







Comment	Description	Designator	Footprint	LibRef	Quantity
10uF		C1, C2	CAP_RAD_D05x11	Capacitor(Radian)	2
104		C3, C4, C5, C6, C7, C8	C0805	Capacitors(SMD)	6
LED0805		D1, D2, D3, D4, D9, D10, D11, D12, D13, D14, D15, D16, D21, D22, D23, D24, D25	L0805RED	LED0805	17
1N4148	The fast switching diode	D5, D6, D7, D8, D17, D18, D19, D20	SOD-80	Diode-1N4148	8
STATUS		D26, D27	L0805RED	LED0805	2
Connector		J1, J2, J3, J4, J17, J18, J19, J20	DC_K375A_Power	JackDC	8
HEADER-MALE-2.54MM		J5, J6, J7, J8, J9, J10, J11, J12, J21, J22, J23, J24, J25, J26, J27	HEADER-MALE-03PINS-2.54MM	HEADER-MALE-03PINS-2.54MM	15
KF306		J13, J14, J15, J16, J28, J29, J30, J31	DG306-5.0-02P-12-00AH	DG306-5.0-02P-12-00AH	8
IN		J32	HEADER-MALE-04PINS-2.54MM	HEADER-MALE-04PINS-2.54MM	1
OUT		J33	HEADER-MALE-04PINS-2.54MM	HEADER-MALE-04PINS-2.54MM	1
SWD		J34	HEADER-MALE-05PINS-2.54MM	HEADER-MALE-05PINS-2.54MM	1
UART0		J35	HEADER-MALE-04PINS-2.54MM	HEADER-MALE-04PINS-2.54MM	1
Mini58FDE	Novoton 4Kb-RAM 32Kb-Flash	MCU1	TSSOP20_0.65_4.4	Mcu-Mini58FDE	1
2N3904		Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	SOT23-3	Transistor-2N3904	8
2N3906		Q9	SOT23-3	Transistor-2N3906	1
10k		R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29	R0805	Resistors-SMD	29
Relay-SONGLE-SRD-05VDC		RL1, RL2, RL3, RL4, RL5, RL6, RL7, RL8	RELAY-SONGLE-SRD-05VDC_BLUE	Relay-SONGLE-SRD-05VDC	8
3.3V		U1	SOT223-3	Ic-AMS1117(SOT-223)	1
74HC595D		U2	SO16	Ic-74HC595D	1
5.0V		U3	SOT223-3	Ic-AMS1117(SOT-223)	1
ENC28J60		U4	ENC28J60	ENC28J60	1
8MHz		Y1	SMD5032	Crystal	1