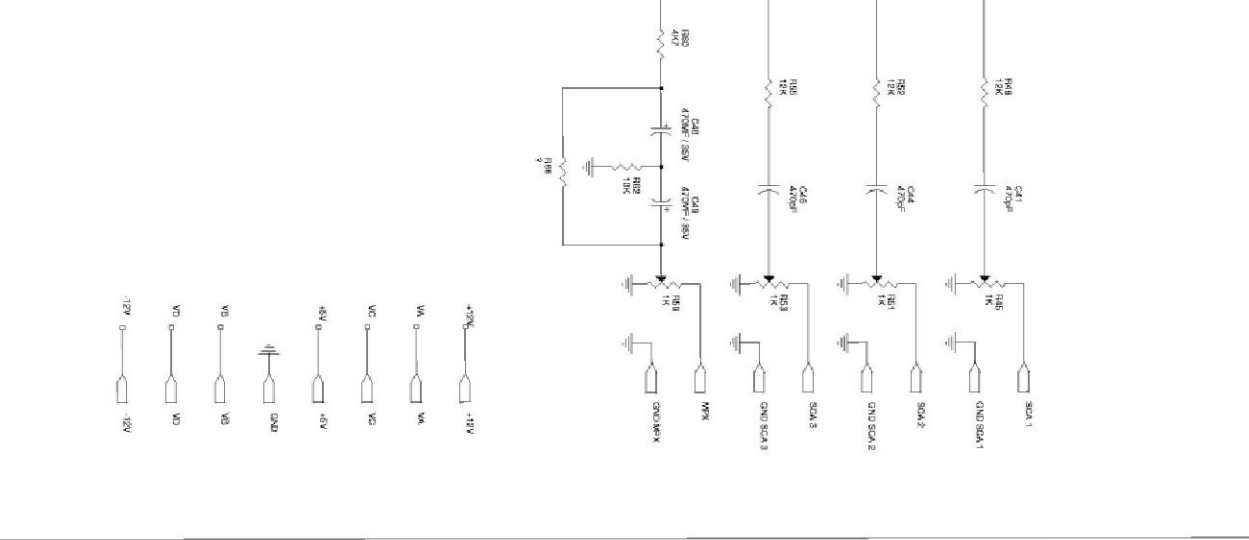
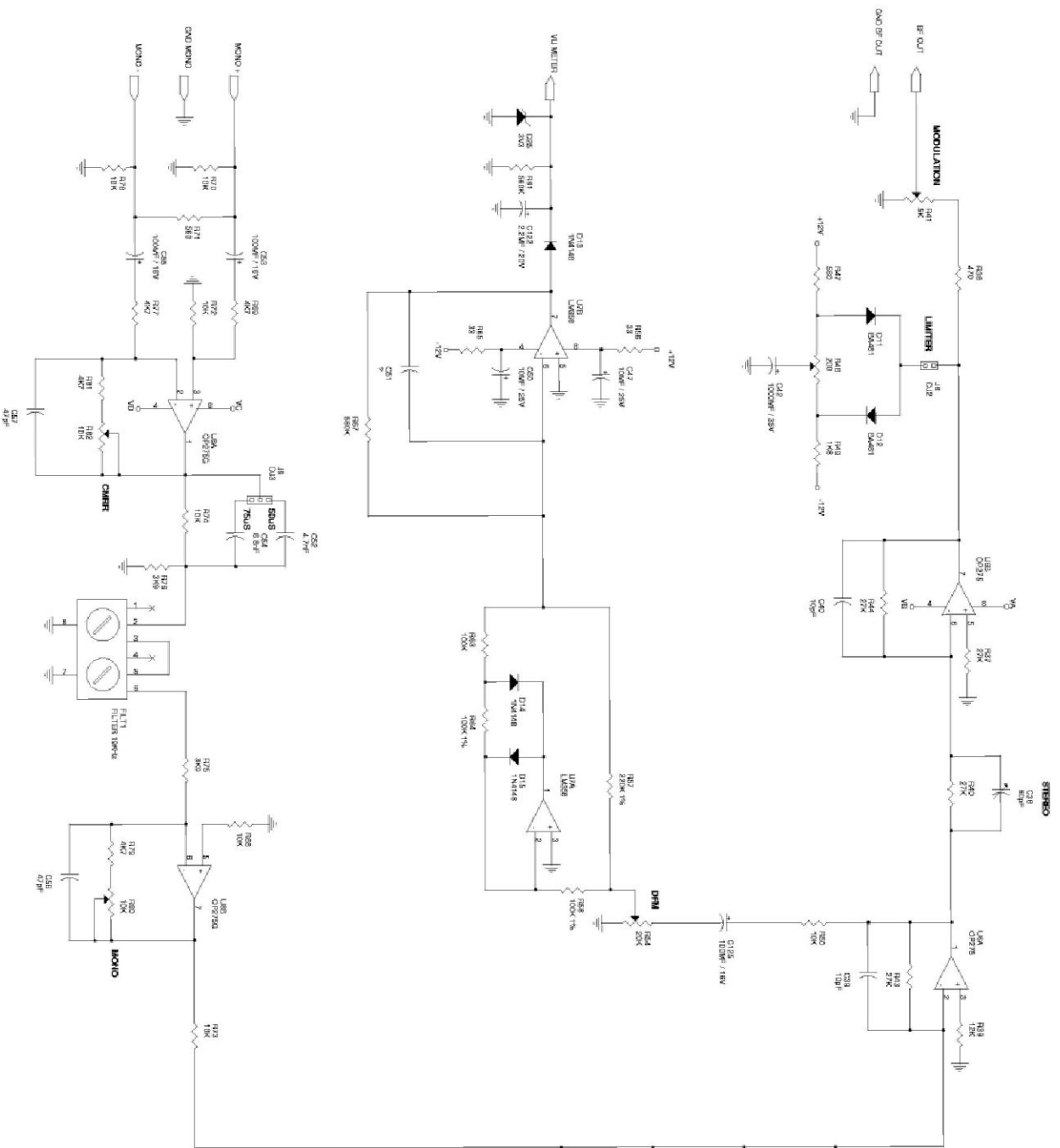
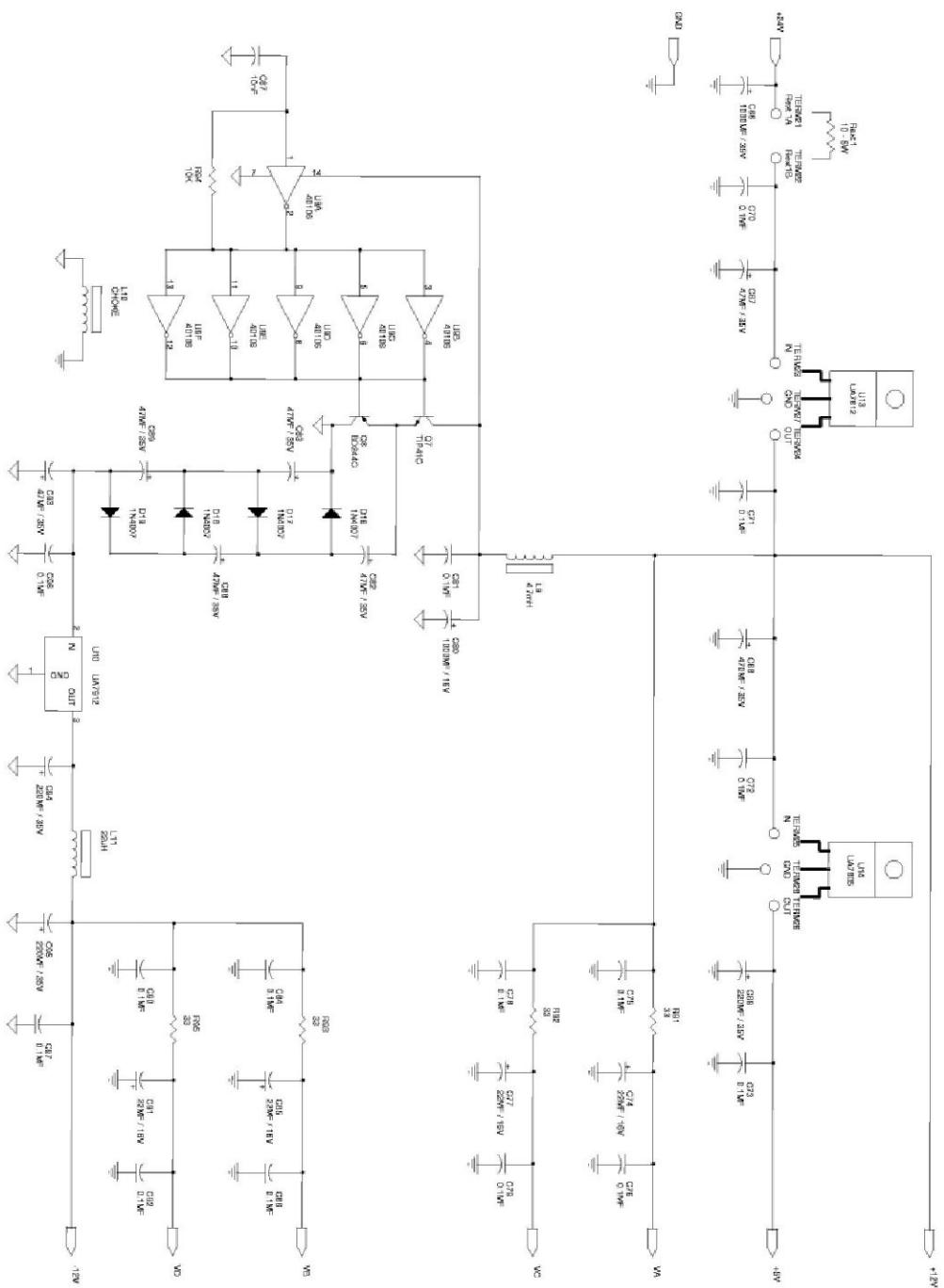
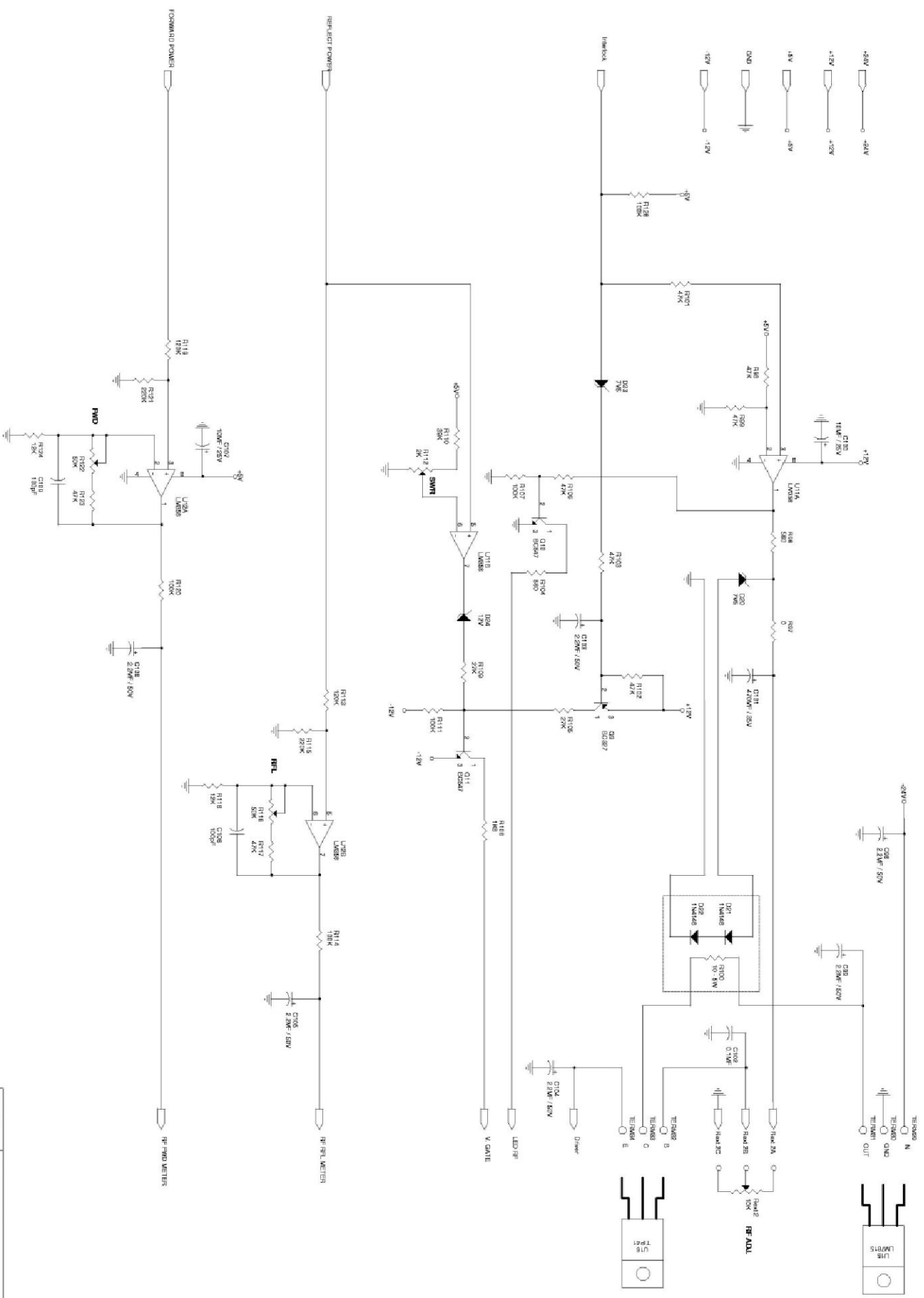
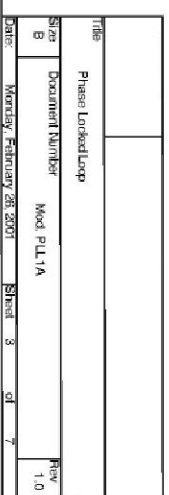


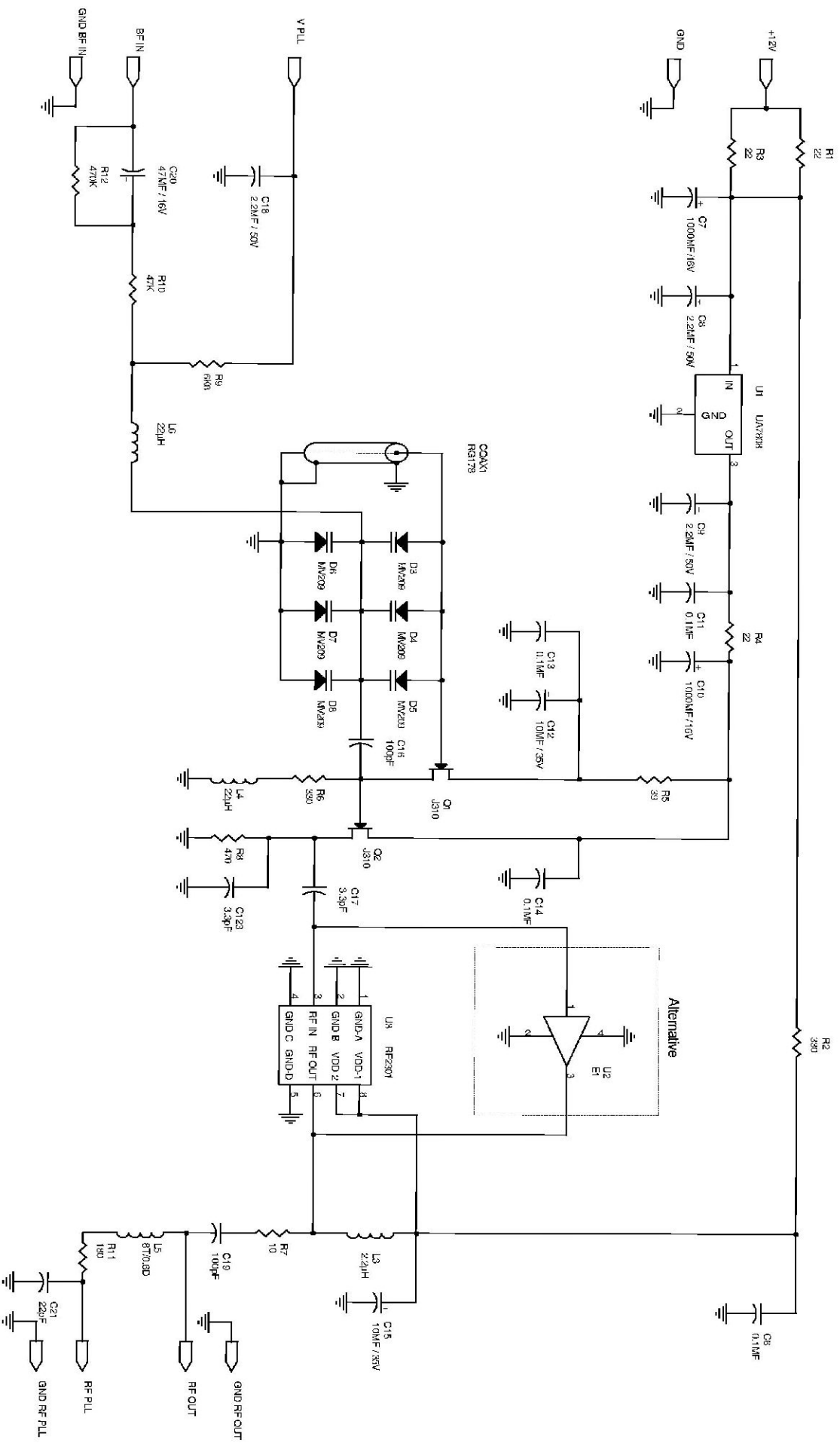


Audio Input Interface	
Input	Output
MONO	MONO
STEREO	STEREO
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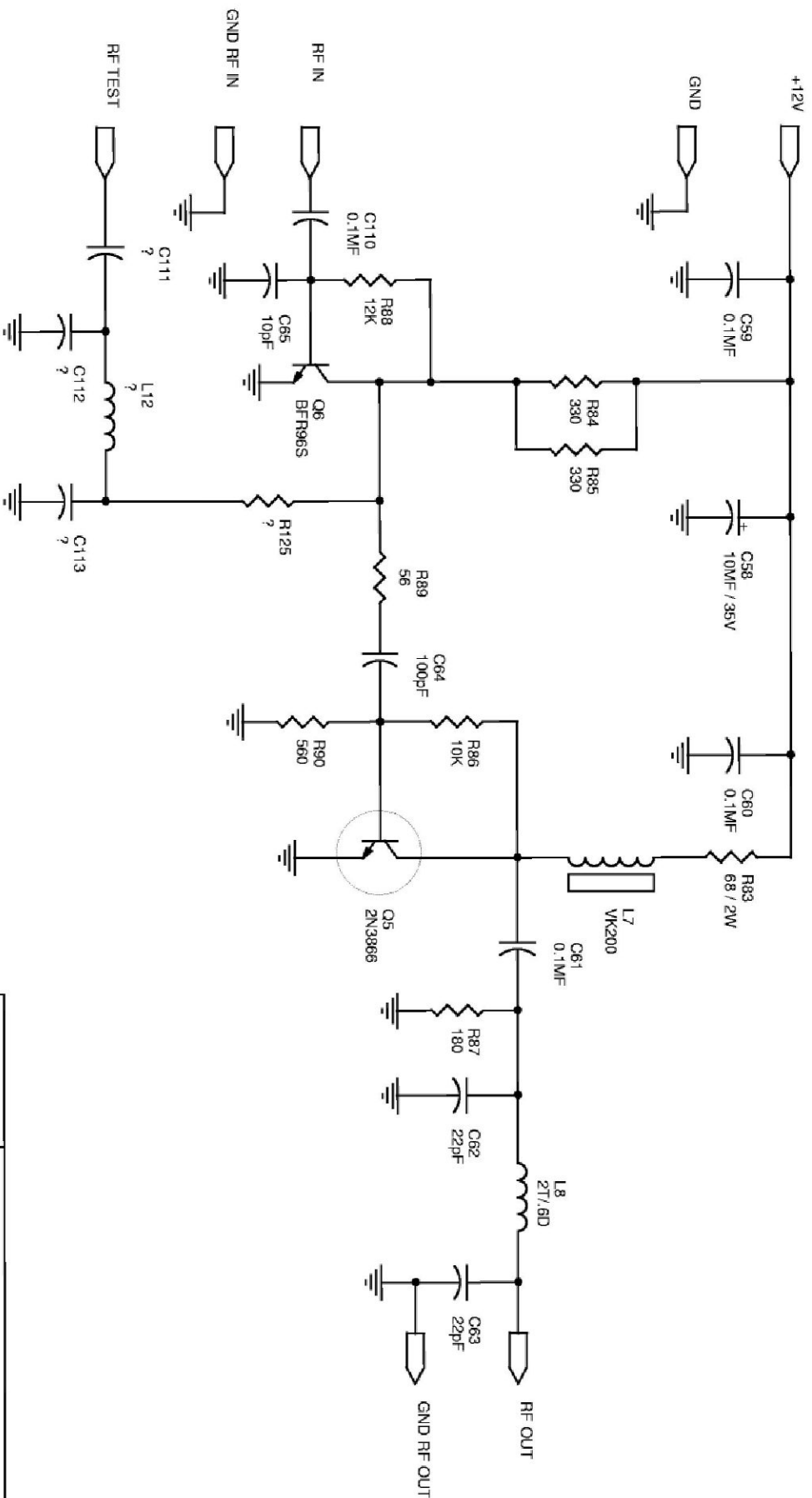








