

Quantity	Qty*3	Adj	QtyBuy	Designator	Comment	DescSheet	VendorPartNo	Vendor	Reference	Cost/ea	Description	Manufacturer	ManufPartNo	Footprint	SubTotalBrd	BuySubTot
2	6	0	6	R6, R7	Rtrim					0	Resistor			AXIAL0.7	\$0.00	\$0.00
2	6	0	6	U14, U15	ADUM1100AR		ADUM1100AR	Arrow Electronics		4.19	Digital Isolator	Analog Devices	ADUM1100AR	SO-G8/D5	\$8.38	\$25.14
1	3	0	3	U5	UHE-5/5000-Q12		UHE-5/5000-Q12	Datel		61.90	Datel UHE DC->DC Isolated	Datel	UHE-5/5000-Q12	DATEL-UHE	\$61.90	\$185.70
1	3	0	3	U7	UHE-12/2500-D24		UHE-12/2500-D24	Datel		58.90	Datel UHE DC->DC Isolated	Datel	UHE-12/2500-D24	DATEL-UHE	\$58.90	\$176.70
1	3	0	3	B1	BR2330		P198-ND	Digi-Key	T033, 1052	2.00	Multicell Battery	Panasonic	BR2330-1HE	BR2330-BAT	\$2.00	\$6.00
2	6	0	6	C1, C2	47uF	50V	P10321-ND	Digi-Key	T033, 695	0.23	Capacitor	Panasonic	EEU-FC1H470	RAD0.1L_0.25D	\$0.46	\$1.38
2	6	0	6	C11, C32	1.0uF	10V, ceramic	399-1254-1-ND	Digi-Key	T033, 785	0.33	Capacitor	Kemet	C1206C105K4RACTU	1206	\$0.66	\$1.98
1	3	0	3	C12	150uF	10V, low ESR, tant	P11289CT-ND	Digi-Key	T033, 718	1.884	Tantalum Capacitor	Panasonic	EEJ-L1AD157R	7343pol	\$1.88	\$5.65
4	12	0	12	C13, C14, C22, C24	33uF	16V, low esr, tant	P11290CT-ND	Digi-Key	T033, 718	1.057	Capacitor	Panasonic	EEJ-L1CC336R	6032pol	\$4.23	\$12.68
1	3	0	3	C17	0.47uF	16V, ceramic	PCC1878CT-ND	Digi-Key	T033, 773	0.255	Capacitor	Panasonic	ECJ-3VB1C474K	1206	\$0.26	\$0.77
1	3	0	3	C18	47uF	16V, low ESR, tant	P11291CT-ND	Digi-Key	T033, 718	1.605	Tantalum Capacitor	Panasonic	EEJ-L1CD476R	7343pol	\$1.61	\$4.82
1	3	0	3	C23	100uF	5V, low esr, tant	P11284CT-ND	Digi-Key	T033, 718	1.196	Capacitor	Panasonic	EEJ-L0JC107R	6032pol	\$1.20	\$3.59
1	3	0	3	C25	100uF	10V, low esr, tant	P11288CT-ND	Digi-Key	T033, 718	1.688	Capacitor	Panasonic	EEJ-L1AD107R	7343pol	\$1.69	\$5.06
1	3	0	3	C26	0.001uF	10V	399-1221-1-ND	Digi-Key	T033, 785	0.132	Capacitor	Kemet	C1206C102K5RACTU	1206	\$0.13	\$0.40
1	3	0	3	C27	6.8uF	50V	399-3109-1-ND	Digi-Key	T033, 727	0.79	Capacitor	Panasonic	T491D685M050AS	7343pol	\$0.79	\$2.37
1	3	0	3	C28	10uF	10V	399-1571-1-ND	Digi-Key	T033, 726	0.32	Capacitor	Panasonic	T491C106K010AS	6032pol	\$0.32	\$0.96
6	18	0	18	C29, C33, C34, C35, C36, C37	0.1uF		399-1250-1-ND	Digi-Key	T033, 785	0.253	Capacitor	Kemet	C1206C104J5RACTU	1206	\$1.52	\$4.55
2	6	0	6	C3, C4	100uF	25V	P10269-ND	Digi-Key	T033, 694	0.23	Capacitor	Panasonic	EEU-FC1E101S	RAD0.1L_0.25D	\$0.46	\$1.38
2	6	0	6	C30, C31	15pF		399-1194-1-ND	Digi-Key	T033, 784	0.171	Capacitor	Kemet	C1206C150J5GACTU	1206	\$0.34	\$1.03
1	3	0	3	C5	0.47uF	50V	3017PH-ND	Digi-Key	T033, 736	0.348	Capacitor	BC Components	222237012474	RAD0.2_POL	\$0.35	\$1.04
1	3	0	3	C6	100pF,2kV		PCC2092CT-ND	Digi-Key	T033, 764	0.99	Capacitor	Panasonic	ECK-T3D101KB	ECK	\$0.99	\$2.97
4	12	0	12	C7, C9, C15, C19	1000uF		P10333-ND	Digi-Key	T033, 696	1.485	Capacitor	Panasonic	EEU-FC1H102	RAD0.3L_0.63D	\$5.94	\$17.82
