





Bill of Materials

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Source Data From: PCB_Project1.PrjPCB
Project: PCB_Project1.PrjPCB
Variant: None

Creation Date: 25/09/2023 04:02:30 ب.ط
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Footprint	Comment	LibRef	Designator	Description	Quantity
smd_805	Cap	Cap	C1, C2, C4, C5, C6, C8, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C22, C23, C26, C27, C28, C29, C30, C32	Capacitor	25
C_B	Cap Pol1	Cap Pol1	C3, C21, C31	Polarized Capacitor (Radial)	3
C_CYL_SMD2	Cap Pol1	Cap Pol1	C7	Polarized Capacitor (Radial)	1
C_CYL_SMD	Cap Pol1	Cap Pol1	C9	Polarized Capacitor (Radial)	1
cap_pol_25v	Cap Pol1	Cap Pol1	C24, C25	Polarized Capacitor (Radial)	2
0603	Cap	Cap	C33, C34, C35, C36, C37, C38, C39, C40	Capacitor	8
DO-214AC	Diode	Diode	D1	SS110-A	1
smd_805	LED1	LED1	D2, D3, D9	Typical RED GaAs LED	3
TVS	SMBJ 3V3	D Zener	D4	Zener Diode	1
TVS	SMBJ 5V	D Zener	D5	Zener Diode	1
smd_805	LED0	LED0	D6	Typical INFRARED GaAs LED	1
TVS	Diode 1N4007	Diode 1N4007	D7	1 Amp General Purpose Rectifier	1
DO_214_AB_SMC	SM5822	D Zener	D8	Zener Diode	1
smd_805	FERRIT BEAD	Inductor	L1	Inductor	1
induc_smd	Inductor	Inductor	L2, L3, L4	Inductor	3
0603	Inductor	Inductor	L5, L6, L7	Inductor	3
HDR1X4	RF READER	Header 4	P1	Header, 4-Pin	1
PHOENIX_3	ASK	Header 3	P2	Header, 3-Pin	1
PHOENIX_3	SPEAKEROUT	Header 3	P3	Header, 3-Pin	1
ADAP_JACK	JACK INPUT	Header 2	P4	Header, 2-Pin	1
PHOENIX_5	Header 5	Header 5	P5, P6	Header, 5-Pin	2
21-0056C_24	YX5200-24SS	Header 12X2	P7	Header, 12-Pin, Dual row	1
PHOENIX_3	Header 3	Header 3	P8, P9	Header, 3-Pin	2
HDR1X16	Header 16	Header 16	P10	Header, 16-Pin	1
ssop28	Header 14X2	Header 14X2	P11	Header, 14-Pin, Dual row	1
sop8	8002A	Header 4X2	P12	Header, 4-Pin, Dual row	1
HDR1X2	Header 2	Header 2	P13	Header, 2-Pin	1
SOP16	Header 8X2A	Header 8X2A	P14	Header, 8-Pin, Dual row	1
sot-23	J3Y-NPN	NPN	Q1, Q2	NPN Bipolar Transistor	2
to-92	NPN	NPN	Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15	NPN Bipolar Transistor	13
smd_805	Res1	Res1	R1, R2, R3, R4, R5, R6, R7, R8, R9, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39	Resistor	38
smd_1206	Res2	Res2	R10	Resistor	1
0603	Res1	Res1	R40, R41, R42, R43	Resistor	4
SW_SMD_2p in	SWITCH	SW-SPST	S1, S2	Single-Pole, Single-Throw Switch	2
KEY1	SW-SPST	SW-SPST	S3	Single-Pole, Single-Throw Switch	1
SD_CARD_HOLDER	SD_CARD	MICRO_SD_CARD HOLDER	SD1		1
SOT223	AMS1117-3.3	LD1117DT33	U1		1
ESP32	ESP32	ESP32	U2		1
WROOM-32	WROOM-32	WROOM-32			
LM2576	LM2576HVT	LM2576HVT-3.3	U3	SIMPLE SWITCHER® 3A Step-Down Voltage Regulator, 5-pin TO-220	1
SOIC127P60	CH340G	CH340G	U4	USB Interface Integrated Circuit	1
0X180-16N					
USB_MICRO	USB MICRO	USB MICRO	USB1		1
_USB_AB_receptacle	USB_AB_receptacle	USB_AB_receptacle			
crystal	XTAL	XTAL	Y1, Y2	Crystal Oscillator 12MHZ	2
Approved					139

Approved	Notes