

Comment	Description	Designator	Footprint	LibRef	Quantity
Buzzer	Buzzer	Buzzer	BUZZER	Buzzer	1
100nF	Bipolar Capacitor	C1, C20, C21, C22	SMD_CAP_1206	Cap-Bipolar	4
20pF	Bipolar Capacitor	C2, C5, C7, C8, C9	SMD_CAP_1206	Cap-Bipolar	5
10uF	Polar Capacitor	C3, C16	CAPP 1206 (3216X18L) Size A	Cap-Polar	2
100uF	Polar Capacitor	C4, C17	CAPP 1206 (3216X18L) Size A	Cap-Polar	2
1uF	Bipolar Capacitor	C6	SMD_CAP_1206	Cap-Bipolar	1
1uF	Polar Capacitor	C10, C11, C12, C13	cap 01	Cap-Polar	4
1uF	Polar Capacitor	C14	CAPP 1206 (3216X18L) Size A	Cap-Polar	1
0.1uF	Polar Capacitor	C15	CAPP 1206 (3216X18L) Size A	Cap-Polar	1
22pF	Bipolar Capacitor	C18, C19	SMD_CAP_1206	Cap-Bipolar	2
Phoenix Connector		Con1, Con2	KF2EDGRC	Phoenix_4	2
Diode Zener	Zener Diode	D1, D4	Diode 1W	Diode Zener	2
1N4148	High Conductance Fast Diode	D2, D3	Diode 1W	Diode 1N4148	2
PWR2.5	Low Voltage Power Supply Connector	J1	KLD-0202	PWR2.5	1
Relay	SPDT Relay	K1, K2	Relay 15.40x12.10x13.10	Relay	2
Red	LED	LED1, LED2	LED-3mm	LED	2
Red	LED	LED3, LED4, LED5, LED7	LED-5mm	LED	4
Green	LED	LED6	LED-5mm	LED	1
Optocoupler		O1, O2	DIP4	PC817	2
TTL	Header, 3-Pin	P1	HDR1X3	Header 3	1
I2C	Header, 3-Pin	P2	HDR1X3	Header 3	1
DB9 Connector	Receptacle Assembly, 9 Position, Right Angle	P3	DB9 Female	DB9 Connector	1
CAN_CR	Header, 5-Pin	P4	HDR1X5	Header 5	1
CAN BUS	Receptacle Assembly, 9 Position, Right Angle	P5	DB9 Female	DB9 Connector	1
Header 4	Header, 4-Pin	P6	HDR1X4	Header 4	1
Phoenix terminal	Terminal 2 Pin	PWR1, T1	Phoenix2	Phoenix terminal 2	2
SI2301	P-Channel Power MOSFET	Q1, Q4	SOT-23_M	PMOS-2	2
2N3904	NPN Bipolar Transistor	Q2, Q3	SOT23_BEC_N	NPN	2
4.7K	Resistor	R1	Res-(1/4)	Resistor	1
1K	Resistor	R2, R5, R17	RES 1206 (3216X08L)	Resistor	3
1K	Resistor	R3, R6, R7	Res-(1/4)	Resistor	3
320	Resistor	R4, R8	Res-(1/4)	Resistor	2
10	Resistor	R9, R16	RES 1206 (3216X08L)	Resistor	2
470	Resistor	R10, R11, R12	RES 1206 (3216X08L)	Resistor	3
10k	Resistor	R13, R14, R15	RES 1206 (3216X08L)	Resistor	3
220	Resistor	R18, R19	RES 1206 (3216X08L)	Resistor	2
RST	Push Button Switch	S1	Switch - Push to On	Switch PB	1
STM8S903K3	STM8S903K3 8 bit Microcontroller	U1	CQFP80P-32N	STM8S903K3	1
LM1117IMP-3.3	x.x Volt, 800mA Low-Dropout Linear Regulator, 4-pin SOT-223	U2	MP04A_N	LM1117IMP-x.x	1
MAX232	+5V Powered, Multi-Channel RS-232 Driver/Receiver	U3	SO-16	MAX232	1
LM1117IMP-5.0	5 Volt, 800mA Low-Dropout Linear Regulator, 4-pin SOT-223	U4	MP04A_N	LM1117IMP-x.x	1
MCP2515	CAN Bus controller	U5	SOIC18-N	MCP2515	1
MCP2551	CAN Bus controller	U6	SOIC8	MCP2551	1
8 MHz	XTAL Crystal	Y1	XTAL Small	XTAL	1
16 MHz	XTAL Crystal	Y2	XTAL	XTAL	1