8	24	0	24	D1, D2, D3, D4, D5, D15, D18, D19	S1G-13	1A, 400V	S1GDICT-ND	Digi-Key	T033, 578	0.288	Diode	Diodes Inc	S1G-13	SMA	\$2.30	\$6.91
2	6	0	6	D10, D14	12V Yellow, USBL Yellow		67-1664-1-ND	Digi-Key	T032, 1138	0.51	LED	Lumex	SML-LX15SYC-TR	SOT-23	\$1.02	\$3.06
2	6	0	6	D11, D13	3.3V Green, Parosci Green		67-1662-1-ND	Digi-Key	T032, 1138	0.51	LED	Lumex	SML-LX15SUGC-TR	SOT-23	\$1.02	\$3.06
1	3	0	3	D17	DW Red		67-1660-1-ND	Digi-Key	T033, 1194	0.494	LED	Lumex	SML-LX15SRC-TR	SOT-23	\$0.49	\$1.48
1	3	0	3	D6	1N5245	15V	1N5245BDICT-ND	Digi-Key	T033, 564	0.21	Zener Diode	Diodes Inc	1N5245B	DIODE0.25	\$0.21	\$0.63
2	6	0	6	D7, D16	1N5365B		2EZ36D5MSCT-ND	Digi-Key	T033, 555	0.75	Zener Diode	Microsemi	2EZ36D5	DO-201AD	\$1.50	\$4.50
1	3	0	3	D8	1N5401		1N5401DICT-ND	Digi-Key	T033, 578	0.41	Diode	Diodes Inc	1N5401-T	DO-201AD	\$0.41	\$1.23
2	6	0	6	D9, D12	5V Blue, Irid Blue		67-1668-1-ND	Digi-Key	T032, 1138	3.13	LED	Lumex	SML-LX15USBC-TR	SOT-23	\$6.26	\$18.78
1	3	0	3	F1	2A Slo-Blo	SMD soc	F1305CT-ND	Digi-Key	T033, 1066	2.63	Fuse	Littelfuse	0154002.DRT	SMF-OMNIBLOK	\$2.63	\$7.89
10	30	0	30	J1, J2, J4, J13, J14, J15, J16, J19, J20, J24	3.3V, 5.0V, ACommsDropNow	Receipt, Time Backup	WM4800-ND	Digi-Key	T033, 94	0.711	Connector, Connector C-Gr	Molex	70543-0001	CGRID2	\$7.11	\$21.33
1	3	0	3	J11	Temp		WM4803-ND	Digi-Key	T033, 94	0.882	Connector	Molex	70543-0004	CGRID5	\$0.88	\$2.65
1	3	0	3	J17	Strobe&DW		WM4808-ND	Digi-Key	T033, 94	1.67	Connector	Molex	70543-0009	CGRID10	\$1.67	\$5.01
2	6	0	6	J3, J21	PICSerOut, PTTSerOut		WM4801-ND	Digi-Key	T033, 94	0.89	Connector	Molex	70543-0002	CGRID3	\$1.78	\$5.34
2	6	0	6	J5, J6	Emerg Enable, SW-EmergEn	Plug, SPST-NC Mag Res	WM2900-ND	Digi-Key	T033, 94	0.38	Connector	Molex	50-57-9402	CGRID2	\$0.76	\$2.28
2	6	0	6	J8, J23	CurSense, WatchDog		WM4802-ND	Digi-Key	T033, 94	0.765	Connector, Connector C-Gr	Molex	70543-0003	CGRID4	\$1.53	\$4.59
2	6	0	6	K1, K2	SPDT 10V, SPDT 28V		255-1447-ND	Digi-Key	T033, 942	2.16	Nais LZ Relay SPDT	NAIS	ALZ12F24	NAIS-LZ	\$4.32	\$12.96
1	3	0	3	K3	DW DPDT	24VDC 150mW coil, 3A	PB385-ND	Digi-Key	T033, 946	1.78	P&B V23105 Relay DPDT	P&B	V23105A5005A201	DIP16	\$1.78	\$5.34
1	3	0	3	Q1	IRF3205S	RDson=8.0mOhm	IRF3205S-ND	Digi-Key	T033, 549	2.72	HexFET	International Rectifier	IRF3205S	D2PAK	\$2.72	\$8.16
2	6	0	6	R1, R2	604	0.25W	604XBK-ND	Digi-Key	T033, 807	0.108	Resistor	Yaego	MFR-25FBF-604R	AXIAL0.7	\$0.22	\$0.65
2	6	0	6	R10, R11	11K		P11.0KFCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF1102V	1206	\$0.23	\$0.70
1	3	0	3	R12	2.2K		P2.21KFCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF2211V	1206	\$0.12	\$0.35
1	3	0	3	R13	10K		P10.0KFCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF1002V	1206	\$0.12	\$0.35
1	3	0	3	R14	8.2K		P8.25KFCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF8251V	1206	\$0.12	\$0.35
2	6	0	6	R20, R21	15K		P15.0KFCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF1502V	1206	\$0.23	\$0.70
