV	McMaster-Carr	5945T84	Wrap-on Wire Marker Book, Tyvek, 46-90, Consecutively Numbered	\$15.000	1	\$15.00	12-Apr-17	13-Apr-17	1 days	
45	GLV	Adafruit	2718	7" Touchscreen Display for Raspberry Pi	\$79.950	1	\$79.95	12-Apr-17	18-Apr-17	6 days	
46	GLV	Mouser	645-6123132120F	LED Panel Mount Indicators Red 60mcd 6VDC 15mA	\$5.190	2	\$10.38	18-Apr-17	24-Apr-17	6 days	
46	GLV	Mouser	645-6123132130F	LED Panel Mount Indicators Red 60mcd 12VDC 15mA	\$5.190	1	\$5.19	18-Apr-17	24-Apr-17	6 days	
46	GLV	Mouser	645-6123232140F	LED Panel Mount Indicators GREEN 110MCD 24VDC 15MA	\$5.190	2	\$10.38	18-Apr-17	24-Apr-17	6 days	
52	GLV	McMaster-Carr	7565K47	Cable Holders, Adhesive-Back, for 9/16" Maximum Bundle Diameter (Pack of 25)	\$11.830	2	\$23.66	21-Apr-17	24-Apr-17	3 days	
	GLV			L17_GLV_07_01_PCB Fabrication (2 masks each)	\$33.000	1	\$33.00				
1	Shipping / Tax / Misc	Digikey					\$13.32				
2	Shipping / Tax / Misc	SparkFun					\$9.10				
3	Shipping / Tax / Misc	Koolance					\$12.39				
4	Shipping / Tax / Misc	SparkFun					\$9.10				
5	Shipping / Tax / Misc	Amazon					\$8.51				
6	Shipping / Tax / Misc	EV West					\$12.28				
7/8	Shipping / Tax / Misc	Digikey					\$8.99				
9	Shipping / Tax / Misc	Mouser					\$9.49				
10	Shipping / Tax / Misc	Sears					\$16.76				
11	Shipping / Tax / Misc	Digikey					\$8.99				
12	Shipping / Tax / Misc	Wire and Cable Your Way					\$29.00				
13	Shipping / Tax / Misc	Mouser					\$14.24				
14	Shipping / Tax / Misc	Amazon					\$2.55				
15	Shipping / Tax / Misc	Brady					\$14.03				
16	Shipping / Tax / Misc	EV West					\$12.28				

Purchases - Organized by Subsystem / Budget Category

Purchase Order	Subsystem / Budget Category	Vendor	Vendor PN	Description	Unit Price	Quantity	Total Price	Date Ordered	Date Received	Shi	Notes
17	Shipping / Tax / Misc	Grainger					\$0.00				
18	Shipping / Tax / Misc	Digikey					\$8.99				
19	Shipping / Tax / Misc	Mouser					\$7.99				
20	Shipping / Tax / Misc	Digikey					\$8.99				
21	Shipping / Tax / Misc	Newark - Element 15					\$5.00				
22	Shipping / Tax / Misc	Wire Care					\$8.99				
23	Shipping / Tax / Misc	Cable Ties and More					\$13.02				
24	Shipping / Tax / Misc	Allied Electronics					\$14.14				
25	Shipping / Tax / Misc	Automation Direct					\$6.00				
26	Shipping / Tax / Misc	AA Portable Power Corp					\$30.70				
27	Shipping / Tax / Misc	Amazon					\$5.01				
28	Shipping / Tax / Misc	Digikey					\$8.99				
29	Shipping / Tax / Misc	McMaster-Carr					\$5.32				
30	Shipping / Tax / Misc	Mouser					\$8.74				
31	Shipping / Tax / Misc	Newark - Element 15					\$0.00				
32	Shipping / Tax / Misc	Powerwerx					\$12.78				
33	Shipping / Tax / Misc	Digikey					\$14.99				
34	Shipping / Tax / Misc	DFRobot					\$12.00				
35	Shipping / Tax / Misc	IEWC					\$15.00				
36	Shipping / Tax / Misc	Newark - Element 15					\$0.00				
37	Shipping / Tax / Misc	Digikey					\$8.99				
38	Shipping / Tax / Misc	Mouser					\$7.99				
39	Shipping / Tax / Misc	McMaster-Carr					\$5.79				
