

Designed by: JTA Design		Ver: 01	Code:	Parts list: Inductor Tester	Original by: JTA 23.4.2010 Updated by:
ITEM	REFERENCE	QTY	CODE	DESCRIPTION	MANUFACTURER / SUPPLIER
1	B1	1	ELFA: 74-521-47 FARNELL: 9713328	10.000 MHz CRYSTAL 16pF 50PPM HC49/HSMX	
2	C1-6 C10-12 C33	10	FARNELL: 9692487	TH EL. CAP 2200µ 50V 105C LOW ESR R7.5 D18	PANASONIC: EEUFC1H222
3	C7-8	2	ELFA: 65-749-09 FARNELL: 1414645	CER CAPACITOR 4p7 5% 50V NP0/COG 0603	
4	C9	1	FARNELL: 1414626	CER CAPACITOR 220n 20% 25V X7R 0603	
5	C13-14	2	FARNELL: 722066	CER CAPACITOR 68p 5% 50V NP0/COG 0603	
6	C15-18 C23-25	7	FARNELL: 1288255	CER CAPACITOR 100n 10% 50V X7R 0603	
7	C19-20	2	ELFA: 67-731-62 FARNELL: 1135118	TANTALUM 22µ 25V 20% 105°C D-CASE	KEMET: T495D226M025AS
8	C21-22	2	FARNELL: 1288264	CER CAPACITOR 10µ 10V X7R 1206	
9	C26 C41	2		ELKO SMD 470µ 35V D16 H17 CASE 16x17	NIC: NACZF471M35V16X17T2
10	C27 C42	2	FARNELL: 499389	CER CAPACITOR 100n 10% 50V X7R 1206	AVX: 12065C104KAT00J
11	C28-29 C32 C36 C45 C50	6	ELFA: 65-758-49 FARNELL: 722236	CER CAPACITOR 10n 10% 50V X7R 0603	
12	C30-31	2	ELFA: 65-750-62 FARNELL: 498543	CER CAPACITOR 22p 5% 50v NP0/COG 0603	
13	C34	1	ELFA: 65-757-24	CER CAPACITOR 1n 10% 50V X7R 0603	
14	C35 C38 C44 C47	4	FARNELL: 3019755	CER CAPACITOR 22n 10% 50V X7R 0603	
15	C37 C46	2	FARNELL: 317202	CER CAPACITOR 1n 5% 50V NP0/COG 0603	
16	C39 C48	2	FARNELL: 1462436	CER CAPACITOR 1µ 25V X7R 1206	
18	C43 C51	2	FARNELL: 1288206	CER CAPACITOR 10µ 25V X5R 1206	KEMET: C1206C106K3PAC
19	D1 D4	2	FARNELL: 1014114 FARNELL: 1739973	74VHC132 QUAD SCHMITT-TRIGGER 2-INPUT NAND SO14	FAIRCHILD: 74VHC132M TI: 74AHC132D
20	D2	1	FARNELL: 1014106	74VHC14 HEX SCHMITT-TRIGGER INVERTER SO14	FAIRCHILD: 74VHC14M
21	D3	1	FARNELL: 1537188	MSP430F2272 MCU 16 MHZ 32 kB FLASH 1k RAM TSSOP38	TI: MSP430F2272IDA
22	D5	1	FARNELL: 1105920	74AHC1G32 SINGLE GATE OR SOT23-5	TI: SN74AHC1G32DBVR
24	L1-2	2	ELFA: 58-104-03	POWER INDUCTOR 220µH IRMS 0.44A ISAT 0.54A	WÜRTH: 744777222 COOPER: DR73-221-R
25	N1	1	FARNELL: 1540555	AD8042 DUAL HIGHSPEED OPAMP 160 MHZ SO8	ADI: AD8042ARZ
26	N2 N6	2	FARNELL: 1325419	LM5574 ADJ STEP-DOWN REG 0.5A TSSOP16	NATIONAL: LM5574MT/NOPB
27	N3	1	FARNELL: 1080636	IR2011S HALF-BRIDGE FET DRIVER 200V SO8	IR: IRS2011SPBF
28	N4	1	FARNELL: 1469023 FARNELL: 1648658	ADJ VREG LM317 1.25...37V 1.5A SOT-223	NSC: LM317EMP/NOPB TI: LM317MDCY
29	N5	1	FARNELL: 9779671	LM2664 SWITCHED CAPACITOR VOLTAGE CONVERTER SOT23-6	NATIONAL: LM2664M6
30	R1	1	FARNELL: 9403159	RESISTOR 0R005 1% 100PPM 2W 2512	