1	3	0	3	R22	26.1K	1/10W	P26.1KFCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF2612V	1206	\$0.12	\$0.35
1	3	0	3	R25	511	1%	P511FCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF5110V	1206	\$0.12	\$0.35
1	3	0	3	R26	6.81K	1%	P6.81KFCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF6811V	1206	\$0.12	\$0.35
4	12	0	12	R3, R4, R17, R19	100K		P100KFCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF1003V	1206	\$0.47	\$1.40
4	12	0	12	R5, R15, R16, R18	1M		P1.00MFCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF1004V	1206	\$0.47	\$1.40
2	6	0	6	R8, R9	3.9K		P3.92KFCT-ND	Digi-Key	T033, 801	0.117	Resistor	Panasonic	ERJ-8ENF3921V	1206	\$0.23	\$0.70
1	3	0	3	U1	LM317HVT		LM317HVT-ND	Digi-Key	T033, 446	2.79	Regulator	National Semi	LM317HVT	TO-220	\$2.79	\$8.37
1	3	0	3	U10	78ST133HC		78ST133HC-ND	Digi-Key	T033, 1102	15.38	Power Trends Switching Re	TI Power Trends	78ST133HC	PT78ST-HORIZ	\$15.38	\$46.14
1	3	0	3	U11	78HT305HC		78HT305HC-ND	Digi-Key	T033, 1103	22.50	Power Trends Switching Re	TI Power Trends	78HT305HC	PT78ST-HORIZ	\$22.50	\$67.50
1	3	0	3	U12	LT1020CN		LT1020CN-ND	Digi-Key	T033, 463	6.88	Micropower Regulator	Linear Technology	LT1020CN	DIP14	\$6.88	\$20.64
1	3	0	3	U13	XN01501		XN0150100LCT-ND	Digi-Key	T033, 529	0.41	Dual NPN Common Emitter	Panasonic	XN0150100L	SC-74A	\$0.41	\$1.23
1	3	0	3	U16	PIC16F88	Socketed	PIC16F88-I/P-ND	Digi-Key	T033, 303	4.58	PIC16F88 microcontroller D	Microchip	PIC16F88-I/P	DIP18	\$4.58	\$13.74
1	3	0	3	U17	MAX232		MAX232ACSE-ND	Digi-Key	T033, 483	5.51	MAX232 Communications C	Maxim	MAX232ACSE	SOIC-16-0.15W	\$5.51	\$16.53
1	3	0	3	U2	PT78ST112H	12V, 1.5A	PT78ST112H-ND	Digi-Key	T033, 1104	14.46	Power Trends Switching Re	TI PowerTrends	PT78ST112H	PT78ST-HORIZ	\$14.46	\$43.38
2	6	0	6	U3, U4	LTS6-NP		398-1000-ND	Digi-Key		19.20	Current Transducer	LEM	LTS6-NP	LTS6-NP	\$38.40	\$115.20
1	3	0	3	U8	DS1620S		DS1620S-ND	Digi-Key	T033, 486	6.97	DallasSemi Digital Thermo	DallasSemi	DS1620S	SOIC-8	\$6.97	\$20.91
1	3	0	3	Y1	SE2619CT-ND		SE2619CT-ND	Digi-Key	T033, 611	2.80	Crystal Oscillator	Epson Elec	MA-506 4.0960M-C0	MA-506	\$2.80	\$8.40
5	15	0	15	C8, C10, C16, C20, C21	10uF		AMP50V106-K10G			8.04	Capacitor	ITW Paktron	106K050CS4G	CAPSTICK-CS4-5	\$40.20	\$120.60
1	3	0	3	U6	NKE1209S		580-NKE1209S	Mouser	Cat616, 1032	8.33	DC->DC Isol Converter 12->	C&D Technologies	NKE1209S	NKEDCDC	\$8.33	\$24.99
1	3	0	3	U9	ST411		ST411	Novatech		0	Novatech Strobe Beacon	Novatech	ST411	ST411	\$0.00	\$0.00
2	6	0	6	J18, J22	BackupBatts, USB/LAComms		PLA04M300A1	Positronic		2.44	Positronic 4 pin connector	Positronic	PLA04M300A1	PLA04	\$40.20	\$120.60
1	3	0	3	J7	RawBus		PLC09M300A1	Positronic		4.56	Positronic 9 pin connector	Positronic	PLC09M300A1	PLC09	\$4.56	\$13.68
3	9	0	9	J9, J10, J12	5V Power, 12V Power, RawBu		PLB12M300A1	Positronic		4.68	Positronic 12 pin connector	Positronic	PLB12M300A1	PLB12	\$14.04	\$42.12