40	Shipping / Tax / Misc	GMW Associates					\$10.25				
41	Shipping / Tax / Misc	Allied Electronics					\$42.41				
42	Shipping / Tax / Misc	Super Bright LEDs					\$7.70				
43	Shipping / Tax / Misc	McMaster-Carr					\$5.32				
44	Shipping / Tax / Misc	Digikey					\$8.99				
45	Shipping / Tax / Misc	Adafruit					\$9.09				
46	Shipping / Tax / Misc	Mouser					\$14.83				
47	Shipping / Tax / Misc	McMaster-Carr					\$6.36				
48	Shipping / Tax / Misc	Home Depot					\$0.00				
49	Shipping / Tax / Misc	Super Bright LEDs					\$3.57				
50	Shipping / Tax / Misc	Wire Care					\$7.99				
51	Shipping / Tax / Misc	Mouser					\$14.83				
52	Shipping / Tax / Misc	McMaster-Carr					\$5.32				
53	Shipping / Tax / Misc	Allied Electronics					\$25.98				
54	Shipping / Tax / Misc	Amazon					\$2.64				
55	Shipping / Tax / Misc	McMaster-Carr					\$5.32				
56	Shipping / Tax / Misc	StickerYou					\$13.29				
57	Shipping / Tax / Misc	Mouser					\$54.09				
	Shipping / Tax / Misc			System Diagram Posters	\$10.000	5	\$50.00				
	Shipping / Tax / Misc			WBS Posters	\$10.000	3	\$30.00				
	Shipping / Tax / Misc			L17_GLV_07_01 PCB Fabrication			\$46.50				
	Shipping / Tax / Misc			L17_TSI_001_01 PCB Fabrication			\$46.32				
	Shipping / Tax / Misc			PacMAN Fabrication			\$46.32				
	Shipping / Tax / Misc			6 Posters for Poster Presentation	\$10.000	6	\$60.00				
6	TSI	EV West	GV200-QA	Gigavac GV200-QA EV Contactor - 4000 Amps Max - 48 Volt External Economizer PWM (Relay for motor controller)	\$114.880	1	\$114.88	17-Feb-17	24-Feb-17	7 days	
7/8	TSI	Digikey	AT90CAN128-15AZCT-ND	IC MCU 8BIT 128KB FLASH 64TOFP	\$12.890	1	\$12.89	21-Feb-17	27-Feb-17	6 days	
7/8	TSI	Digikey	PA0096-ND	Breakout board to convert TQFP to DIP	\$15.790	1	\$15.79	21-Feb-17	27-Feb-17	6 days	
7/8	TSI	Digikey	MCP2551-I/P-ND	IC TRANSCEIVER CAN HI-SPD 8-DIP	\$1.050	1	\$1.05	21-Feb-17	27-Feb-17	6 days	
11	TSI	Digikey	BKCT3134-2-ND	DIY 4MM SHTH JACK-RED	\$3.000	1	\$3.00	6-Mar-17	20-Mar-17	14 days	
11	TSI	Digikey	BKCT3134-0-ND	DIY 4MM SHTH JACK-BLACK	\$3.000	2	\$6.00	6-Mar-17	20-Mar-17	14 days	
30	TSI	Mouser	600-CANOP	Interface Modules CAN OPTICAL REPEATER W/TB	\$209.000	1	\$209.00	29-Mar-17	3-Apr-17	5 days	
33	TSI	Digikey	102-3865-ND	DC/DC CONVERTER 5V 10W	\$25.820	2	\$51.64	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	102-2728-ND	CONVERT DC/DC 2W 12V 167MA OUT	\$5.710	2	\$11.42	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	1715-1676-1-ND	SWITCH PUSH SPST-NO 0.1A 42V	\$2.400	3	\$7.20	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	296-39512-1-ND	IC ANLG SW SPDT SOT23-6	\$0.980	3	\$2.94	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	296-40259-1-ND	IC GATE NAND TCH 8-INP 14-SOIC	\$2.280	3	\$6.84	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	296-4180-1-ND	SENSOR TEMPERATURE SPI SOT23-5	\$2.900	3	\$8.70	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	311-120CRCT-ND	RES SMD 120 OHM 1% 1/8W 0805	\$0.014	