Sound Ca	rd EMG, Ha	am Radio U	nit BOM,	Rev 0					5/29/2008	
Quantity	Value	Tolerance	Voltage Rating	Packag e	Parts				MFG/Comments	
Integrated (	Circuits									
4	AD706	NA	10V	DIL-08	J1A. U1BU3A.	U3B L	J4A.U4B	U5A.U5B	Analog Devices	
1	INA114	NA	10V	DIL-08	U2		,		Analog Devices	
1	LM311	NA	5-15V	DIL-08	U6				Various Vendors	
2	IL-1	NA		DIL-08	U8 U	9			Various Vendors	
	ICM7555	NA	10V	DIL-08	U7				Various Vendors	
1	TMV0505D	NA	5V	CUSTOM					TRACO Electronics AG	
1	LM2931Z-5	na	20V	TO-92	U11				National Semiconductor	
Discrete Se	miconducto	rs								
12	1N4148	NA	100V	DO-35	D1-D8				Various Vendors	
2	1N4001	na	1kv		D10,D11				Various Vendors	
1	2N222A	NA	15V	TO-92	Q1				Various Vendors	
Resisitors										
1	100	5%		R-10	R2,R15					
1	200	5%		R-10	R36					
2	1K	1%		R-10	R6,R7					
	1K	5%		R-10	R3,R4,R9,R28	3 R35	37 R38			
<u>.</u> 1	2.7K	5%		R-10	R39	,,, ,,,	,01,100			
2	4.7K	5%		R-10	R23,R30					
7	10K	5%		R-10	R1,R8,R10,R1	11.R1	9.R22.R3	34		
5	20K	5%		R-10	R17,R18,R20,					
2	22K	5%		R-10	R14	Î				
2	39K	5%		R-10	R12,R13					
2	47K	5%		R-10	R27,R29					
	100K	5%		R-10	R16,R25,R32					
1	200K	5%		R-10	R5					
1	330K	5%		R-10	R26					
1	5K	NA			R24				10 Turn Potentiometer	
1	100K	NA			R33				10 Turn Potentiometer	

Capacitors									
1	100pf	10%	100V	C-5	C1				Ceramic
2	0.001uf	10%	100V	C-5	C3,C4				Ceramic
1	0.01 uf	10%	100V	C-5	C17				
2	0.02uf	10%	50V	C-5	C7,C8				Ceramic
10	0.1uf	20%	50V	C-5	C2,C5,C9,C10,C13,C14,C16,C18,C20				Ceramic
1	2.0uf	20%	15V	EL25B	C6				Tantalum
3	22uf	20%	15V	EL25B	C19,C23,0	C24			Tantalum
Inductors									
2	100uh	10%			L1,L2				
2	33 UH	10%			L3,L4				
Miscellane	ous Parts								
1	Conn				P1				9-Pin RS-232 Conn.
2	Jack				J1,P2				Mono, miniture phone jack
1	Jack				J2				Power Connector
1	TTC-02				T1		(Tamura)		1100 volt isolation transformer
9	8-Pin								IC Socket
1	Relay				K1 5 VDC Relay		Radio Shack, 275-232		
1	PCB				PCB with ground plane				
1	Enclosure				Plastic enclosure, 3.3" x 5.25" x 1.25"			PAC-TEC, Model CM3-100	
2	RCA Phono								Femal jacks for electrodes
1	Ground Plug								For DRL
2					AgCl				
1					Stereo Ca	ble with	RCA Male	Phono P	lugs
Notes:									
	All resistors are		4/4 11 1						