

Designed by: JTA Design		Ver: 1	Code:	Parts list: Timing Adapter	Original by: JTA 9.10.2009 Updated by:
ITEM	REFERENCE	QTY	CODE	DESCRIPTION	MANUFACTURER / SUPPLIER
1	B1	1	ELFA: 74-520-55	16.000 MHz CRYSTAL 16pF 50PPM HC49/4HSMX	
2	C1-2 C11 C15-17 C23-27 C38 C56	13	ELFA: 65-758-49 FARNELL: 722236	CER CAPACITOR 10n 10% 50V X7R 0603	
3	C3-4	2	ELFA: 65-751-04 FARNELL: 498555	CER CAPACITOR 33p 5% 50v NP0/COG 0603	
4	C5-10	6	ELFA: 65-612-52	EMIFILTER THRU CAP TYPE 1nF NFM21C	
5	C12-13	2	FARNELL: 7565151 ELFA: 67-726-85	TANTALUM 100µ 6.3V 20% 105°C D-CASE	AVX: NOJD107M006RWJ KEMET: T491D107M006AT
6	C14	1	FARNELL: 1288264	CER CAPACITOR 10µ 10V X7R 1206	
7	C18-22	5	FARNELL: 1288255	CER CAPACITOR 100n 10% 50V X7R 0603	
8	C28-35 C37	9	ELFA: 65-752-29 FARNELL: 1462433	CER CAPACITOR 100p 5% 50V NP0/COG 0603	
9	C36	1	FARNELL: 499353 ELFA: 65-775-63	CER CAPACITOR 10n 5% 50V X7R 1206	
10	C55	1	ELFA: 67-237-46	POSCAP 330µ 6.3V 20% 105°C D-CASE	
11	C57	1	ELFA: 67-229-79	TH EL. CAP 470µ 35V 20% 105°C LOW ESR R5 D10	
12	D1	1	FARNELL: 1649448	MSP430F249 MCU 16 MHZ 60K FLASH 2K RAM QFP64	TI: MSP430F249TPM
13	D2	1	FARNELL: 1014106	74VHC14 HEX SCHMITT-TRIGGER INVERTER SO14	FAIRCHILD: 74VHC14M
14	D3	1	DIGI-KEY: M25P128- VMF6TPCT-ND	M25P128 SPI DATAFLASH 128 MBIT SO16W	NUMONYX: M25P128-VMF6TP
15	L1-7	7	ELFA: 58-605-31 FARNELL: 1515679	CHOKES 600R @ 100 MHz 0603	
16	L9	1	FARNELL: 1635994 ELFA: 58-103-61	POWER INDUCTOR 68µH IRMS 0.87A ISAT 0.95A	WÜRTH: 744777168 COILTRONICS: DR74-680-R
17	N1	1	ELFA: 9725490 FARNELL: 73-323-31	MAX3232 RS232 TRANSCEIVER 2RX 2TX SO16	MAXIM: MAX3232CSE+ TI: MAX3232CPWG4
18	N2	1	FARNELL: 1469119	LP2951 ADJ LDO REGULATOR 1.24-29V/3.3V 100 mA SO8	NATIONAL: LP2951ACM- 3.3/NOPB
19	N8	1	ELFA: 73-068-73 FARNELL: 9489746	SIMPLE SWITCHER 260kHz STEP-DOWN REG 5V 1A SO8	NATIONAL: LM2675M- 5.0/NOPB
20	R1	1	FARNELL: 9238778 ELFA: 60-453-63	RESISTOR 270k 1% 100PPM 50V 63mW 0603	
21	R2 R31 R41	3	ELFA: 60-450-25 FARNELL: 9238603	RESISTOR 10k 1% 100PPM 50V 63mW 0603	

22	R3-7 R9	6	FARNELL: 9240942	RESISTOR 1k 1% 100PPM 200V 250mW 1206	
23	R8 R10-22 R33-40	22	ELFA: 60-448-20 FARNELL: 9233407	RESISTOR 1k5 100PPM 50V 63mW 0603	
24	R23-30	8	ELFA: 60-455-04 FARNELL: 9238840	RESISTOR 1M 1% 100PPM 50V 63mW 0603	
25	R32	1	ELFA: 60-187-58 FARNELL: 1692540	SMD JUMPER 1206	
26	V1 V3 V5 V7 V9 V11	6	FARNELL: 9556648	NPN DIGITAL TRANSISTOR R1=10k R2=10k SOT23	ONSEMI: MMUN2211LT1
27	V2 V4 V6 V8 V10 V12	6	FARNELL: 8554609	SMD LED 20mA GREEN 0603	AVAGO: HSMG-C190
28	V13	1	FARNELL: 9100695 ELFA: 70-217-28	MBRS140T3 SCHOTTKY RECTIFIER 40V 1A SMB (DO-214AA)	ONSEMI: MBRS140T FAIRCHILD: MBRS140
29	V14	1	FARNELL: 9844317	ZENER BZX84-C10 10V 300mW 5% SOT23	FAIRCHILD: BZX84C10
30	V15	1	FARNELL: 1471054	FDS4675 P-FET 40V 13mR DPAK	FAIRCHILD: FDS4675 FAIRCHILD: FDS4141
31	V16-21	6	FARNELL: 9551107	TRANSZORB SMBJ5.0A 5V 600W DO-214AA	
32	X1	1		PINHEADER 7X2 R=2.54	
33	X2	1	ELFA: 44-163-50 FARNELL: 1075161	D-CONN 9-PIN FEMALE ANGLE PCB SOLDER	
34	X3 X11	2	FARNELL: 1099257	FLATCABLE PCB STRAIGHT BOX HEADER 16PIN	
35	X4-10	7		CONNECTOR PHOENIX 2 PIN MPT 0,5/2-2,54	PHOENIX: MPT 0,5/2-2,54
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