Title			
Voltage Control Oscillator			
Size	Document Number	Mod	Rev
B	Mod VCO 1A	Sheet 2	1.0
Date: Monday, February 28, 2001			



Title		RF Driver	
Size		Document Number	
A		Mod. DRIVER 1A	
Date:		Monday, February 26, 2001	
Sheet		4 of 7	
Rev		1.0	

Part List Schematic : ESVA1B

Rif.	Value	Remarks	Description	Code
C1	39pF		SMD Multilayer Ceramic Capacitor	
C2	39pF		SMD Multilayer Ceramic Capacitor	
C3	0.1MF		SMD Multilayer Ceramic Capacitor	
C4	39pF		SMD Multilayer Ceramic Capacitor	
C5	39pF		SMD Multilayer Ceramic Capacitor	
C6	0.1MF		SMD Multilayer Ceramic Capacitor	
C7	1000MF	16V	Aluminium Electrolytic Capacitor	
C8	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C9	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C10	1000MF	16V	Aluminium Electrolytic Capacitor	
C11	0.1MF		SMD Multilayer Ceramic Capacitor	
C12	10MF	35V	SMD Aluminium Electrolytic Capacitor	
C13	0.1MF		SMD Multilayer Ceramic Capacitor	
C14	0.1MF		SMD Multilayer Ceramic Capacitor	
C15	10MF	35V	SMD Aluminium Electrolytic Capacitor	
C16	100pF		SMD Multilayer Ceramic Capacitor	
C17	3.3pF		SMD Multilayer Ceramic Capacitor	
C18	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C19	100pF		SMD Multilayer Ceramic Capacitor	
C20	47MF	16V	SMD Aluminium Electrolytic Capacitor	
C21	22pF		SMD Multilayer Ceramic Capacitor	
C22	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C23	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C24	0.1MF		SMD Multilayer Ceramic Capacitor	
C25	0.1MF		SMD Multilayer Ceramic Capacitor	
C26	?			
