



<b>Capacitors</b>	1	C1,C3,C4,C20,C23,C27	1uF	SMD0805		Any			6
	2	C2,C29	1nF	SMD0805		Any			2
	3	C5,C14,C15,C17,C21,C22,C24,C28,C31	100nF	SMD0805		Any			9
	4	C6,C8	15pF	SMD0805		Any			2
	5	C7,C10	10nF	SMD0805		Any			2
	6	C9,C11	12pF	SMD0805		Any			2
	7	C12	4.7uF	SMD1206		Any			1
	8	C16,C30	4.7uF	Tantulum SMD EIA 3216-18/Size A		Any			2
	9	C13	22nF	SMD0805		Any			1
	10	C18	200nF/630V	Leaded	Vishay/BC Components	BFC2 383 20204	Digikey	BC1857-ND	1
	11	C19	220uF/16V	Leaded	Panasonic - ECG	EEU-FC1C221	Digikey	P11199-ND	1
	12	C25	1nF/500V	Leaded	Vishay/BC Components	D102K25Y5PL63L6R	Digikey	1457PH-ND	1
	13	C26	100uF/50V	Leaded	Panasonic - ECG	ECE-A1HN101U	Digikey	P1284-ND	1
	14	C32	6.8uF/16V	Leaded	Panasonic - ECG	ECE-A1CKG6R8	Digikey	P909-ND	1
	15	C33	470uF/35V	Leaded	Nichicon	UVR1V471MPD	Digikey	493-1084-ND	1
	16	C34	47uF/50V	Leaded	Panasonic - ECG	ECA-1HM470	Digikey	P5181-ND	1
	17	C35	1000uF/16V	Leaded	Panasonic - ECG	ECA-1CM102	Digikey	P5142-ND	1
<b>Resistors</b>	1	R1,R13,R32,R36,R37	10k	SMD0805		Any			5
	2	R2	1M	SMD0805		Any			1
	3	R3,R8,R11,R17,R18,R20,R21,R27,R33,R34,R35,R42,R43,R44,R46,R47,R49	0	SMD0805		Any			17
	4	R4,R10,R14,R19	1k	SMD0805		Any			5
	5	R7	42.2k	SMD0805		Any			1

	6	R9,R15	2M	SMD0805		Any			2
	7	R12	100	SMD0805		Any			1
	8	R16	2.2k	SMD0805		Any			1
	9	R22,R41	100k	SMD0805		Any			1
	10	R23,R24,R25	261k	SMD1206		Any			3
	11	R26	475	SMD0805		Any			1
	12	R28	82, 2W	Leaded	Yageo	RSF200JB-82R	Digikey	82W-2-ND	1
	13	R29	15k	SMD0805		Any			1
	14	R30	22k	SMD0805		Any			1
	15	R31	47	SMD0805		Any			1
	16	R38	5.1	SMD0805		Any			1
	17	R39	10E, 2W	Leaded	Vishay/BC Components	PR02000201500JR500	Digikey	PPC150W-2CT-ND	1
	18	R40	8k	SMD0805		Any			1
	19	R45	27E,5W	Leaded	Vishay/BC Components	AC05000002709JAC00	Digikey	PPC5W27.0CT-ND	1
	20	R48	12K	SMD0805		Any			1
<b>Inductors</b>	1	L1	220uH	SMD	Panasonic - ECG	ELJ-FB221JF	Digikey	PCD1469CT-ND	1
	2	L2, L3	1uH	SMD	Panasonic - ECG	ELJ-FC1R0JF	Digikey	PCD1228CT-ND	2
<b>Diodes</b>	1	D1,D2,D3,D4,	DIODE GPP 1A 1000V DO41	Leaded	Fairchild Semiconductor	1N4007	Digikey	1N4007FSCT-ND	4
<b>Misc Components</b>	1	U6	Infrared Transceiver Module (SIR, 115.2 kbit/s)	SMD-8pin	Vishay Electronics	TFDU4300	Digikey	751-1073-1-ND	1
	2	U4	Micropower OMNIPOLAR HALL-Effect Sensor Switch	SC-59-3L	Diodes Inc.	AH180_SC59-3L	Digikey	AH180-WGDICT-ND	1
	3	SW1	RESET switch for micro	Leaded	TYCO ELECTRONICS	1555986	Farnell	FSM10JH	1
	4	SW2	CASE TAMPER switch	Leaded	TYCO ELECTRONICS	1555986	Farnell	FSM10JH	1
	5	SW3	LCD_PUSH switch	Leaded	TYCO ELECTRONICS	1555986	Farnell	FSM10JH	1
	6	J3	LCD Glass 18x4	22 pin connector		OPT6089A	PIE Electronics	PIE Electronics	1
	7	MOV1	SUR ABSORBER 10MM 750V 2500A ZNR	Leaded	Panasonic - ECG	ERZ-V10D751	Digikey	P7260-ND	1

	8	ROG1, ROG2	Rogowski coil, current sensor	Leaded	Pulse Electronics	PA3202NL	ELECTRIC CENTER	PA3202NL	2
	9	BT1	BATTERY LITHIUM COIN 3V W/TABS	Leaded	Panasonic - BSG	CR-2032/F4N	Digikey	P245-ND	1
	10	BT2	BATT LITH COIN 3V 23MM 50MA VERT	Leaded	Panasonic - BSG	VL-2330/VCN	Digikey	P086-ND	1
	11	Q1	TRANSISTOR NPN 45V 0.1A SOT23	SOT23	Fairchild Semiconductor	BC847BMTF	Digikey	BC847BMTFCT-ND	1
			<b>Note: -</b>						
			The term equivalent has been used where the exact part number from the mentioned vendor may not have been used.						
			Do not Mount Switch SW1, C12 and J4						
			End Of File						