

Part List Schematic : RFAMP30W

[illegible]

Part List Schematic : RFAMP-1W

[illegible]

NICOM

Part List Schematic : RFAMP-30W-1B

Rif.	Value	Remarks	Description	Code
C1	NC		SMD Multilayer Ceramic Capacitor	
C2	NC		SMD Multilayer Ceramic Capacitor	
C3	470pF		SMD Multilayer Ceramic Capacitor	
C4	10pF		SMD Multilayer Ceramic Capacitor	
C5	10pF		SMD Multilayer Ceramic Capacitor	
C6	18pF		SMD Multilayer Ceramic Capacitor	
C7	10MF	50V	SMD Aluminium Electrolytic Capacitor	
C8	47nF		SMD Multilayer Ceramic Capacitor	
C9	2.2nF		SMD Multilayer Ceramic Capacitor	
C10	10nF		SMD Multilayer Ceramic Capacitor	
C11	220pF		SMD Multilayer Ceramic Capacitor	
C12	8.2pF		SMD Multilayer Ceramic Capacitor	
C13	8.2pF		SMD Multilayer Ceramic Capacitor	
C14	22pF		SMD Multilayer Ceramic Capacitor	
C15	22pF		SMD Multilayer Ceramic Capacitor	
C16	22pF		SMD Multilayer Ceramic Capacitor	
C17	470pF		SMD Multilayer Ceramic Capacitor	
C18	470pF		SMD Multilayer Ceramic Capacitor	
C19	68pF		SMD Multilayer Ceramic Capacitor	
C20	68pF		SMD Multilayer Ceramic Capacitor	
C21	10nF		SMD Multilayer Ceramic Capacitor	
C22	10nF		SMD Multilayer Ceramic Capacitor	
C23	10nF		SMD Multilayer Ceramic Capacitor	
C24	18pF		SMD Multilayer Ceramic Capacitor	
C25	18pF		SMD Multilayer Ceramic Capacitor	
C26	15pF		SMD Multilayer Ceramic Capacitor	
C27	39pF		SMD Multilayer Ceramic Capacitor	
C28	220pF		SMD Multilayer Ceramic Capacitor	
C29	18pF		SMD Multilayer Ceramic Capacitor	
C30	68pF		SMD Multilayer Ceramic Capacitor	
C31	18pF		SMD Multilayer Ceramic Capacitor	
C32	68pF		SMD Multilayer Ceramic Capacitor	
C33	4.7pF		SMD Multilayer Ceramic Capacitor	
C34	82pF		SMD Multilayer Ceramic Capacitor	
C35	15pF		SMD Multilayer Ceramic Capacitor	
C36	47pF		SMD Multilayer Ceramic Capacitor	
C37	68pF		SMD Multilayer Ceramic Capacitor	
C38	10nF		SMD Multilayer Ceramic Capacitor	
C39	39pF		SMD Multilayer Ceramic Capacitor	
C40	39pF		SMD Multilayer Ceramic Capacitor	
C41	22pF		SMD Multilayer Ceramic Capacitor	
C42	56pF		SMD Multilayer Ceramic Capacitor	
C43	56pF		SMD Multilayer Ceramic Capacitor	
L1	CHOKE		Suppression Choke	
MST1			Microstrip Inductor	
MST2			Microstrip Inductor	
MST3			Microstrip Inductor	
MST4			Microstrip Inductor	

[illegible]

Part List Schematic : COUPLER 1B

[illegible]

NICOM

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	NC	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	2K2	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	0	1/4W	SMD Thick Film Resistor	
R97	1K8	1/4W	SMD Thick Film Resistor	
R98	47K	1/4W	SMD Thick Film Resistor	
R99	47K	1/4W	SMD Thick Film Resistor	
R100	0		Wire	
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	