25	\$0.34	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	311-47_0KCRCT-ND	RES SMD 47K OHM 1% 1/8W 0805	\$0.014	25	\$0.34	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	399-1108-1-ND	CAP CER 10PF 50V NPO 0805	\$0.053	25	\$1.33	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	401-2001-ND	SWITCH SLIDE DPDT 300MA 6V	\$0.410	5	\$2.05	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	475-1278-1-ND	LED RED DIFFUSED 0805 SMD	\$0.190	10	\$1.90	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	475-1410-1-ND	LED GREEN DIFFUSED 0805 SMD	\$0.180	10	\$1.80	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	475-2560-1-ND	LED YELLOW DIFFUSED 0805 SMD	\$0.253	10	\$2.53	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	490-10515-1-ND	CAP CER 10UF 35V X5R 0805	\$0.251	10	\$2.51	30-Mar-17	5-Apr-17	6 days	

Purchases - Organized by Subsystem / Budget Category

Purchase Order	Subsystem / Budget Category	Vendor	Vendor PN	Description	Unit Price	Quantity	Total Price	Date Ordered	Date Received	S hi	Notes
33	TSI	Digikey	490-3550-1-ND	CAP CER 1UF 250V X7R 2220	\$0.850	3	\$2.55	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	490-6538-1-ND	CAP CER 47UF 16V X5R 1210	\$0.860	3	\$2.58	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	497-10252-1-ND	IC OPAMP GP 1.4MHZ RRO 8SO	\$1.540	6	\$9.24	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	497-2271-1-ND	IC COMP LP DUAL CMOS VOLT 8 SOIC	\$0.620	4	\$2.48	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	516-1445-1-ND	LED BLUE DIFFUSED 0805 SMD	\$0.693	10	\$6.93	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	516-2578-5-ND	IC OPAMP ISOLATION 100KHZ 8SO	\$5.390	4	\$21.56	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	587-1293-1-ND	CAP CER 2.2UF 16V X5R 0805	\$0.114	10	\$1.14	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	587-2004-1-ND	FIXED IND 100UH 1A 377 MOHM SMD	\$0.600	3	\$1.80	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	609-4054-ND	CONN HEADER 10POS DUAL SHRD SMD	\$1.110	2	\$2.22	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	887-1741-1-ND	CRYSTAL 10.0000MHZ 12PF SMD	\$0.660	3	\$1.98	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	A113980-ND	CONN RCPT 2POS 11.18MM PCB SLDR	\$7.130	2	\$14.26	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	AT90CAN128-16AURCT-ND	IC MCU 8BIT 128KB FLASH 64TOFP	\$7.660	3	\$22.98	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	LTC3638EMSE#PBF-ND	IC REG BUCK ADJ 0.25A 16MSOP	\$7.790	3	\$23.37	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	MCP2551-1/SN-ND	IC TRANSCEIVER CAN HI-SPD 8-SOIC	\$1.050	3	\$3.15	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	MCP6001T-1/OTCT-ND	IC OPAMP GP 1MHZ RRO SOT23-5	\$0.250	4	\$1.00	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	MCP6002T-1/SNCT-ND	IC OPAMP GP 1MHZ RRO 8SOIC	\$0.340	4	\$1.36	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	MCP6004T-1/SLCT-ND	IC OPAMP GP RRO 1MHZ 14-SOIC	\$0.450	