

# Bill of Materials: Teabox

## Electrotap

Rev. K

2004/07/23

**Note: We will provide to you parts highlighted in BLUE**  
**Note: Do NOT purchase or place parts highlighted in RED**

Item	Supplier	Part #	Qty	Description	Package / Footprint	Reference Designator ELB-TB-01 (Teabox Board)
1	Kemet*	C0603C103K5RACTU	4	Capacitor, .01uF	C-0603	C13, C23, C24, C25
2	Kemet*	C0603C103K5RACTU	0	Capacitor, .01uF	C-0603	C11
3	Kemet*	C0805C104J5RACTU	7	Capacitor, .1uF	C-0805	C3, C8, C15, C18, C20, C26, C27
4	Kemet*	C0805C220J5GACTU	0	Capacitor, 22pF	C-0805	C12
5	Kemet*	C0603C102J5RACTU	4	Capacitor, 1000pF	C-0603	C14, C16, C19, C21
6	Kemet*	C0603C102J5RACTU	0	Capacitor, 1000pF	C-0603	C10
7	Panasonic*	ECJ-1VB1H392K	0	Capacitor, 3900pF	C-0603	C28, C29, C30, C31, C32, C33, C34, C35
8	TDK*	C3216X5R1C106M	4	Capacitor, 10uF/16V/X5R	C-1206	C1, C2, C5, C6
9	Kemet*	T491B106K010AS	1	Capacitor, 10uF/10V, Tantalum	B (EIA) 3528-21	C4
10	Kemet*	T491A105M016AS	3	Capacitor, 1uF/16V, Tantalum	A (EIA) 3216-18	C7, C17, C22
11	Kemet*	T491A105M016AS	0	Capacitor, 1uF/16V, Tantalum	A (EIA) 3216-18	C9
12	Micro Commercial*	1N4001	4	Diode	Thru-Hole, Axial	D1, D2, D3, D4
13	CUI	PJ-002A-SMT	1	Connector, Power, 2.1mm	SMD, 4-pin	9VDC
14	CUI	RCJ-041	1	Connector, RCA	Thru-Hole, 2-pin	J5
15	Toshiba	TOTX179p	1	Connector, TOSLINK	Thru-Hole, 5-pin	OX2
16	Neutrik	NCJ6FI-H	4	Connector, XLR/Phono Combo	Thru-Hole, 7-pin	J1, J2, J3, J4

17	Amp	520470-3	6	Telephone Jack, 6 Conductor	Thru-Hole, 6-pin	J6, J7, J8, J9, J10, J11
18	Phoenix Contact	1935187	1	Terminal Block, 4 Connections	Thru-Hole, 4-pin	J12
19	Samtec	SSW-108-02-G-T-RA	1	Header, 24-pin (3x8), Right Angle	Thru-Hole, 24-pin	SV4
20	Samtec	TSW-103-07-G-S	0	Header, 3-pin, male, 0.1" spacing	Thru-Hole, 3-pin	SV1, SV2
21	Samtec	TSW-107-07-G-D	1	Header, 14-pin(2x7), male, 0.1" spacing, gold contacts	Thru-Hole, 7-pin	SV3
22	Cherry	LRA32H2FBBNN	0	Switch, On-Off	SEE SPECIAL INSTRUCTIONS	S3
23	Texas Instruments	CDC337	1	IC, Clock Divider	Wide SOIC, 20-pin	U3
24	Lumex*	SSL-LX3044GC	1	LED, 3mm, green	Thru-Hole, Radial	LED2
25	Texas Instruments	MSP430F149IPAG (or <b>MSP430F149IPM</b> )	1	Microcontroller	TQFP, 64-pin	MSP430
26	Analog Devices	AD8608AR	2	Op-Amp, Quad	SOIC, 14-pin	U5, U6
27	ComClok	CX21AH-11.2896	1	Oscillator, 11.2896 MHz	Thru-Hole, XO-8	QG2
28	ComClok	CX21AH-12.288	0	Oscillator, 12.288 MHz	Thru-Hole, XO-8	QG1
29	Linear Tech	LT1763CS8-3.3	1	Power Regulator, 3.3V, 500ma	SOIC, 8-pin	U4
30	Linear Tech	LT1763CS8-5	1	Power Regulator, 5V, 500ma	SOIC, 8-pin	U2
31	Yageo*	9C08052A0R00JLHFT	4	Resistor, 0 ohm, 5%, 1/8 W	R-0805	R26, R30, R66, R67
32	Yageo*	9C08052A1000FKHFT	3	Resistor, 100 ohm, 1%, 1/8 W	R-0805	R7, R8, R9
33	Yageo*	9C08052A1003FKHFT	3	Resistor, 100K ohm, 1%, 1/8 W	R-0805	R13, R27, R28

34	Yageo*	9C06031A1002FKHFT	32	Resistor, 10K ohm, 1%, 1/8 W	R-0603	R6, R11, R14, R15, R18, R19, R20, R21, R22, R23, R29, R31, R32, R34, R35, R36, R37, R38, R39, R40, R41, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79
35	Yageo*	9C08052A1002FKHFT	0	Resistor, 10K ohm, 1%, 1/8 W	R-0603	R33
36	Yageo*	9C08052A1202FKHFT	8	Resistor, 11.3K ohm, 1%, 1/8 W	R-0805	R42, R43, R44, R45, R46, R47, R48, R49
37	Yageo*	9C08052A1602FKHFT	8	Resistor, 16K ohm, 1%, 1/8 W	R-0805	R58, R59, R60, R61, R62, R63, R64, R65
38	Yageo*	9C08052A1001FKHFT	3	Resistor, 1K ohm, 1%, 1/8 W	R-0805	R1, R2, R25
39	Yageo*	9C08052A3480FKHFT	1	Resistor, 348 ohm, 1%, 1/8 W	R-0805	R12
40	Yageo*	9C08052A47R0FKHFT	2	Resistor, 47 ohm, 1%, 1/8 W	R-0805	R3, R4
41	Yageo*	9C08052A5600FKHFT	1	Resistor, 560 ohm, 1%, 1/8 W	R-0805	R24
42	Yageo*	9C08052A8251FKHFT	8	Resistor, 8.25K ohm, 1%, 1/8 W	R-0805	R50, R51, R52, R53, R54, R55, R56, R57
43	Panasonic*	Exb-2HV682JV	2	Resistor Array, 6.8K, 8x0402		R16, R17
44	Panasonic*	Exb-2HV333JV	0	Resistor Array, 33K, 4x0603		R10, R68
45	Yageo*	9C08052A90R9FKHFT	1	Resistor, 90.9 ohm, 1%, 1/8 W	R-0805	R5
46	Lumex*	SML-LX1206GW-TR	1	LED (Status)	LED-1206	LED1
47	E-Switch	EG2211	0	Switch, electrical	Thru-Hole, 6-pin	S2
48	Maxim	MAX4544CUA	0	Switch, SPDT, Digitally- Controlled	µMAX, 8-pin	S1
49	Tacna (Schott)	37246	0	Transformer, Digital Audio	SMD, 8-pin	T1
50	Cirrus	CS8405A-CS	1	Transmitter, Digital Audio	Wide SOIC, 28-pin	U1

51			1	Printed Circuit Board, as per the Gerber Files accompanying this BOM		PCB
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