NICOM

R109	27K	1/4W	SMD Thick Film Resistor	
R110	680	1/4W	SMD Thick Film Resistor	
R111	100K	1/4W	SMD Thick Film Resistor	
R112	2K	1/4W	SMD Cermet Skeleton Trimmer Resistor	
R113	120K	1/4W	SMD Thick Film Resistor	
R114	100K	1/4W	SMD Thick Film Resistor	
R115	20K	1/4W	SMD Thick Film Resistor	
R116	50K	1/4W	Cermet Skeleton Trimmer Resistor	
R117	47K	1/4W	SMD Thick Film Resistor	
R118	18K	1/4W	SMD Thick Film Resistor	
R119	120K	1/4W	SMD Thick Film Resistor	
R120	100K	1/4W	SMD Thick Film Resistor	
R121	1K5	1/4W	SMD Thick Film Resistor	
R122	50K	1/4W	Cermet Skeleton Trimmer Resistor	
R123	47K	1/4W	SMD Thick Film Resistor	
R124	6K8	1/4W	SMD Thick Film Resistor	
R125	NC	1/4W	SMD Thick Film Resistor	
R126	2K2	1/4W	SMD Thick Film Resistor	
R127	1K	1/4W	SMD Thick Film Resistor	
R128	100K	1/4W	SMD Thick Film Resistor	
R129	18K	1/4W	SMD Thick Film Resistor	
R130	56K	1/4W	SMD Thick Film Resistor	
R131	NC	1/4W	SMD Thick Film Resistor	
D1	1N4148		SMD Low Power Signal Diode	
D2	1N4148		SMD Low Power Signal Diode	
D3	MV209		Tuning Diode	
D4	MV209		Tuning Diode	
D5	MV209		Tuning Diode	
D6	MV209		Tuning Diode	
D7	MV209		Tuning Diode	
D8	MV209		Tuning Diode	
D9	LED		SMD Light Emitting Diode	
D10	5V1		SMD Diode Zener	
D11	BA481		Detector Schottky Diode	
D12	BA481		Detector Schottky Diode	
D13	1N4148		SMD Low Power Signal Diode	
D14	1N4148		SMD Low Power Signal Diode	
D15	1N4148		SMD Low Power Signal Diode	
D16	1N4007		Power Diode	
D17	1N4007		Power Diode	
D18	1N4007		Power Diode	
D19	1N4007		Power Diode	
D20	NC			
D21	NC			
D22	NC			
D23	7V5		SMD Diode Zener	
D24	12V		SMD Diode Zener	
D25	3V3		SMD Diode Zener	
D26	1N4148		SMD Low Power Signal Diode	
Q1	J310		JFET	

NICOM

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	NC		SMD Multilayer Ceramic Capacitor	
C112	NC		SMD Multilayer Ceramic Capacitor	
C113	NC		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	NC			
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	NC			
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	

NICOM

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	10K	1/4W	SMD Thick Film Resistor	
R18	100	1/4W	SMD Thick Film Resistor	
R19	560	1/4W	SMD Thick Film Resistor	
R20	1K	1/4W	SMD Thick Film Resistor	
R21	0	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	47K	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	47K	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	

NICOM

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	NC	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	2K2	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	0	1/4W	SMD Thick Film Resistor	
R97	1K8	1/4W	SMD Thick Film Resistor	
R98	47K	1/4W	SMD Thick Film Resistor	
R99	47K	1/4W	SMD Thick Film Resistor	
R100	0		Wire	
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	

NICOM

R109	27K	1/4W	SMD Thick Film Resistor
R110	680	1/4W	SMD Thick Film Resistor
R111	100K	1/4W	SMD Thick Film Resistor
R112	2K	1/4W	SMD Cermet Skeleton Trimmer Resistor
R113	120K	1/4W	SMD Thick Film Resistor
R114	100K	1/4W	SMD Thick Film Resistor
R115	20K	1/4W	SMD Thick Film Resistor
R116	50K	1/4W	Cermet Skeleton Trimmer Resistor
R117	47K	1/4W	SMD Thick Film Resistor
R118	18K	1/4W	SMD Thick Film Resistor
R119	120K	1/4W	SMD Thick Film Resistor
R120	100K	1/4W	SMD Thick Film Resistor
R121	1K5	1/4W	SMD Thick Film Resistor
R122	50K	1/4W	Cermet Skeleton Trimmer Resistor
R123	47K	1/4W	SMD Thick Film Resistor
R124	6K8	1/4W	SMD Thick Film Resistor
R125	NC	1/4W	SMD Thick Film Resistor
R126	2K2	1/4W	SMD Thick Film Resistor
R127	1K	1/4W	SMD Thick Film Resistor
R128	100K	1/4W	SMD Thick Film Resistor
R129	18K	1/4W	SMD Thick Film Resistor
R130	56K	1/4W	SMD Thick Film Resistor
R131	NC	1/4W	SMD Thick Film Resistor
D1	1N4148		SMD Low Power Signal Diode
D2	1N4148		SMD Low Power Signal Diode
D3	MV209		Tuning Diode
D4	MV209		Tuning Diode
D5	MV209		Tuning Diode
D6	MV209		Tuning Diode
D7	MV209		Tuning Diode
D8	MV209		Tuning Diode
D9	LED		SMD Light Emitting Diode
D10	5V1		SMD Diode Zener
D11	BA481		Detector Schottky Diode
D12	BA481		Detector Schottky Diode
D13	1N4148		SMD Low Power Signal Diode
D14	1N4148		SMD Low Power Signal Diode
D15	1N4148		SMD Low Power Signal Diode
D16	1N4007		Power Diode
D17	1N4007		Power Diode
D18	1N4007		Power Diode
D19	1N4007		Power Diode
D20	NC		
D21	NC		
D22	NC		
D23	7V5		SMD Diode Zener
D24	12V		SMD Diode Zener
D25	3V3		SMD Diode Zener
D26	1N4148		SMD Low Power Signal Diode
Q1	J310		JFET

NICOM

[illegible]

Microprocessor board

Part List Schematic : MICR00A

[illegible]