6	\$2.70	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	MMBF170CT-ND	MOSFET N-CH 60V 500MA SOT-23	\$0.259	10	\$2.59	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P1.00KCCT-ND	RES SMD 1K OHM 1% 1/8W 0805	\$0.026	25	\$0.66	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P10.0KCCT-ND	RES SMD 10K OHM 1% 1/8W 0805	\$0.015	100	\$1.48	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P100KCCT-ND	RES SMD 100K OHM 1% 1/8W 0805	\$0.026	25	\$0.66	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P137KCCT-ND	RES SMD 137K OHM 1% 1/8W 0805	\$0.026	25	\$0.66	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P196CCT-ND	RES SMD 196 OHM 1% 1/8W 0805	\$0.026	25	\$0.66	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P2.00KCCT-ND	RES SMD 2K OHM 1% 1/8W 0805	\$0.026	25	\$0.66	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P4.75KCCT-ND	RES SMD 4.75K OHM 1% 1/8W 0805	\$0.026	25	\$0.66	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P499DACT-ND	RES SMD 499 OHM 0.1% 1/8W 0805	\$0.210	25	\$5.24	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P665KCCT-ND	RES SMD 665K OHM 1% 1/8W 0805	\$0.026	25	\$0.66	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P750KCCT-ND	RES SMD 750K OHM 1% 1/8W 0805	\$0.026	25	\$0.66	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P9.31KCCT-ND	RES SMD 9.31K OHM 1% 1/8W 0805	\$0.026	25	\$0.66	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	SK310A-LTPMSCT-ND	DIODE SCHOTTKY 100V 3A DO214AC	\$0.600	4	\$2.40	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	TLP293(GB-TPLECT-ND	OPTOISOLATOR 3.75KV TRANS 4-SO	\$0.308	25	\$7.70	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	WM14741-ND	QF50 SRD HDR VT .1AU 20POS	\$2.310	2	\$4.62	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	WM3789CT-ND	CONN MOD JACK 6P6C VERT UNSHLD	\$1.160	2	\$2.32	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	WM4128-ND	CONN HEADER 8POS .100 VERT 30AU	\$1.880	2	\$3.76	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	WM4802-ND	CONN HEADER 4POS .100 VERT GOLD	\$0.940	2	\$1.88	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	WM8632-ND	CONN HEADER 14POS 2.54MM VERT	\$2.400	2	\$4.80	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	Z5375-ND	JUMPER PLUG 3POS SING ROW	\$0.260	4	\$1.04	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	ZVP4525GCT-ND	MOSFET P-CH 250V 0.265A SOT223	\$0.710	4	\$2.84	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	LM7810ACT-ND	IC REG LDO 10V 1A TO220-3	\$0.640	4	\$2.56	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	311-150CRCT-ND	RES SMD 150 OHM 1% 1/8W 0805	\$0.010	50	\$0.52	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	399-1122-1-ND	CAP CER 100PF 50V NPO 0805	\$0.037	25	\$0.92	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P150KCCT-ND	RES SMD 150K OHM 1% 1/8W 0805	\$0.020	50	\$1.00	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P16KACT-ND	RES SMD 16K OHM 5% 1/8W 0805	\$0.014	50	