

Designed by: JTA Design		Ver: 1	Code:	Parts list: A3979 Evaluation Board	Original by: JTA 29.7.2007 Updated by:
ITEM	REFERENCE	QTY	CODE	DESCRIPTION	MANUFACTURER / SUPPLIER
1	C11-12 C30-31 C46-47	6	FEC: 1288255	CER CAPACITOR 100n 10% 50V X7R 0603	
2	C8-9 C27-28 C43-44	6	ELFA: 65-752-29	CER CAPACITOR 100p 5% 50V NP0/C0G 0603	
3	C7 C16 C18-19 C26 C34-35 C42 C50-51	10	ELFA: 65-758-49 FEC: 722236	CER CAPACITOR 10n 10% 50V X7R 0603	
4	C3-6 C22-25 C38-41	12	ELFA: 65-757-24	CER CAPACITOR 1n 10% 50V X7R 0603	
5	C1-2 C10 C20-21 C29 C36-37 C45	9	ELFA: 65-777-04	CER CAPACITOR 220n 10% 50V X7R 1206	
6	C13-14 C32-33 C48-49	6	ELFA: 67-229-87	TH EL. CAP 1000U 35V 20% 105C 12.5x25 R5	NICHICON: UHD1V102MHD SANYO: 35MV1000WX
7	C17	1	ELFA: 67-229-46 FEC: 8126585	TH EL. CAP 100u 35V 8X12 105C LOW ESR LONG LIFE R3.5	Nichicon: UPL1V101MPH Nic: NRSZ101M35V8X11.5 Elna: RJB-35V101MG3
8	C15	1	ELFA: 67-237-46	POSCAP 330U 6.3V 20% 105C D-CASE	
9	X3	1		CONNECTOR PHOENIX 2 PIN MCV1.5/2-G-3.81	PHOENIX: MCV1.5/2-G-3.81
10	X1 X4 X6	3		CONNECTOR PHOENIX 4 PIN MCV1.5/4-G-3.81	PHOENIX: MCV1.5/4-G-3.81
12	X8	1	FEC: 1338756	D-CONN 25-PIN MALE ANGLE PCB SOLDER	
12	X12	1		PINHEADER 12 R=2.54	
11	X9-11	3		PINHEADER 3X2 R=2.54	
14	X2 X5 X7	3		PINHEADER 5X2 R=2.54	
15	V1	1	FEC: 3939960	MBRS140T3 SCHOTTKY RECTIFIER 40V 1A SMB (DO-214AA)	ONSEMI: MBRS140T FAIRCHILD: MBRS140
16	V3	1	ELFA: 70-300-42 FEC: 1081431	ZENER BZX84-C5V6 5.6V 300mW 5% SOT23	BZX84-C5V6
17	V2	1	FEC: 984-5224	FDS5670 N-FET 60V 17mR SO8	FAIRCHILD: FDS5670
18	L5	1		POWER INDUCTOR 68uH IRMS 0.87A ISAT 0.95A	WURTH: 744777168
19	L1-4 L6-13	12	FEC: 1308793	CHOKE 600R @ 100MHz 2.5A 1206	
20	N3	1	ELFA: 69-011-69	TSM0505S ISOLATED SMD 1W DC/DC-CONVERTER 5V IN 5V 200 mA OUT	TRACO: TSM0505S
21	D1-3	3	FEC: 1226210	ADuM1300B 3-CHANNEL DIGITAL ISOLATOR 10MBPS SO16	ADI: ADuM1300BRWZ
22	N2	1	ELFA: 73-068-73 FEC: 9489746	SIMPLE SWITCHER 260kHz STEP-DOWN REG 5V 1A SO8	NATIONAL: LM2675M-5.0/NOPB
23	N1 N4-5	3	FEC: 1268585	A3979 DMOS MICROSTEPPING DRIVER WITH TRANSLATOR TSSOP28-EP	ALLEGROMICRO: A3979SLP-T
24	R1-2 R11-12 R39-40	6	FEC: 1107408	RESISTOR 0R2 1% 300PPM 200V 1W 2512	
25	R9-10 R13 R15-16 R21-23 R29-32 R36-38 R47-50 R54-56	22	ELFA: 60-450-25 FEC: 9238603	RESISTOR 10k 1% 100PPM 50V 63mW 0603	
26	R3-4 R14 R24 R41-42	6	ELFA: 60-450-41 FEC: 9238611	RESISTOR 12k 1% 100PPM 50V 63mW 0603	
27	R17	1	ELFA: 60-455-04 FEC: 9238840	RESISTOR 1M 1% 100PPM 50V 63mW 0603	
28	R5-6 R25-26 R43-44	6	ELFA: 60-446-22 FEC: 9238409	RESISTOR 220R 1% 100PPM 50V 63mW 0603	
29	R8 R28 R46	3	ELFA: 60-446-97 FEC: 9331182	RESISTOR 430R 1% 100PPM 50V 63mW 0603	

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30	R19 R34 R52	3	ELFA: 60-447-05 FEC: 9238441	RESISTOR 470R 1% 100PPM 50V 63mW 0603	
31	R20 R35 R53	3	ELFA: 60-447-70 FEC: 9331603	RESISTOR 910R 1% 100PPM 50V 63mW 0603	
32	R7 R18 R27 R33 R45 R51	6	ELFA: 64-320-66	SMD TRIMMER RESISTOR 1k 20% 0.25W 200V	BI TECHNOLOGIES: 23BR1K
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