Project copy

Source:	/Users/artemtymoshchuk/Documents/Study PUT/5 semester/EaECD/EaE-main 3/Project.kicad_sch					
Date:	Friday, 26 January 2024					
Tool:	Eeschema (7.0.0-0)					
Generator:	bom_csv_grouped_by_value_with_f	bom_csv_grouped_by_value_with_fp.py				
Component Count:	76					

Ref	Qnty	Value	Cmp name	Footprint	Description	Prices
C1, C2, C4	3	22uF	C	Capacitor_22uF:PCAP_125x25_PAN	Unpolarized capacitor	1.1
C3, C5	2	0.1uF	C	Capacitor_0_1uF:CAP_BFC233814104_VIS	Unpolarized capacitor	1
C6	1	100p	C	Capacitor_100p:564R60GAT10_VIS	Unpolarized capacitor	0.13
C7	1	1u	C	Capacitor_1uF:CAP_BFC237012105_VIS	Unpolarized capacitor	0.4
C8	1	0.01u	C	Capacitor_0_01uF:CAP_BFC237035223_VIS	Unpolarized capacitor	1.75
C9	1	0.1u	C	Capacitor_0_1uF:CAP_BFC233814104_VIS	Unpolarized capacitor	1.46
C10, C12, C13, C16, C19	5	103	C	Capacitor_10nF:CAPC1005X55N	Unpolarized capacitor	0.48
C11, C15	2	47u	C_Polarized_US	Capacitor_47uF:CAP_EEFK_D_PAN	Polarized capacitor, US symbol	0.2
C14	1	502	C	Capacitor_5nF:CAP_1812_AVX	Unpolarized capacitor	6.7
C17, C21	2	22u	C_Polarized_US	Capacitor_22uF:PCAP_125x25_PAN	Polarized capacitor, US symbol	0.5
C18, C20	2	104	C	Capacitor_100nF:WMF_08.1DX23.8LX0.6d_CND	Unpolarized capacitor	2.4
D1	1	LED	LED	Red_LED:LED_SSL-LX30_T-3_LUM	Light emitting diode	1.5
D2	1	W04G	W04G	Diode_THT:Diode_Bridge_Round_D9.8mm	Glass Passivated Single-Phase Bridge Rectifier, 280V Vrms, 1.5A If, WOG package	1.2
DS1	1	NHD-0420CW-AB3	NHD-0420CW-AB3	NHD-0420CW-AB3:LCD_NHD-0420CW-AB3	Newhaven Display: LCD module	120
J1, J2	2	Screw_Terminal_01x02	Screw_Terminal_01x02	TerminalBlock_RND:TerminalBlock_RND_205-00012_1x02_P5.00mm_Horizontal	Generic screw terminal, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)	-
J3	1	Conn_01x03_Pin	Conn_01x03_Pin	Connector_PinHeader_1.00mm:PinHeader_1x03_P1.00mm_Horizontal	Generic connector, single row, 01x03, script generated	0.05
JP1	1	Jumper_3_Open	Jumper_3_Open	Jumper:SolderJumper-3_P1.3mm_Open_Pad1.0x1.5mm	Jumper, 3-pole, both open	-
MK1	1	Microphone	Microphone		Microphone	-
PS1	1	PSK-S25B-5-PB	PSK-S25B-5-PB	PSK-S25B-5-PB:CONV_PSK-S25B-5-PB	Power supply module	60
Q1	1	BT136-500	BT136-500	Package_TO_SOT_THT:TO-220-3_Vertical	4A RMS, 500V Off-State Voltage, Triac, TO-220	0.4
R1	1	2K	R	Resistor_2k:RES_TYCO_YR1_TYC	Resistor	2.8
R2, R5	2	10K	R	Resistor_10k:RES_CFR25_TYCO_TYC	Resistor	0.4
R3, R4	2	47K	R	Resistor_47k:RES_CFR50_TYCO_TYC	Resistor	0.4
R6, R8	2	330	R	Resistor_330:RES_LR1_TYCO_TYC	Resistor	0.5
R7, R22	2	1K	R	Resistor_1k:RES_CFR200_TYCO_TYC	Resistor	1.6
R9, R10, R11, R12, R15, R21, R28	7	10k	R	Resistor_10k:RES_CFR25_TYCO_TYC	Resistor	0.4
R13, R16, R32	3	2k	R	Resistor_2k:RES_TYCO_YR1_TYC	Resistor	2.8
R14	1	100k	R	Resistor_100k:RES0402_CRG_TYCO_TYC	Resistor	0.5
R17, R19, R25, R27, R29, R31	6	1M	R	Resistor_1M:RES0805_CRG_TYCO_TYC	Resistor	0.95
R18, R33	2	6.8k	R	Resistor_6_8k:RES_ROX1S_TYCO_TYC	Resistor	1.71
R20, R24, R30	3	18k	R	Resistor_18k:RES0603_CRG_TYCO_TYC	Resistor	2.3
R23	1	47k	R	Resistor_47k:RES_CFR50_TYCO_TYC	Resistor	2.3
R26	1	R_Photo	R_Photo	Photoresistor:LDR1_NTE	Photoresistor	3.86
R34	1	470k	R	Resistor_470k:RES0805_CRG_TYCO_TYC	Resistor	0.93
RV1, RV2	2	1M	R_Potentiometer	Potentiometer_SMD:Potentiometer_Bourns_3214W_Vertical	Potentiometer	12
SW1, SW2	2	PEC11H	RotaryEncoder_Switch	PEC11H_RE:PEC11H4025FS0016	Rotary encoder, dual channel, incremental quadrate outputs, with switch	8
U1	1	AMS1117-3.3	AMS1117-3.3	Package_TO_SOT_SMD:SOT-223-3_TabPin2	1A Low Dropout regulator, positive, 3.3V fixed output, SOT-223	1.6
U2	1	ESP32-WROOM-32	ESP32-WROOM-32	RF_Module:ESP32-WROOM-32D	RF Module, ESP32-D0WDQ6 SoC, Wi-Fi 802.11b/g/n, Bluetooth, BLE, 32-bit, 2.7-3.6V, onboard antenna, SMD	18
U3	1	MOC3021M	MOC3021M	MOC3021M:PDIP6_BX_ONS	Random Phase Opto-Triac, Vdrm 400V, Ift 15mA, DIP6	2.5
U4	1	MCT2E	MCT2E	MCT2E:DIP762W50P254L742H480Q6	Opto-isolator	0.6
U5	1	MAX4466EXK	MAX4466EXK	MAX4466EXK:SOT65P210X110-5N	Microphone amplifier	1.5
U6	1	RE200B	DIP-MOTION_POSITION-LHI778_3P-D8.1MM_	DIP-MOTION_POSITION-LHI778_3P-D8.1MM_:SNR3-D8.1XH4.2MM	Motion sensor	2.5
U7	1	BISS0001	BISS0001	BISS0001:SOIC127P600X180-16N	Integrated circuit used for motion detector	0.4