

Designed by: <b>JTA Design</b>		Ver: <b>02</b>	Code:	Parts list: <b>DCX2496 digital input and SRC fix</b>	Original by: JTA 13.2.2011 Updated by:
ITEM	REFERENCE	QTY	CODE	DESCRIPTION	MANUFACTURER / SUPPLIER
1	C1 C18 C21-23	5	ELFA: 65-758-49 FARNELL: 722236	CER CAPACITOR 10n 10% 50V X7R 0603	
2	C2-3	2	FARNELL: 1672462	TANTALUM 15µ 6.3V 20% 105C A-CASE	AVX: TRJA156K006R
3	C4 C7-14 C17 C19	11	FARNELL: 1288255	CER CAPACITOR 100n 10% 50V X7R 0603	
4	C5 C20 C25 C27-29 C68	7	FARNELL: 1288264	CER CAPACITOR 10µ 10V X7R 1206	
5	C6	1		TH POLYESTER CAPACITOR 1µ 10% 63V R5	
6	C15-16	2	ELFA: 65-751-04 FARNELL: 498555	CER CAPACITOR 33p 5% 50v NP0/COG 0603	
7	C30	1	FARNELL: 1216463	CER CAPACITOR 1n 10% 1kV X7R 1206	
8	D1	1	FARNELL: 1649414 MOUSER: 595-MSP430F2131IPW DIGI-KEY: 296-18118-1-ND	MSP430F2131 MCU 16 MHZ 8 KB FLASH 256 B RAM TSSOP20	TI: MSP430F2131IPW
9	D2	1	FARNELL: 8408335 DIGI-KEY: 296-9436-1-ND MOUSER: 595-CDCV304PWR	CDCV304 200MHz QUAD OUTPUT CLOCK BUFFER TSSOP8	TI: CDCV304PW
10	D4	1	MOUSER: 595-SRC4392IPFB FARNELL: 1624400 DIGI-KEY: 296-19740-1-ND	SRC4392 ASYNC SAMPLE RATE CONVERTER WITH SPDIF RECEIVER TQFP48	TI: SRC4392IPFBT
12	G1	1	MOUSER: 549-C3391-24.576	CRYSTAL OSCILLATOR 24.576 MHz 25PPM LOW JITTER 3.3V SMD	CRYSTEK: C3391-24.576
14	L1 L3-6	5	ELFA: 58-605-31 FARNELL: 1515679	CHOKE 600R @ 100 MHz 0603	
15	L2	1	FARNELL: 1308793	CHOKE 600R @ 100MHz 2.5A 1206	
16	N2	1	MOUSER: 595-TPS70851PWP	TPS70851 DUAL LDO REGULATOR 3.3V/1.8V 250/125 mA TSSOP20-EP	TI: TPS70851PWP
17	R1-3 R5 R27 R29-30 R63	8	ELFA: 60-450-25 FARNELL: 9238603	RESISTOR 10k 1% 100PPM 50V 63mW 0603	
18	R4 R6 R54-57 R82	7	ELFA: 60-444-24 FARNELL: 9238301	RESISTOR 33R 1% 100PPM 50V 63mW 0603	
19	R7-8	2	ELFA: 60-452-64 FARNELL: 9238727	RESISTOR 100k 1% 100PPM 50V 63mW 0603	
20	R9	1	ELFA: 60-447-88 FARNELL: 1469740	RESISTOR 1k 1% 100PPM 50V 63mW 0603	
21	R28	1	ELFA: 60-445-15 FARNELL: 1469838	RESISTOR 75R 1% 100PPM 50V 63mW 0603	
22	R31-34	4	FARNELL: 9240969	RESISTOR 2k2 1% 100PPM 200V 250mW 1206	
23	R66	1	FARNELL: 9240870	RESISTOR 1M 1% 100PPM 200V 250mW 1206	
24	T1	1	MOUSER: 673-PE-65812NL	SMD SPDIF INTERFACE TRANSFORMER 1:1	PULSE: PE-65812-NL
25	V1	1	ELFA: 70-405-38 FARNELL: 9886168	TRANSZORB BIDIR SMBJ18CA 18V 600W DO-214AA	FAIRCHILD: SMBJ18CA ST: SM6T18CA
26	V2-4	3	MOUSER: 757-TORX147LF,T	TORX147 TOSLINK SPDIF OPTICAL RECEIVER MODULE	TOSHIBA: TORX147
27	V5-6	2	FARNELL: 1471012	MOC207 OPTOCOUPLER CTR=100...200% SO8	FAIRCHILD: MOC207-M
28	V7-8	2	ELFA: 70-300-75 FARNELL: 9843612	DIODE DUAL BAV99 75V 215mA SOT23	
29	V9	1	FARNELL: 8554609	SMD LED 20mA GREEN 0603	AVAGO: HSMG-C190

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30	X1	1	FARNELL: 1298785 FARNELL: 1106832 YEOY: FAP10-08-4-2 OAF	FLATCABLE CONNECTOR 10 PIN	TYCO: 1761603-3 HARTING: 09185106324
31	X2	1	ELFA: 46-254-14 FARNELL: 1831679 DIGI-KEY: A32403-ND	BNC CONNECTOR 75 OHM PCB ANGLE	TYCO: 413194-2 TYCO: 5413194-2
32	X3	1		CONNECTOR PHOENIX 4 PIN MPT 0,5/4-2,54	PHOENIX: MPT 0,5/4-2,54 WÜRTH: 691 210 910 004
33	X4	1	FARNELL: 1248990 MOUSER: 523-132134	SMA CONNECTOR 50 OHM PCB VERTICAL	
34	X5	1	FARNELL: 3041359	CONNECTOR PHOENIX 2 PIN MPT 0,5/2-2,54	PHOENIX: 1725656 WÜRTH: 691 210 910 002
35	X6	1		PINHEADER 7X2 R=2.54	
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