\$0.68	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P24.9KCCT-ND	RES SMD 24.9K OHM 1% 1/8W 0805	\$0.020	50	\$1.00	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P249KCCT-ND	RES SMD 249K OHM 1% 1/8W 0805	\$0.020	50	\$1.00	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	P330CCT-ND	RES SMD 330 OHM 1% 1/8W 0805	\$0.026	25	\$0.66	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	350-4050-ND	LED PANEL INDICATOR RED 24V	\$6.970	3	\$20.91	30-Mar-17	5-Apr-17	6 days	
33	TSI	Digikey	350-4053-ND	LED PANEL INDICATOR GREEN 24V	\$8.940	3	\$26.82	30-Mar-17	5-Apr-17	6 days	
38	TSI	Mouser	652-PTA4432015CPB202	Slide Potentiometers 2K LINEAR	\$1.010	10	\$10.10	5-Apr-17	10-Apr-17	5 days	
38	TSI	Mouser	450-SL4514	Knobs & Dials SLIDE CNTRL GY/BK	\$1.140	2	\$2.28	5-Apr-17	10-Apr-17	5 days	
38	TSI	Mouser	629-GPB507A05BR	Pushbutton Switches Off-(On) Pushbutton Red	\$2.160	1	\$2.16	5-Apr-17	10-Apr-17	5 days	
39	TSI	McMaster-Carr	95117A433	Press-Fit Nut for Soft Metal and Plastic (pack of 50)	\$12.690	1	\$12.69	5-Apr-17	6-Apr-17	1 days	
39	TSI	McMaster-Carr	90272A145	Steel Phillips Rounded Head Screw (pack of 100)	\$1.990	1	\$1.99	5-Apr-17	6-Apr-17	1 days	
39	TSI	McMaster-Carr	94335A147	Electrical-Insulating Femal Threaded Standoff (2")	\$5.760	3	\$17.28	5-Apr-17	6-Apr-17	1 days	
39	TSI	McMaster-Carr	94335A125	Electrical-Insulating Femal Threaded Standoff (1/2")	\$3.560	10	\$35.60	5-Apr-17	6-Apr-17	1 days	
39	TSI	McMaster-Carr	8975K11	6061 Aluminum (1')	\$4.420	1	\$4.42	5-Apr-17	6-Apr-17	1 days	
39	TSI	McMaster-Carr	92095A452	1/8-8 Stainless Steel Hex Drive Rounded Head Screw M2 x 0.4 mm Thread 5 mm Long	\$6.500	1	\$6.50	5-Apr-17	6-Apr-17	1 days	
39	TSI	McMaster-Carr	8216T77	3" Made to Order Peel and Stick (set message to TSI, color Black)	\$6.880	1	\$6.88	5-Apr-17	12-Apr-17	7 days	
40	TSI	GMW Associates	BBM-01	Bus Bar Module DC Current Sensor	\$40.000	1	\$40.00	5-Apr-17	14-Apr-17	9 days	
42	TSI	Super Bright LEDs	PT-STRB-R56	Oval LED Strobe Truck and Trailer Lights - 6" LED Lights w/ Built-In Controller - 3-Pin Connector - Red	\$24.950	1	\$24.95	12-Apr-17	18-Apr-17	6 days	
42	TSI	Super Bright LEDs	M9-R4	Oval LED Truck and Trailer Lights - 4" LED Side Clearance Lights w/ 4 High Flux LEDs - Pigtail Connector - Red	\$4.950	2	\$9.90	12-Apr-17	18-Apr-17	6 days	
44	TSI	Digikey	P4.70KCCT-ND	RES SMD 4.7K OHM 1% 1/8W 0805	\$0.037	10	\$0.37	12-Apr-17	18-Apr-17	6 days	
44	TSI	Digikey	P4.87KCCT-ND	RES SMD 4.87K OHM 1% 1/8W 0805	\$0.037	10	\$0.37	12-Apr-17	18-Apr-17	6 days	
44	TSI	Digikey	P4.99KCCT-ND	RES SMD 4.99K OHM 1% 1/8W 0805	\$0.037	10	\$0.37	12-Apr-17	18-Apr-17	6 days	
44	TSI	Digikey	AKC14H-ND	CONN IDC SKT 14POS W/POL 15 GOLD	\$1.440	2	\$2.88	12-Apr-17	18-Apr-17	6 days	
44	TSI	Digikey	WM2902-ND	CONN HOUSING 4POS .100 W/LATCH	\$0.270	2	\$0.54	12-Apr-17	18-Apr-17	6 days	

Purchases - Organized by Subsystem / Budget Category

Purchase Order	Subsystem / Budget Category	Vendor	Vendor PN	Description	Unit Price	Quantity	Total Price	Date Ordered	Date Received	S hi	Notes