C27	?			
C28	?			
C29	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C30	0.1MF		SMD Multilayer Ceramic Capacitor	
C31	470MF	16V	Aluminium Electrolytic Capacitor	
C32	1000MF	16V	Aluminium Electrolytic Capacitor	
C33	470MF	35V	Aluminium Electrolytic Capacitor	
C34	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C35	1nF		SMD Multilayer Ceramic Capacitor	
C36	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C37	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C38	60pF		Trimmer Polyethylene Film Capacitor	
C39	10pF		SMD Multilayer Ceramic Capacitor	
C40	10pF		SMD Multilayer Ceramic Capacitor	
C41	470pF		SMD Multilayer Ceramic Capacitor	
C42	1000MF	35V	Aluminium Electrolytic Capacitor	
C43	?			
C44	470pF		SMD Multilayer Ceramic Capacitor	
C46	470pF		SMD Multilayer Ceramic Capacitor	
C47	10MF	25V	SMD Aluminium Electrolytic Capacitor	
C48	470MF	35V	Aluminium Electrolytic Capacitor	
C49	470MF	35V	Aluminium Electrolytic Capacitor	

Rif.	Value	Remarks	Description	Code
C50	10MF	25V	SMD Aluminium Electrolytic Capacitor	
C51	?			
C52	4.7nF		SMD Multilayer Ceramic Capacitor	
C53	100MF	16V	Aluminium Electrolytic Capacitor	
C54	6.8nF		SMD Multilayer Ceramic Capacitor	
C55	100MF	16V	Aluminium Electrolytic Capacitor	
C56	47pF		SMD Multilayer Ceramic Capacitor	
C57	47pF		SMD Multilayer Ceramic Capacitor	
C58	10MF	25V	SMD Aluminium Electrolytic Capacitor	
C59	0.1MF		SMD Multilayer Ceramic Capacitor	
C60	0.1MF		SMD Multilayer Ceramic Capacitor	
C61	0.1MF		SMD Multilayer Ceramic Capacitor	
C62	22pF		SMD Multilayer Ceramic Capacitor	
C63	22pF		SMD Multilayer Ceramic Capacitor	
C64	100pF		SMD Multilayer Ceramic Capacitor	
C65	10pF		SMD Multilayer Ceramic Capacitor	
C66	1000MF	35V	Aluminium Electrolytic Capacitor	
C67	47MF	35V	Aluminium Electrolytic Capacitor	
C68	470MF	35V	Aluminium Electrolytic Capacitor	
C69	220MF	35V	Aluminium Electrolytic Capacitor	
C70	0.1MF		SMD Multilayer Ceramic Capacitor	
C71	0.1MF		SMD Multilayer Ceramic Capacitor	
C72	0.1MF		SMD Multilayer Ceramic Capacitor	
C73	0.1MF		SMD Multilayer Ceramic Capacitor	
C74	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C75	0.1MF		SMD Multilayer Ceramic Capacitor	
C76	0.1MF		SMD Multilayer Ceramic Capacitor	
C77	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C78	0.1MF		SMD Multilayer Ceramic Capacitor	
C79	0.1MF		SMD Multilayer Ceramic Capacitor	
C80	1000MF	16V	Aluminium Electrolytic Capacitor	
C81	0.1MF		SMD Multilayer Ceramic Capacitor	
C82	47MF	35V	Aluminium Electrolytic Capacitor	
C83	47MF	35V	Aluminium Electrolytic Capacitor	
C84	0.1MF		SMD Multilayer Ceramic Capacitor	
C85	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C86	0.1MF		SMD Multilayer Ceramic Capacitor	
C87	10nF		SMD Multilayer Ceramic Capacitor	
C88	47MF	35V	Aluminium Electrolytic Capacitor	
C89	47MF	35V	Aluminium Electrolytic Capacitor	
C90	0.1MF		SMD Multilayer Ceramic Capacitor	
C91	22MF	16V	SMD Aluminium Electrolytic Capacitor	
C92	0.1MF		SMD Multilayer Ceramic Capacitor	
C93	47MF	35V	Aluminium Electrolytic Capacitor	
C94	220MF	35V	Aluminium Electrolytic Capacitor	
C95	220MF	35V	Aluminium Electrolytic Capacitor	
C96	0.1MF		SMD Multilayer Ceramic Capacitor	
