

	A	B	C	D	E	F
1	Source:	D:¥KiCAD_work¥4732_2003_386¥4732_2003_386_W78¥4732_2003_386_W78.kicad_s				
2	Date:	2023/12/27 0:00				
3	Tool:	Eeschema 7.0.5				
4	Generator:	C:¥Program				
5	Component Count:	96				
6	Ref	Qty	Value	Cmp name	Footprint	Description
7	C1, C11,	2	7p	CAP	Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50m	Capacitor symbol for simulation only
8	C2, C7, C37, C38,	4	15p	CAP	Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50m	Capacitor symbol for simulation only
9	C3, C6,	0	NO	No need	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	Capacitor symbol for simulation only
10	C4,	0	NO	No need	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	Capacitor symbol for simulation only
11	C5,	1	1.5p	CAP	Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50m	Capacitor symbol for simulation only
12	C8, C9, C12, C16, C35, C40, C42,	7	0.1u	CAP	Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50m	Capacitor symbol for simulation only
13	C10, C14, C17, C27, C32, C34,	6	10u	C_Polarized_Small	Capacitor_THT:CP_Radial_D5.0mm_P2.50mm	Polarized capacitor, small symbol
14	C13, C15, C19, C23, C26, C39,	6	0.01u	CAP	Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50m	Capacitor symbol for simulation only
15	C18, C43,	2	12p	CAP	Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50m	Capacitor symbol for simulation only
16	C20, C22,	2	4p	CAP	Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50m	Capacitor symbol for simulation only
17	C21, C24,	2	22p	CAP	Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50m	Capacitor symbol for simulation only
18	C25, C29,	2	1000p	CAP	Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50m	Capacitor symbol for simulation only
19	C28, C33, C36,	3	100u	C_Polarized_Small	Capacitor_THT:CP_Radial_D8.0mm_P2.50mm	Polarized capacitor, small symbol
20	C30, C31,	2	1u	CAP	Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50m	Capacitor symbol for simulation only
21	C41,	1	100p	CAP	Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50m	Capacitor symbol for simulation only
22	C44,	1	22p	CAP	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	Capacitor symbol for simulation only
23	D1,	1	1N4001	1N4001	Diode_THT:D_DO-41_SOD81_P10.16mm_Horizontal	50V 1A General Purpose Rectifier Diode, DO-41
24	H1, H2, H3, H4,	4	MountingHole	MountingHole	MountingHole:MountingHole_3.5mm	Mounting Hole without connection
25	J1,	1	ANT	Conn_Coaxial	Connector_Coaxial:SMA_Amphenol_132289_EdgeMount	coaxial connector (BNC, SMA, SMB, SMC, Cinch/RCA, LEMO, ...)