44	TSI	Digikey	WM2906-ND	CONN HOUSING 8POS .100 W/LATCH	\$0.480	2	\$0.96	12-Apr-17	18-Apr-17	6 days	
44	TSI	Digikey	556879-2-ND	CONN HSG PLUG 2POS 11.18MM BLACK	\$3.890	2	\$7.78	12-Apr-17	18-Apr-17	6 days	
44	TSI	Digikey	F4564-ND	FUSE HLDR CART 500V 15A IN LINE	\$6.350	2	\$12.70	12-Apr-17	18-Apr-17	6 days	
44	TSI	Digikey	F3212-ND	FUSE CERAMIC 500MA 250VAC 125VDC	\$0.899	10	\$8.99	12-Apr-17	18-Apr-17	6 days	
46	TSI	Mouser	652-PTA45532015DPB50	Slide Potentiometers 15MM SHAFT NO DET 45MM STRK SNG LIN	\$1.200	5	\$6.00	18-Apr-17	24-Apr-17	6 days	
46	TSI	Mouser	859-LTV-357T	Transistor Output Optocouplers Optocoupler Phototrans	\$0.192	10	\$1.92	18-Apr-17	24-Apr-17	6 days	
46	TSI	Mouser	594-AC05W10K00J	Wirewound Resistors - Through Hole 5watts 10kohms 5%	\$0.580	6	\$3.48	18-Apr-17	24-Apr-17	6 days	
46	TSI	Mouser	571-5568802	Power to the Board CONTACT AMPINNERGY WTB 10-12	\$0.810	6	\$4.86	18-Apr-17	24-Apr-17	6 days	
47	TSI	McMaster-Carr	74945A69	Clear Silicone Sealant, Loctite® 59530, 2.7 oz. Tube	\$5.980	1	\$5.98	18-Apr-17	20-Apr-17	2 days	
48	TSI	Home Depot	279782	3/4 in. Non-Metallic (NM) Twin-Screw Clamp Connectors (5-Pack)	\$4.210	2	\$8.42	19-Apr-17	19-Apr-17	0 days	
48	TSI	Home Depot	292514	1 in. Non-Metallic (NM) Twin-Screw Clamp Connector	\$1.610	1	\$1.61	19-Apr-17	19-Apr-17	0 days	
48	TSI	Home Depot	492405	Everbilt #8-32 x 3/4 in. Phillips Flat-Head Machine Screws (5-Pack)	\$1.180	2	\$2.36	19-Apr-17	19-Apr-17	0 days	
48	TSI	Home Depot	661872	3/8 in. Hex Bolt	\$0.200	6	\$1.20	19-Apr-17	19-Apr-17	0 days	
48	TSI	Home Depot	655449	3/8 in. Hex Nut	\$0.120	6	\$0.72	19-Apr-17	19-Apr-17	0 days	
49	TSI	Super Bright LEDs	PL-3S	Straight 3-Pin Plug for Trailer Lights and Truck Lights	\$1.490	1	\$1.49	20-Apr-17	25-Apr-17	5 days	
49	TSI	Super Bright LEDs	KC-65	PT Series Chrome Bezel with Hood	\$2.950	1	\$2.95	20-Apr-17	25-Apr-17	5 days	
51	TSI	Mouser	571-2008571-2	Pin & Socket Connectors 2 POS MICRO MNL, TOP LATCH, BL	\$0.181	10	\$1.81	21-Apr-17	26-Apr-17	5 days	
55	TSI	McMaster-Carr	7641K921	Modular DIN Rail-Mount Terminal Block, DIN 1 & 3, Standard, 5mm Width (Grey)	\$1.190	10	\$11.90	26-Apr-17	27-Apr-17	1 days	
55	TSI	McMaster-Carr	7641K925	Jumper for Standard DIN 1 & 3, 5mm Width Modular DIN Rail-Mount Terminal Block	\$8.350	3	\$25.05	26-Apr-17	27-Apr-17	1 days	
56	TSI	StickerYou		Vinyl rectangular sticker, 6" x 2.25", Removable white vinyl (glossy), pages of stickers	\$8.490	2	\$16.98	1-May-17	TBD		Total was \$17.70 but has a \$1.70 coupon was applied in shipping category. Purchased to be received before the end of the semester but will not be received by FDD
	TSI			L17_TSI_001_01 PCB Fabrication (2 masks each)	\$33.000	2	\$66.00				
