

Designed by: JTA Design		Ver: 01	Code:	Parts list: Parallel port breakout board with FPGA	Original by: JTA 30.1.2010 Updated by: JTA 1.7.2011
ITEM	REFERENCE	QTY	CODE	DESCRIPTION	MANUFACTURER / SUPPLIER
1	C1-8 C11 C13-22 C31 C44-60 C66 C80	39	ELFA: 65-758-49 FARNELL: 722236	CER CAPACITOR 10n 10% 50V X7R 0603	
2	C9-10	2	FARNELL: 1358552	CER CAPACITOR 100µ 20% 6.3V X5R/X7R 1206	
3	C12 C23-30 C32-42	20	ELFA: 65-752-29 FARNELL: 1462433	CER CAPACITOR 100p 5% 50V NP0/C0G 0603	
4	C43	1	ELFA: 67-229-79	TH EL. CAP 470µ 35V 20% 105°C LOW ESR R5 D10	
5	C61-63 C65 C77 C79	6	FARNELL: 1288264	CER CAPACITOR 10µ 10V X7R 1206	
6	C64	1	FARNELL: 8819947	CER CAPACITOR 2n2 5% 50V NP0/C0G 0603	
7	C67-71	5	FARNELL: 1216463	CER CAPACITOR 1n 10% 1kV X7R 1206	
8	C78	1	FARNELL: 3019652	CER CAPACITOR 820p 10% 50V X7R 0603	
9	D1	1		EP2C8 ALTERA CYCLONE II FPGA 8K LE SPEEDGRADE 7 TQFP144	ALTERA: EP2C8T144C7N
10	D2-4 D6-7	5	FARNELL: 1226218	ADuM1400B 4-CHANNEL DIGITAL ISOLATOR 10MBPS SO16	ADI: ADuM1400BRWZ
11	D5	1	ELFA: 73-895-96 FARNELL: 1453496	EPCS4 ALTERA FPGA ACTIVE SERIAL CFG MEM 4MBIT SO8	ALTERA: EPCS4SI8N
12	D8	1	FARNELL: 1567127	SN74CB3T16210 20 BIT FET BUS SWITCH TSSOP48	TI: SN74CB3T16210DGG
13	G1	1	FARNELL: 1640948	CRYSTAL OSCILLATOR 25.000 MHz 50PPM 3.3V SMD 5x7mm	
14	L1-3	3	ELFA: 58-605-31 FARNELL: 1515679	CHOKER 600R @ 100 MHz 0603	
15	N2-3	2	ELFA: 69-565-44 FARNELL: 1007532	ISOLATED DCDC-CONVERTER 24V IN 5 V 200 mA OUT	TRACOPOWER: TMA 2405S
16	N12 N17	2	FARNELL: 1286784	LP3878-ADJ CERCAP STABLE ADJUSTABLE LDO REGULATOR 800 mA PSOP-8	NATIONAL: LP3878MR-ADJ/NOPB
17	R1 R15-22	9	ELFA: 60-444-24 FARNELL: 9238301	RESISTOR 33R 1% 100PPM 50V 63mW 0603	
18	R2-3	2	FARNELL: 9241230 ELFA: 60-405-70	RESISTOR 4X470R 5% 200PPM 50V 63mW 1206	
19	R4 R113	2	ELFA: 60-449-03 FARNELL: 9238549	RESISTOR 3k3 1% 100PPM 50V 63mW 0603	
20	R5	1	ELFA: 60-451-40 FARNELL: 9238662	RESISTOR 33k 1% 100PPM 50V 63mW 0603	
21	R6	1	ELFA: 60-448-20 FARNELL: 9233407	RESISTOR 1k5 100PPM 50V 63mW 0603	
22	R7-10 R23-25 R41	8	ELFA: 60-449-45 FARNELL: 9238565	RESISTOR 4k7 1% 100PPM 50V 63mW 0603	
23	R11-14	4	ELFA: 60-447-05 FARNELL: 9238441	RESISTOR 470R 1% 100PPM 50V 63mW 0603	
24	R26-30	5	FARNELL: 9241167 ELFA: 60-404-30	RESISTOR 4X33R 5% 200PPM 50V 63mW 1206	
25	R31 R67-69 R72	5	ELFA: 60-450-25 FARNELL: 9238603	RESISTOR 10k 1% 100PPM 50V 63mW 0603	
26	R32	1	ELFA: 60-455-04 FARNELL: 9238840	RESISTOR 1M 1% 100PPM 50V 63mW 0603	
27	R33-34	2	FARNELL: 9240969	RESISTOR 2k2 1% 100PPM 200V 250mW 1206	
28	R35-40	6	ELFA: 60-193-19 FARNELL: 1653073	RESISTOR 180R 1% 100PPM 200V 250mW 1206	

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29	R42 R70-71	3	ELFA: 60-447-88 FARNELL: 1469740	RESISTOR 1k 1% 100PPM 50V 63mW 0603	
30	R43-44	2	FARNELL: 9240870	RESISTOR 1M 1% 100PPM 200V 250mW 1206	
31	R112	1	ELFA: 60-447-47 FARNELL: 9238468	RESISTOR 680R 1% 100PPM 50V 63mW 0603	
32	V1	1	FARNELL: 1471054	FDS4675 P-FET 40V 13mR SO8	FAIRCHILD: FDS4675 FAIRCHILD: FDS4141
33	V2	1	FARNELL: 9844317	ZENER BZX84-C10 10V 300mW 5% SOT23	FAIRCHILD: BZX84C10
34	X1	1	FARNELL: 1338756	D-CONN 25-PIN MALE ANGLE PCB SOLDER	
35	X2 X13	2		PINHEADER 5X2 R=2.54	
36	X3-7	5	FARNELL: 3041438	CONNECTOR PHOENIX 8 PIN MPT 0,5/8-2,54	PHOENIX: 1725711
37	X8	1	FARNELL: 3041359	CONNECTOR PHOENIX 2 PIN MPT 0,5/2-2,54	PHOENIX: 1725656
38	X9-12	4		PINHEADER 2	
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