	A	B	C	D	E	F
26	J2,	1	AudioJack2_Ground_Switch	AudioJack2_Ground_Switch	Connector_Audio:Jack_3.5mm_CUI_SJ1-3525N_Horizontal	Audio Jack, 2 Poles (Mono / TS), Grounded Sleeve, Switched Pole (Normaling)
27	J3,	1	DC9-12V	Conn_01x02_Male	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical	Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)
28	J4,	1	Conn_01x03	Conn_01x03	Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical	Generic connector, single row, 01x03, script generated (kicad-library-utils/schlib/autogen/connector/)
29	J5,	1	VOL	Conn_01x03_Female	Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical	Generic connector, single row, 01x03, script generated (kicad-library-utils/schlib/autogen/connector/)
30	J6,	1	SP	Conn_01x02_Male	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical	Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)
31	J7,	1	Conn_01x06_Pin	Conn_01x06_Pin	Connector_PinHeader_2.54mm:PinHeader_1x06_P2.54mm_Vertical	Generic connector, single row, 01x06, script generated
32	J8,	1	Conn_01x11_Pin	Conn_01x11_Pin	Connector_PinHeader_2.54mm:PinHeader_1x11_P2.54mm_Vertical	Generic connector, single row, 01x11, script generated
33	J9, J11,	2	Conn_01x04_Pin	Conn_01x04_Pin	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	Generic connector, single row, 01x04, script generated
34	J10,	1	Barrel_Jack_Switch	Barrel_Jack_Switch	Connector_BarrelJack:BarrelJack_Wuerth_6941x301002	DC Barrel Jack with an internal switch
35	L1, L4, L8,	3	Coil	L_Small	Inductor_THT:L_Axial_L7.0mm_D3.3mm_P10.16mm_Horizontal_Fastron_MICC	Inductor, small symbol
36	L2, L5, L6,	3	Coil	L_Small	Inductor_SMD:L_0805_2012Metric_Pad1.15x1.40mm_HandSolder	Inductor, small symbol
37	L3,	1	Coil	L_Small	Inductor_THT:L_Axial_L7.0mm_D3.3mm_P10.16mm_Horizontal_Fastron_MICC	Inductor, small symbol
38	L7,	1	1mH	L_Small	Inductor_THT:L_Axial_L5.3mm_D2.2mm_P2.54mm_Vertical_Vishay_IM-1	Inductor, small symbol
39	Q1,	1	2SC3355	2SC3355	Package_TO_SOT_THT:TO-92_Inline	0.15A Ic, 50V Vce, Low Noise Audio NPN Transistor, TO-92
40	Q2, Q3,	2	BSS138	2SK1062	Package_TO_SOT_SMD:SOT-23	0.115A Id, 60V Vds, N-Channel MOSFET, SOT-23
41	R1	1	0.4uH	Coil	T25-2 8 turns 0.5Φ enamel wire	

	A	B	C	D	E	F
42	R7,	1	10k	R	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P1.90mm_Vertical	Resistor
43	R2, R15, R16,	3	10	R	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P1.90mm_Vertical	Resistor
44	R3,	1	200k	R	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P1.90mm_Vertical	Resistor
45	R4, R5	2	1k	R	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P1.90mm_Vertical	Resistor
46	R10	1	1k	R	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P1.90mm_Vertical	Resistor
47	R6, R8,	2	3k	R	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P1.90mm_Vertical	Resistor
48	R9, R14,	2	47k	R	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P1.90mm_Vertical	Resistor
49	R11, R12, R18,	3	4.7k	R	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P1.90mm_Vertical	Resistor
50	R13,	1	100k	R	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P1.90mm_Vertical	Resistor
51	R17,	1	27k	R	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P1.90mm_Vertical	Resistor
52	U1,	1	LT1117-5.0	LT1117-5.0	Package_TO_SOT_SMD:SOT-223-3_TabPin2	800mA Low-Dropout Linear Regulator, 3.3V fixed output, SOT-223/TO-263
53	U3,	1	TA2003	TA2003	Package_DIP:DIP-16_W7.62mm_Socket	Toshiba AM/FM receiver
54						
55	U5,	1	Si4732-A10	Si4732-A10	Package_SO:SOP-16_4.55x10.3mm_P1.27mm	
56	U6,	1	Si5351a_BOB	Si5351a_BOB-Oscillator-LNA&MIXER-rescue	SDR_RADIO:Si5351a_BOB	
57	U7,	1	LM386	LM386	Package_DIP:DIP-8_W7.62mm_LongPads	Low Voltage Audio Power Amplifier, DIP-8/SOIC-8/SSOP-8
58	U8,	1	LT1117-3.3	LT1117-3.3	Package_TO_SOT_SMD:SOT-223-3_TabPin2	800mA Low-Dropout Linear Regulator, 3.3V fixed output, SOT-223/TO-263
59	Y1,	1	Crystal_Filter	Crystal_GND2	Crystal:Crystal_HC49-U-3Pin_Vertical	Three pin crystal, GND on pin 2
60	Y2,	1	Crystal	Crystal	Crystal:Crystal_AT310_D3.0mm_L10.0mm_Horizontal	Two pin crystal