1	TSV	Digikey	AT90CAN128-16AU-ND	IC MCU 8BIT 128KB FLASH 64TOFP	\$7.520	5	\$37.60	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	ADM6320CY29ARJZ-R7CT-ND	IC SUPERVISOR WATCHDOG SOT23-5	\$1.540	5	\$7.70	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	568-1074-1-ND	IC I/O EXPANDER I2C 8B 16SOIC	\$1.220	5	\$6.10	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	296-29034-1-ND	IC Monitor PWR/CURR BIDIR 10MSOP	\$3.440	5	\$17.20	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	296-38849-1-ND	IC ADC 16BIT 860SPS LP 10MSOP	\$5.650	5	\$28.25	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	LTC3638EMSE#PBF-ND	IC REG BUCK ADJ 0.25A 16MSOP	\$7.790	5	\$38.95	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	811-2109-5-ND	CONVERT DC/DC 6W 12VIN-5VOUT T/H	\$22.000	2	\$44.00	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	336-2048-5-ND	DGTL ISO 3.75KV 2CH I2C 8SOIC	\$3.370	5	\$16.85	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	NCP1117ST33T3GOSCT-ND	IC REG LDO 3.3V 1A SOT223	\$0.460	5	\$2.30	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	768-1007-1-ND	IC USB FS SERIAL UART 28-SSOP	\$4.500	5	\$22.50	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	TLP2361(V4-TPLECT-ND	OPTOISO 3.75KV PSH PULL SO6-5	\$1.140	5	\$5.70	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	A113982-ND	CONN RCPT 4POS 11.18MM PCB SLDR	\$8.300	5	\$41.50	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	WM1340-ND	CONN HEADER 2POS .100 R/A SMD	\$2.610	5	\$13.05	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	WM1344-ND	CONN HEADER 6POS .100 R/A SMD	\$4.200	5	\$21.00	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	ED2983-ND	CONN USB TYPE B R/A BLACK	\$0.546	10	\$5.46	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	182-37FE-ND	CONN D-SUB RCPT 37POS R/A SOLDER	\$3.280	3	\$9.84	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	WM3789CT-ND	CONN MOD JACK 6P6C VERT UNSHLD	\$1.160	3	\$3.48	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	RRR015P03TLCT-ND	MOSFET P-CH 30V 1.5A TSMT3	\$0.396	10	\$3.96	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	P510BZCT-ND	RES SMD 510 OHM 5% 1/4W Q603	\$0.034	100	\$3.40	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	CSNL1206FT1L00CT-ND	RES SMD 0.001 OHM 1% 1W 1206	\$0.539	10	\$5.39	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	1276-1052-1-ND	CAP CER 10UF 10V X5R 0805	\$0.074	50	\$3.68	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	1276-1854-1-ND	CAP CER 10UF 25V X5R 1210	\$0.093	100	\$9.30	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	BK-6010-ND	FUSE BLOCK BLADE PCB	\$0.494	10	\$4.94	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	SK310A-LTPMSCT-ND	DIODE SCHOTTKY 100V 3A DO214AC	\$0.328	25	\$8.21	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	PB1014-ND	RELAY GEN PURPOSE SPST 30A 5V	\$3.780	5	\$18.90	13-Feb-17	17-Feb-17	4 days	
1	TSV	Digikey	296-40579-1-ND	IC V-LEVEL XLATR FM- 12C 8VSOP	\$1.010	5	\$5.05	13-Feb-17	17-Feb-17	4 days	
11	TSV	Digikey	296-13493-1-ND	IC INVERTER DUAL 1INPUT SC70-6	\$0.464	10	\$4.64	6-Mar-17	20-Mar-17	14 days	
19	TSV	Mouser	879-1827G1-BK	Heavy Duty Power Connectors PP15/45 PREMATE HSG ONLY GRN -BULK	\$0.490	5	\$2.45	23-Mar-17	28-Mar-17	5 days	
