

Filename: REV_bom.xls						
Date: 07/23/2010						
<b>REV BOM 5770 Rev A</b>						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	.01u	Capacitor, Ceramic, 250V, [temp], [tol]	1210	Std	Vishay
1	C10	3.3uF	Capacitor, Ceramic, 100V, [temp], [tol]	1210	Std	Vishay
1	C11	.047U	Capacitor, Ceramic, 10V	0603	STD	muRata
1	C12	3.3uF?	Capacitor, Ceramic, 50V, [temp], [tol]	1210	Std	Vishay
1	C13	.1u	Capacitor, Ceramic, vvV, [temp], [tol]	0805	GRM40yyyxxxKvv	muRata
1	C14	100p	Capacitor, Ceramic, 25V, [temp], [tol]	0603	std	muRata
1	C15	.01U	Capacitor, Ceramic, 25V, [temp], [tol]	0603	std	muRata
1	C16	.01u	Capacitor, Ceramic, 10V	0603	STD	muRata
1	C17	1000P	Capacitor, Ceramic, 25V, [temp], [tol]	0603	std	muRata
2	C18, C19	.01u	Capacitor, Ceramic, 10V	0603	STD	muRata
2	C2, C3	2.2u	Capacitor, Ceramic, 100V, X7R, 20%	1210	C3225X7R2A225M	TDK
1	C20	.22U	Capacitor, Ceramic, 10V	0603	STD	muRata
1	C21	1.0U	Capacitor, Ceramic, 16V, [temp], [tol]	0805	STD	muRata
1	C22	4.7u	Capacitor, Ceramic, 16V, [temp], [tol]	0805	std	std
1	C23	1u	Capacitor, Ceramic, 16V	0603	STD	muRata
1	C4	open	Capacitor, Aluminum Electrolytic, vvV	0.197 inch	35ZL18 5X7	Rubycon
1	C5	0.47uF	Capacitor, Polyester, 250V, 10%	0.311 x 0.213 inch	ECQ-E2474KB	Panasonic
1	C6	1000pF	Capacitor, Ceramic Disc, 250WV, 1000pF, Y5U ±20%	0.236 x 0.315	ECKNVS102MB	
1	C7	0.1uF	Capacitor, Polyester, 200V, 10%	0.311 x 0.213 inch	ECQ-E2104KB	Panasonic
1	C8	0.047uF	Capacitor, Polyester, 200V, 10%	0.311 x 0.213 inch	ECQ-E2473KB	Panasonic
1	C9	3.3uF	Capacitor, Ceramic, 50V, [temp], [tol]	1210	Std	Vishay
1	D1	MURA160	Rectifier, Ultrafast Power, 200V 1A	403D	MURA120T3	On Semi
1	D10	8.2V	Diode, Zener, 8.2V, yy-mA, zz-mW, q%	SOT23	MMBZ5237BLT1	Motorola
1	D11	18V	Diode, Zener, 18V, yy-mA, zz-mW, q%	SOT23	MMBZ5248BLT1	Motorola
1	D12	15V	Diode, Zener, 12V, yy-mA, zz-mW, q%	SOT23	MMBZ5235BLT1	Motorola
3	D2, D3, D13	MURA160	Rectifier, Ultrafast Power, 600V 1A	403D	MURA160T3	On Semi
1	D4	BAS21	Diode, Switching, 200-mA, 200-V, 330-mW	SOT23	BAS21	Zetex
1	D5	RB15x	Diode, Bridge Rectifier, 1.5-A, 400-V	0.358 inch	RB154	Micro-Semi
1	D6	12V	Diode, Zener, 12V, yy-mA, zz-mW, q%	SOT23	MMBZ5242BLT1	Motorola
1	D7	13v	Diode, Zener, 13-V, yy-mA, 225-mW, q%	SOT23	MMBZ5243BLT1	ON SEMI
3	D8, D9, D14	BAS16	Diode, Switching, 150-mA, 75-V, 350mW	SOT23	BAS16	Vishay-Liteon
1	F1	1A	Fuse 1A		MCRW1A	Bussman
2	L1, L2	470u?	470uh 300ma	0.315 DIA inch	22R474C	Murata
1	Q1	FQT4N25	MOSFET, N-ch, xx-V, yy-mA, zz-milliOhms	SOT223	STD	STD

1	Q2	FMMT493	Bipolar, NPN, 100V, yy-mA, zz-W	SOT23		
1	Q3	IRF840A	MOSFET, N-ch, 500V, yy-mA, 850-milliOhms	SMD-220	STD	STD
1	Q4	MMBT3906T	Bipolar, PNP, -40V, -200mA, -200mW	SOT-523	MMBT3906T-7-F	Diodes
1	Q5	FQT1N60CTF	MOSFET, N-ch, xx-V, yy-mA, zz-milliOhms	SOT223	STD	STD
1	R1	100k	Resistor, 1/2W, yy%	1210	Std	Std
1	R10	10	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R11	30.9k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R12	3.01K	Resistor, Chip, 1/16W, x%	0603	Std	Std
4	R13, R14, R16, R17	0.75	Resistor, 1/2W, yy%	1210	Std	Std
3	R15, R18, R20	10K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R19	20K	Resistor, Chip, 1/16W, x%	0603	Std	Std
2	R2, R24	200k	Resistor, 1/4 watt, ± 5%	1206	Std	Std
2	R21	100K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R22	3.74k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R23	4.32K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R25	3.09K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R26	2k	Resistor, 1kOhms, 3W, y%	0.670 x 0.217 inch	23J1K0	Ohmite
1	R27	80.6K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R28	40.2k	Resistor, Chip, 1/16W, x%	0603	Std	Std
	R29	100k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R3	249	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R4	75k	Resistor, Chip, 8.66K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R5	51	Resistor, Chip, 10 Ohms, 3W, y%	0.670 x 0.217 inch	23J10R	Ohmite
2	R6, R7	200K	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	R8	49.9	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R9	1k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	T1	225 uH	Transformer, ±10%	1.100 x 1.150 inch	750311767	WE
7	TP1, TP2, TP4, TP5, TP6, TP8, TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP3, TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	UCC3809-2P	IC, Economy Primary-Side Controller, xx-V Startup	DGK8	UCC3809-1P	TI
1	U2	TL331DBV	IC, COMPARATOR, DIFFERENTIAL, SINGLE	SOT_23_5 (DBV)	TL331DBV	TI
Notes: 1. These assemblies are ESD sensitive, ESD precautions shall be observed.						
2. These assemblies must be clean and free from flux and all contaminants.						
Use of no clean flux is not acceptable.						

	3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.			
	4. Ref designators marked with an asterisk (***) cannot be substituted.			
	All other components can be substituted with equivalent MFG's components.			

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