

30-Jul-2008										
eProto BOM Rev 2.4										
Number of Boards: 10										
Quantity	Part	Description	Designator	Package	Rating	Manufacturer	MFG Part Number	Vendor	Vendor Part Number	Datasheet Link
1	100pF	Cap	C5	0402	NPO 5% 50V (alternate part ->)	Cal-Chip Panasonic	GMC04CG101J50NTLF ECJ-0EC1H101J	Digi-Key	PCC101CQCT-ND	http://www.calchipelectronics.com/pdf/gmc_series.pdf http://industrial.panasonic.com/www-data/pdf/ABJ0000/ABJ0000CE1.pdf
2	0.1uF	Cap	C1, C2	0402	X7R 10% 16V (alternate part ->)	Cal-Chip Kemet	GMC04X7R104K16NT C0402C104K4RACTU	Digi-Key	399-3521-1-ND	http://www.calchipelectronics.com/pdf/gmc_series.pdf http://www.kemet.com/kemet/web/homepage/kechome.nsf/vapubfiles/F3102_X7R.pdf/\$file/F3102_X7R.pdf
3	10uF	Cap	C3, C4, C6	0805	X7R 10% 10V (alternate part ->)	Cal-Chip Murata	GMC21X7R106K10NT GRM21BR71A106KE51L	Digi-Key	490-3905-1-ND	http://www.calchipelectronics.com/pdf/gmc_series.pdf http://search.murata.co.jp/Ceramy/image/img/w_hinm/L0005E.pdf
1	MBR130	Schottky Diode	D1	SOD-123	30V 1A	ON Semiconductor	MBR130T1G	Digi-Key	MBR130T1GOSCT-ND	http://www.onsemi.com/pub/Collateral/MBR130T1-D.PDF
1	600	Ferrite Chip	FB1	0603	1000mA	Steward	MI0603J601R-10	Digi-Key	240-2371-1-ND	http://www.steward.com/web_info/CADPrints/Sales/MI0603J601R-10-A.pdf
1	DF17-30-HDR	DF17 30-pin Header 1mm Mating Height	P1			Hirose	DF17A(1.0H)-30DP-0.5V(57)			http://www.hirose.co.jp/cataloge_hp/e68300022.pdf
1	DF17-30-R	DF17 30-pin Receptacle	J1			Hirose	DF17A(3.0H)-30DS-0.5V(57)			http://www.hirose.co.jp/cataloge_hp/e68300022.pdf
1	4.7uH	Power Inductor	L1	ELL4LM	900mA 0.090 ohms	Panasonic Würth Electronics	ELL-4LM4R7N 744031004	Digi-Key Digi-Key	PCD1664CT-ND 732-1008-1-ND	http://www.panasonic.com/industrial/components/pdf/agb0000ce17.pdf http://www.we-online.com/eisos/pdf/744031004.pdf
1	GREEN LED	LED	LED1	0603	2.2V 18mcd	Lumex	SML-LX0603GW-TR	Digi-Key	67-1549-1-ND	http://www.lumex.com/pdf/SML-LX0603GW-TR.pdf
1	120	Resistor	R8	0402	5% (alternate part ->)	Cal-Chip Panasonic	RM04J121CTLF ERJ-2GEJ121X	Digi-Key	P120JCT-ND	http://www.calchipelectronics.com/pdf/rm_series.pdf http://www.panasonic.com/industrial/components/pdf/AOA0000CE1.pdf
1	1K	Resistor	R1	0402	5% (alternate part ->)	Cal-Chip Panasonic	RM04J102CTLF ERJ-2GEJ102X	Digi-Key	P1.0KJCT-ND	http://www.calchipelectronics.com/pdf/rm_series.pdf http://www.panasonic.com/industrial/components/pdf/AOA0000CE1.pdf
5	10K	Resistor	R2, R3, R4, R6, R7	0402	5% (alternate part ->)	Cal-Chip Panasonic	RM04J103CTLF ERJ-2GEJ103X	Digi-Key	P10KJCT-ND	http://www.calchipelectronics.com/pdf/rm_series.pdf http://www.panasonic.com/industrial/components/pdf/AOA0000CE1.pdf
1	324K	Resistor	R9	0402	1% (alternate part ->)	Cal-Chip Panasonic	RM04F3243CTLF ERJ-2RKF3243X	Digi-Key	P324KLCT-ND	http://www.calchipelectronics.com/pdf/rm_series.pdf http://www.panasonic.com/industrial/components/pdf/AOA0000CE1.pdf
1	1.0M	Resistor	R5	0402	1% (alternate part ->)	Cal-Chip Panasonic	RM04F1004CTLF ERJ-2RKF1004X	Digi-Key	P1.00MLCT-ND	http://www.calchipelectronics.com/pdf/rm_series.pdf http://www.panasonic.com/industrial/components/pdf/AOA0000CE1.pdf
1	74LVC138	3 to 8 Decoder	U1	TSSOP-16	1.65V to 3.6V	Texas Instruments	SN74LVC138APWR	Digi-Key	296-1223-1-ND	http://focus.ti.com/lit/ds/symlink/sn74lvc138a.pdf
1	74LVC1G04	Single Inverter	U3	SOT23-5	1.65 to 5.5V	Texas Instruments	SN74LVC1G04DBVR	Digi-Key	296-11599-1-ND	http://focus.ti.com/lit/ds/symlink/sn74lvc1g04.pdf
1	LTC3400	Synchronous Boost Converter	U4	TSOT23-6	600mA, 1.2MHz	Linear Technology	LTC3400ES6#PBF	Digi-Key	LTC3400ES6#TRMPBFC-ND	http://www.linear.com/pc/downloadDocument.do?navId=H0.C1.C1003.C1042.C1031.C1060.P2130.D3957
1	M25P05	SPI Serial Memory	U2	SO-8	65K x 8	ST Microelectronics	M25P05-AVMN6	Mouser Electronics	511-M25P05-AVMN6	http://www.st.com/stonline/books/pdf/docs/8624.pdf
1	eProto PCB	eProto PCB Rev 2.0 ROHS				Sun Microsystems	270-7766-02-00			
1	eProto Assembly	eProto Assembly Rev 2.0				Sun Microsystems	501-7766-02-00			