19	TSV	Mouser	879-115G1	Heavy Duty Power Connectors PP PAK-2-4P HDWE PAK-CABLE	\$1.320	5	\$6.60	23-Mar-17	28-Mar-17	5 days	
19	TSV	Mouser	879-110G9	Heavy Duty Power Connectors SNAP-IN RECEPTACLE RETAINING PINS	\$0.200	25	\$5.00	23-Mar-17	28-Mar-17	5 days	
19	TSV	Mouser	879-1470G1	Heavy Duty Power Connectors PP PAK-2-4P HSG SNAP-IN RECEPT	\$2.940	5	\$14.70	23-Mar-17	28-Mar-17	5 days	

Purchases - Organized by Subsystem / Budget Category

Purchase Order	Subsystem / Budget Category	Vendor	Vendor PN	Description	Unit Price	Quantity	Total Price	Date Ordered	Date Received	Shi	Notes
19	TSV	Mouser	879-1460G1	Heavy Duty Power Connectors PP PAK 2-4P HSG-PLUG W/LATCH	\$2.030	3	\$6.09	23-Mar-17	28-Mar-17	5 days	
19	TSV	Mouser	636-983-037-020R121	D-Sub Backshells 37P STRAIGHT SNAP METALIZED PLASTIC	\$3.800	8	\$30.40	23-Mar-17	28-Mar-17	5 days	
20	TSV	Digikey	LT1307BCS8#PBF-ND	IC REG BOOST ADJ 0.6A 8SOIC	\$4.150	10	\$41.50	23-Mar-17	28-Mar-17	5 days	
29	TSV	McMaster-Carr	90272A087	Steel Phillips Rounded Head Screws, 2-56 Thread Size, 1-1/4" long (FOR AMS BOARD HEAT SINKS)	\$5.980	1	\$5.98	29-Mar-17	30-Mar-17	1 days	
29	TSV	McMaster-Carr	90631A003	Low-Strength Steel Nylon-Insert Locknut, Zinc-Plated, 2-56 thread size (FOR AMS BOARD HEAT SINKS)	\$3.370	1	\$3.37	29-Mar-17	30-Mar-17	1 days	
30	TSV	Mouser	567-657-10ABPE	Heat Sinks HI PERF VERT Board MTG TO220/227/218 RoHS Compliant (FOR AMS BOARD)	\$1.040	29	\$30.16	29-Mar-17	3-Apr-17	5 days	
34	TSV	DFRobot	DFR0154	I2C 20x4 Arduino LCD Display Module	\$23.000	2	\$46.00	30-Mar-17	5-Apr-17	6 days	
37	TSV	Digikey	PWR220T-20-R750F-ND	RES 0.75 OHM 20W 1% TO220	\$4.000	5	\$20.00	5-Apr-17	10-Apr-17	5 days	
37	TSV	Digikey	MBR0520LCT-ND	DIODE SCHOTTKY 20V 500MA SOD123	\$0.295	20	\$5.90	5-Apr-17	10-Apr-17	5 days	
37	TSV	Digikey	P470ACT-ND	RES SMD 470 OHM 5% 1/8W 0805	\$0.010	100	\$1.00	5-Apr-17	10-Apr-17	5 days	
37	TSV	Digikey	P100KCCT-ND	RES SMD 100K OHM 1% 1/8W 0805	\$0.020	50	\$1.00	5-Apr-17	10-Apr-17	5 days	
37	TSV	Digikey	450-2055-1-ND	SWITCH TACTILE SPST-NO 0.05A 24V	\$0.275	10	\$2.75	5-Apr-17	10-Apr-17	5 days	
37	TSV	Digikey	36-655-ND	BANANA PLUG .500" 6-32 EXT THD	\$2.045	10	\$20.45	5-Apr-17	10-Apr-17	5 days	
40	TSV	GMW Associates	BBM-01	Bus Bar Module DC Current Sensor	\$40.000	1	\$40.00	5-Apr-17	14-Apr-17	9 days	
44	TSV	Digikey	887-1741-1-ND	CRYSTAL 10.000MHZ 12PF SMD	\$0.582	15	\$8.73	12-Apr-17	18-Apr-17	6 days	
47	TSV	McMaster-Carr	8507K65	Rubber Edge Trim Standard Style 4, 100 FT	\$54.000	1	\$54.00	18-Apr-17	20-Apr-17	2 days	
47	TSV	McMaster-Carr	8216T66	Made-to-Order Peel-and-Stick Message, 1-5 Characters, 1-1/2" High, "1234"	\$4.500	1	\$4.50	18-Apr-17	26-Apr-17	8 days	
	TSV			PacMAN Fabrication (4 masks each)	\$66.000	2	\$132.00				
54	VSCADA	Amazon	B010Q588D4	SanDisk Ultra 64GB microSDXC UHS-I Card with Adapter, Grey/Red, Standard Packaging (SDSQUNC-064G-GN6MA)	\$21.990	1	\$21.99	24-Apr-17	26-Apr-17	2 days	