C97	0.1MF		SMD Multilayer Ceramic Capacitor	
C98	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C99	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C100	10MF	25V	SMD Aluminium Electrolytic Capacitor	

Rif.	Value	Remarks	Description	Code
C101	470MF	35V	Aluminium Electrolytic Capacitor	
C102	0.1MF		SMD Multilayer Ceramic Capacitor	
C103	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C104	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C105	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C106	100pF		SMD Multilayer Ceramic Capacitor	
C107	10MF	25V	SMD Aluminium Electrolytic Capacitor	
C108	2.2MF	50V	SMD Aluminium Electrolytic Capacitor	
C109	100pF		SMD Multilayer Ceramic Capacitor	
C110	0.1MF		SMD Multilayer Ceramic Capacitor	
C111	?		SMD Multilayer Ceramic Capacitor	
C112	?		SMD Multilayer Ceramic Capacitor	
C113	?		SMD Multilayer Ceramic Capacitor	
C114	39pF		SMD Multilayer Ceramic Capacitor	
C115	39pF		SMD Multilayer Ceramic Capacitor	
C116	39pF		SMD Multilayer Ceramic Capacitor	
C117	39pF		SMD Multilayer Ceramic Capacitor	
C118	39pF		SMD Multilayer Ceramic Capacitor	
C119	39pF		SMD Multilayer Ceramic Capacitor	
C120	39pF		SMD Multilayer Ceramic Capacitor	
C121	39pF		SMD Multilayer Ceramic Capacitor	
C122	2.2MF	20V	SMD Tantalum Capacitor	
C123	3.3pF		SMD Multilayer Ceramic Capacitor	
C124	0.47MF	50V	Aluminium Electrolytic Capacitor	
C125	100MF	16V	Aluminium Electrolytic Capacitor	
L1	10μH		Ferrite Drum Cored Inductor	
L2	10μH		Ferrite Drum Cored Inductor	
L3	2.2μH		SMD Inductor	
L4	22μH		SMD Inductor	
L5	8T/0.6D		Enamelled Copper Wire	
L6	22μH		SMD Inductor	
L7	VK200		Ferrite Drum Cored Inductor	
L8	2T/.6D		Enamelled Copper Wire	
L9	4.7mH		Ferrite Drum Cored Inductor	
L10	CHOKE		Suppression Choke	
L11	22μH		Ferrite Drum Cored Inductor	
L12	?			
L13	CHOKE		Suppression Choke	
L14	CHOKE		Suppression Choke	
L15	CHOKE		Suppression Choke	
L16	CHOKE		Suppression Choke	
Rext1	10	10W	Aluminium Clad Wirewound Resistor	
Rext2	0.5	10W	Aluminium Clad Wirewound Resistor	
Rext3	10K	1/4W	Cermet Skeleton Trimmer Resistor	
R1	22	1/4W	SMD Thick Film Resistor	
R2	330	1/4W	SMD Thick Film Resistor	
R3	22	1/4W	SMD Thick Film Resistor	
R4	22	1/4W	SMD Thick Film Resistor	
R5	39	1/4W	SMD Thick Film Resistor	

Rif.	Value	Remarks	Description	Code
R6	330	1/4W	SMD Thick Film Resistor	
R7	10	1/4W	SMD Thick Film Resistor	
R8	470	1/4W	SMD Thick Film Resistor	
R9	6K8	1/4W	SMD Thick Film Resistor	
R10	47K	1/4W	SMD Thick Film Resistor	
R11	180	1/4W	SMD Thick Film Resistor	
R12	470K	1/4W	SMD Thick Film Resistor	
R13	10K	1/4W	SMD Thick Film Resistor	
R14	3K9	1/4W	SMD Thick Film Resistor	
R15	330	1/4W	SMD Thick Film Resistor	
R16	4K7	1/4W	SMD Thick Film Resistor	
R17	2K7	1/4W	SMD Thick Film Resistor	
R18	100	1/4W	SMD Thick Film Resistor	
R19	560	1/4W	SMD Thick Film Resistor	
R20	180	1/4W	SMD Thick Film Resistor	
R21	10	1/4W	SMD Thick Film Resistor	
R22	3K9	1/4W	SMD Thick Film Resistor	
R23	47K	1/4W	SMD Thick Film Resistor	
R24	100	1/4W	SMD Thick Film Resistor	
R25	47K	1/4W	SMD Thick Film Resistor	
R26	100	1/4W	SMD Thick Film Resistor	
R27	47K	1/4W	SMD Thick Film Resistor	
R28	47K	1/4W	SMD Thick Film Resistor	