31	R2-3 R14 R17	4	ELFA: 60-445-49 FARNELL: 9238360	RESISTOR 100R 1% 100PPM 50V 63mW 0603	
32	R4-5 R8 R11-12	5	ELFA: 60-447-88 FARNELL: 1469740	RESISTOR 1k 1% 100PPM 50V 63mW 0603	
33	R6 R10	2	FARNELL: 1170658	RESISTOR 49R9 1% 100PPM 50V 63mW 0603	

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34	R7 R9	2	ELFA: 60-443-09 FARNELL: 9238247	RESISTOR 10R 1% 100PPM 50V 63mW 0603	
35	R13	1	FARNELL: 9240969	RESISTOR 2k2 1% 100PPM 200V 250mW 1206	
36	R15	1	ELFA: 60-446-06 FARNELL: 1469762	RESISTOR 180R 1% 100PPM 50V 63mW 0603	
37	R16	1	ELFA: 60-447-21 FARNELL: 9233342	RESISTOR 560R 100PPM 50V 63mW 0603	
38	R18	1	FARNELL: 9233520	RESISTOR 15k 1% 100PPM 50V 63mW 0603	
39	R19	1	ELFA: 64-320-66	SMD TRIMMER RESISTOR 1k 20% 0.25W 200V	BI TECHNOLOGIES: 23BR1K
40	R20-21 R53 R58	4	FARNELL: 9330887	RESISTOR 24k 1% 100PPM 50V 63mW 0603	
41	R22-29	8	FARNELL: 9236724	RESISTOR 47R 1% 100PPM 200V 0.25W 1206	
42	R30-32 R45-47 R49 R51 R60	9	ELFA: 60-450-25 FARNELL: 9238603	RESISTOR 10k 1% 100PPM 50V 63mW 0603	
43	R33-44	12	ELFA: 60-452-64 FARNELL: 9238727	RESISTOR 100k 1% 100PPM 50V 63mW 0603	
44	R48	1	ELFA: 60-451-81 FARNELL: 9233580	RESISTOR 47k 1% 100PPM 50V 63mW 0603	
45	R50	1	ELFA: 60-449-60 FARNELL: 9233474	RESISTOR 5k6 1% 100PPM 50V 63mW 0603	
46	R52 R57	2	FARNELL: 1170918	RESISTOR 21k 1% 100PPM 50V 63mW 0603	
47	R54	1	ELFA: 60-447-47 FARNELL: 9238468	RESISTOR 680R 1% 100PPM 50V 63mW 0603	
48	R55	1	ELFA: 60-449-03 FARNELL: 9238549	RESISTOR 3k3 1% 100PPM 50V 63mW 0603	
49	R56 R59	2	ELFA: 60-449-29 FARNELL: 9238557	RESISTOR 3k9 1% 100PPM 50V 63mW 0603	
50	S1	1	FARNELL: 1520813	24 POSITION ROTARY ENCODER WITH DISTINCT POSITIONS WITH SWITCH	ALPS: EC12E2424407
51	S2-4	3	FARNELL: 1555991	SMD PUSH BUTTON 6x6MM	TYCO: FSM6JSMA
52	V1 V3	2		FDB3632 N-FET 100V 9mR D2PAK	FAIRCHILD: FDB3632
53	V2 V11 V24	3	FARNELL: 1467551	STPS2H100A SCHOTTKY RECTIFIER 100V 2A DO-214AC (SMA)	ST: STPS2H100A CENTRALSEMI: CMSH2-100M
54	V4 V10	2	FARNELL: 9100695 ELFA: 70-217-28	MBRS140T3 SCHOTTKY RECTIFIER 40V 1A SMB (DO-214AA)	ONSEMI: MBRS140T FAIRCHILD: MBRS140
55	V5	1	FARNELL: 8554609	SMD LED 20mA GREEN 0603	AVAGO: HSMG-C190
56	V6-9	4	ELFA: 75-044-83	7SEG DISPLAY CA 8MM GREEN HDSP-U501	AVAGO: HDSP-U501
57	V12-15	4	FARNELL: 9846298	FDN304P P-FET 25V 52mR SOT-23	
58	V16-23	8	ELFA: 71-096-55 FARNELL: 9845020	FDV303N N-FET 25V 450mR SOT-23	
59	X1-2	2		CONNECTOR PHOENIX 2 PIN MKDSN 1,5/2-5,08	PHOENIX: 1729018
60	X3-5	3	ELFA: 46-254-06 FARNELL: 1338762	BNC CONNECTOR 50 OHM PCB ANGLE	
61	X6	1		PINHEADER 7X2 R=2.54	