

Bill Of Materials for Serial reader.sch on Wed Jan 02 09:12:23 2008

Item	Qty	Reference	Part Name	Manufacturer	Description
1	1	C10	1000UF-35V-RUB	Rubycon	1000uF 35VLow impedance 105C
			YCON-YXF,		
			1000uF		
2	15	C3 C5-7	100NF_50VDC_10	Philips	100nF 50VDC X7R 1208
		C11-15	%_X7R_0805		
		C19 C24			
		C37			
		C40-42			
3	1	C16	100NF_50VDC_10	Philips	100nF 50VDC X7R 1208
			%_X7R_0805,		
			100nF		
4	1	C39	100PF_100VDC_5	yageo	100pF 100VDC NP0/COG 0805
			%_NP0_0805,		
			100pF		
5	1	C38	100PF_100VDC_5	yageo	100pF 100VDC NP0/COG 0805
			%_NP0_0805,		
			100pF, 2%, 5%		
6	1	C8	220UF_6V_20%_	EVX	220uF 63V 20% SMD D-case
			SMD_D-CASE,		
			220uF, 20%		
7	1	C9	10NF_100VDC_10	yageo	10nF 100VDC X7R 0805
			%_X7R_0805		
8	3	C25	10NF_100VDC_NP	phycomp/yageo	10nF 100VDC NP0 1210 case
		C33-34	0_1210, 10nF,		
			2%, 5%		
9	1	J2	10POL-MALE-1 SP		
10	1	C18	10UF_35V_20%_S	SIEMENS	10uF 35V 20% SMD D-case
			MD_D-CASE,		
			10uF, 20%		

11	1	C17	1NF-50VDC-NPO- Murata	1nF 50VDC NPO 1%
			0805, 1nF, 1%	
12	2	C22 C35	1NF_100VDC_NPO phycomp/yageo	1nF 100VDC NPO 0805 case
			_0805, 1nF, 2%,	
			5%	
13	1	C36	2. 2UF_16VDC_10 murata	2. 2uF 16VDC 5 % X7R 1206
			-20%_X7R_1206	
14	1	C43	2. 2UF_16VDC_10 murata	2. 2uF 16VDC 5 % X7R 1206
			-20%_X7R_1206,	
			2. 2uF, 10%	
15	1	C4	2. 2UF_35V_10%_ EPCOS	2. 2uF 35V 10% SMD B-case
			SMD_B-CASE,	
			2. 2uF, 10%	
16	4	C26-29	220PF-50VDC-NP Murata	220pF 50VDC NPO 1%
			0-0805, 220pF,	
			1%	
17	4	C1-2	22PF-50VDC-NPO Murata	22pF 50VDC NPO 1%
		C20-21	-0805, 22pF, 1%	
18	1	C23	22PF_100VDC_5% yageo	22pF 100VDC NPO/COG 0805
			_NPO_0805,	
			22pF, 1%	
19	1	U11	AD8527ARZ	ANALOG DEVICES DUAL OPERATIONAL AMPLIFIER 5V
				supply
20	1	U3	ADM202ARZ	Analog Devices
21	1	U1	ATMEGA32-16AU	ATMEL
				AVR RISC - 32Kbyte 16MHz
22	4	D12-15	BAT54S	Philips
				series dual schottky diode
23	1	U8	CF45538NSRG4	TI
				Tiris RF-module
24	1	J1	CON-SIP-8P	
100				GENERIC 8 PIN SIP HEADER
				CENTERS
25	1	J4	DSUB-9POL-HUN-	
			90GRADER	
				DSUB-9 pole female 90
				degrees.
26	1	Y2	ESB17. 1776F30M	
			55F, 17. 1776MHz	
			30pF, +/-50ppm	

BillOfMaterials-serielle-reader.txt

27	1	Y1	ESB8.0000F30M5		ESB8.0000F30M55F
			5F, 8.0000MHz		
			30pF, +/-50ppm		
28	1	U7	FDS8958A	Fairchild	Complementary mosfets
				Semiconductor	
29	2	J18-19	FIDUCIAL-60MIL		
30	2	J14-15	JUMP-2POL		2 pol jumper block
31	4	J10-13	JUMP-3POL		3 pol jumper block
32	1	U2	LM2674M-5.0	national	SIMPLE SWITCHER STEP-DOWN
					VOLTAGE REGULATOR
33	1	U14	LM317S	MOTOROLA	POSITIVE VOLTAGE REGULATOR;
					ADJUSTABLE
34	1	D3	LTST-C170CKT	Agilent	SMD 0805 size LED
35	1	D5	LTST-C170GKT	Agilent	SMD 0805 size LED
36	1	D2	LTST-C170YKT	Agilent	SMD 0805 size LED
37	8	L2-9	MLS1206-4S7-10	FERROXCUBE	SMD ferrit bead, Z=1k@50MHz
			2		
38	1	J16	MOLEX6410-2	Molex	Molex 6410 2 Pin center
					header
39	1	J3	MOLEX6410-3	Molex	Molex 6410 3Pin center
header					
40	6	J5-9 J17	MTHOLE-130/300		
41	2	J20-21	MTHOLE_3MM-NON		
			PLATE		
42	2	R32-33	RES0805-100K-5	IPC SM-782	MILSPEC 0805 BODY FOR
			%, 100K	STD.	RESISTOR
43	2	R15 R43	RES0805-100R-5	IPC SM-782	MILSPEC 0805 BODY FOR
			%, 100R	STD.	RESISTOR
44	2	R30-31	RES0805-10K-1%	IPC SM-782	MILSPEC 0805 BODY FOR
			, 10K	STD.	RESISTOR
45	1	R42	RES0805-10R-5%	IPC SM-782	MILSPEC 0805 BODY FOR
			, 10R	STD.	RESISTOR
46	5	R2 R4 R28	RES0805-1K-1%,	IPC SM-782	MILSPEC 0805 BODY FOR
		R34 R41	1K	STD.	RESISTOR
47	4	R36-39	RES0805-1K2-5%	IPC SM-782	MILSPEC 0805 BODY FOR

			, 1K2	STD.	RESISTOR
48	5	R16 R40	RES0805-1K8-5%	IPC SM-782	MILSPEC 0805 BODY FOR
		R45-47	, 1K8	STD.	RESISTOR
49	1	R29	RES0805-1M-5%,	IPC SM-782	MILSPEC 0805 BODY FOR
			1M	STD.	RESISTOR
50	2	R26-27	RES0805-220R-5%	IPC SM-782	MILSPEC 0805 BODY FOR
			%, 220R	STD.	RESISTOR
51	2	R1 R35	RES0805-22K-5%	IPC SM-782	MILSPEC 0805 BODY FOR
			, 22K	STD.	RESISTOR
52	3	R3 R5 R44	RES0805-2K7-5%	IPC SM-782	MILSPEC 0805 BODY FOR
			, 2K7	STD.	RESISTOR
53	3	R12-14	RES0805-330R-5%	IPC SM-782	MILSPEC 0805 BODY FOR
			%, 330R	STD.	RESISTOR
54	5	R22-25	RES1218-22R-5%	IPC SM-782	RES1218
		R50	, 22R	STD.	
55	1	L1	SLF7045T-680MR	TDK	TDK power inductor 68uH
6Amp			60PF		
56	1	D4	SMBJC33A	Fairchild	Transient voltage suppressors
				Semiconductor	
57	7	D1 D6-11	SS14	General	Surface mount Schottky
				Semiconductor	Barrier Rectifier 40V/1A