R29	1K	1/4W	SMD Thick Film Resistor	
R30	470K	1/4W	SMD Thick Film Resistor	
R31	27K	1/4W	SMD Thick Film Resistor	
R32	47K	1/4W	SMD Thick Film Resistor	
R33	560	1/4W	SMD Thick Film Resistor	
R34	100K	1/4W	SMD Thick Film Resistor	
R35	560	1/4W	SMD Thick Film Resistor	
R36	100K	1/4W	SMD Thick Film Resistor	
R37	27K	1/4W	SMD Thick Film Resistor	
R38	470	1/4W	SMD Thick Film Resistor	
R39	12K	1/4W	SMD Thick Film Resistor	
R40	27K	1/4W	SMD Thick Film Resistor	
R41	5K	1/4W	SMD Thick Film Resistor	
R43	27K	1/4W	SMD Thick Film Resistor	
R44	27K	1/4W	SMD Thick Film Resistor	
R45	1K	1/4W	Cermet Skeleton Trimmer Resistor	
R46	12K	1/4W	SMD Thick Film Resistor	
R47	560	1/4W	SMD Thick Film Resistor	
R48	200	1/4W	SMD Cermet Skeleton Trimmer Resistor	
R49	1K8	1/4W	SMD Thick Film Resistor	
R50	10K	1/4W	SMD Thick Film Resistor	
R51	1K	1/4W	Cermet Skeleton Trimmer Resistor	
R52	12K	1/4W	SMD Thick Film Resistor	
R53	1K	1/4W	Cermet Skeleton Trimmer Resistor	
R54	20K	1/4W	SMD Cermet Skeleton Trimmer Resistor	
R55	12K	1/4W	SMD Thick Film Resistor	
R56	33	1/4W	SMD Thick Film Resistor	
R57	220K 1%	1/4W	SMD Thick Film Resistor	

Rif.	Value	Remarks	Description	Code
R58	100K 1%	1/4W	SMD Thick Film Resistor	
R59	1K	1/4W	Cermet Skeleton Trimmer Resistor	
R60	4K7	1/4W	SMD Thick Film Resistor	
R61	560K	1/4W	SMD Thick Film Resistor	
R62	10K	1/4W	SMD Thick Film Resistor	
R63	100K	1/4W	SMD Thick Film Resistor	
R64	100K 1%	1/4W	SMD Thick Film Resistor	
R65	33	1/4W	SMD Thick Film Resistor	
R66	?	1/4W	SMD Thick Film Resistor	
R67	560K	1/4W	SMD Thick Film Resistor	
R68	10K	1/4W	SMD Thick Film Resistor	
R69	4K7	1/4W	SMD Thick Film Resistor	
R70	10K	1/4W	SMD Thick Film Resistor	
R71	560	1/4W	SMD Thick Film Resistor	
R72	10K	1/4W	SMD Thick Film Resistor	
R73	10K	1/4W	SMD Thick Film Resistor	
R74	10K	1/4W	SMD Thick Film Resistor	
R75	3K9	1/4W	SMD Thick Film Resistor	
R76	3K9	1/4W	SMD Thick Film Resistor	
R77	4K7	1/4W	SMD Thick Film Resistor	
R78	10K	1/4W	SMD Thick Film Resistor	
R79	4K7	1/4W	SMD Thick Film Resistor	
R80	10K	1/4W	Cermet Skeleton Trimmer Resistor	
R81	4K7	1/4W	SMD Thick Film Resistor	
R82	10K	1/4W	Cermet Skeleton Trimmer Resistor	
R83	68	2W	Carbon Film Resistor	
R84	330	1/4W	SMD Thick Film Resistor	
R85	330	1/4W	SMD Thick Film Resistor	
R86	10K	1/4W	SMD Thick Film Resistor	
R87	180	1/4W	SMD Thick Film Resistor	
R88	12K	1/4W	SMD Thick Film Resistor	
R89	56	1/4W	SMD Thick Film Resistor	
R90	560	1/4W	SMD Thick Film Resistor	
R91	33	1/4W	SMD Thick Film Resistor	
R92	33	1/4W	SMD Thick Film Resistor	
R93	33	1/4W	SMD Thick Film Resistor	
R94	10K	1/4W	SMD Thick Film Resistor	
R95	33	1/4W	SMD Thick Film Resistor	
R96	560	1/4W	SMD Thick Film Resistor	
R97	0	1/4W	SMD Thick Film Resistor	
R98	47K	1/4W	SMD Thick Film Resistor	
R99	47K	1/4W	SMD Thick Film Resistor	
R100	10	5W	Ceramic Cased Wirewound Resistor	
R101	47K	1/4W	SMD Thick Film Resistor	
R102	47K	1/4W	SMD Thick Film Resistor	
R103	47K	1/4W	SMD Thick Film Resistor	
R104	560	1/4W	SMD Thick Film Resistor	
R105	27K	1/4W	SMD Thick Film Resistor	
R106	47K	1/4W	SMD Thick Film Resistor	
R107	100K	1/4W	SMD Thick Film Resistor	
R108	1K8	1/4W	SMD Thick Film Resistor	