



Comment	Description	Designator	Footprint	LibRef	Quantity
Header 7			4 HEADER x7	Header 7	1
Test point	4.2V		TEST_POINT_VIA	Test point	1
Test point	5V		TEST_POINT_VIA	Test point	1
Test point	12V		TEST_POINT_VIA	Test point	1
AMSI117-3V3	AMSI117-3.3V 1A SOTAMS1	AMSI117	AMSI117-3V3	1	1
220uF/25V/Aluminu	Aluminum Capacitor	C1	CAP_ALU_SIZEE	CAP_ALU_220uF_25V	1
100uF/25V/Aluminu	Aluminum Capacitor	C2	CAP_ALU_SIZEE	CAP_ALU_220uF_25V	1
1uF/16V/1210	Ceramic Capacitor 1uF	C3	CAP_1210(3225)	CAP_CER_10uF_16V	1
1uF/16V/1210	Ceramic Capacitor 1uF	C4	CAP_1210(3225)	CAP_CER_10uF_16V	1
100uF/25V/Aluminu	Aluminum Capacitor	C5	CAP_ALU_SIZEE	CAP_ALU_220uF_25V	1
220uF/25V/Aluminu	Aluminum Capacitor	C6	CAP_ALU_SIZEE	CAP_ALU_220uF_25V	1
1uF/16V/1210	Ceramic Capacitor 1uF	C7	CAP_1210(3225)	CAP_CER_10uF_16V	1
100nF/0603	Ceramic Capacitor 100nF	C8	CAP_0603(1508)	CAP_CER_10uF_16V	1
100uF/6.3V	Tantalum SMD capa	C9	CAP_TAN_1210(3528)	CAP_TANTA_100uF	1
22uF/00805	Ceramic Capacitor 22uF	C10	CAP_0603(1508)	CAP_CER_10uF_16V	1
100nF/0603	Ceramic Capacitor 100nF	C11	CAP_0603(1508)	CAP_CER_10uF_16V	1
100nF/0603	Ceramic Capacitor 100nF	C12	CAP_0603(1508)	CAP_CER_10uF_16V	1
100nF/0603	Ceramic Capacitor 100nF	C13	CAP_0603(1508)	CAP_CER_10uF_16V	1
SS34-A	Diode LS 1A 1000V	D1	1N4007	1N4007	1
SS34-A	Diode LS 1A 1000V	D2	1N4007	1N4007	1
SS34-A	Diode LS 1A 1000V	D3	1N4007	1N4007	1
B340A	Diode LS 1A 1000V	D5	1N4007	1N4007	1
B340A	Diode LS 1A 1000V	D6	1N4007	1N4007	1
ESP32-WROOM-32		ESP1	ESP32-WROOM-32U	ESP32-WROOM-32	1
2.6A/15V/SD1812		F1	SMD 1812	Fuse	1
Test point			TEST_POINT_VIA	Test point	1
LED_RED	LED Red	IN1	LEDOB05RED	LED_RED	1
LED_RED	LED Red	IN2	LEDOB05RED	LED_RED	1
Terminal	Terminal	J1	Terminal 4P 90EDG 3	Terminal x4	1
Terminal	Terminal	J2	Terminal 4P 90EDG 3	Terminal x4	1
47uH 3A DIP 8x10mm		L1	Inductor SMD 12x12	Inductor	1
47uH 3A DIP 8x10mm		L2	Inductor SMD 12x12	Inductor	1
FB	FERRITE BEAD 600 O	L3	Inductor SMD 0805	Inductor	1
FB	FERRITE BEAD 600 O	L4	Inductor SMD 0805	Inductor	1
LM2596S-5V	LM2596S-5V	LM1	LM2596S TO263-5	LM2596S-5V	1
LM2596S-5V	LM2596S-5V	LM2	LM2596S TO263-5	LM2596S-5V	1
LED_RED	LED Red	OU2	LEDOB05RED	LED_RED	1
LED_RED	LED Red	OUT1	LEDOB05RED	LED_RED	1
LED_RED	LED Red	POW	LEDOB05RED	LED_RED	1
S8050	NPN	Q1	2SC1815-SMD	2SC1815	1
2.2K	Resistor 0603	R1	RES_0603(1608)	Resistor 0603	1
1K	Resistor 0603	R2	RES_0603(1608)	Resistor 0603	1
1K	Resistor 0603	R3	RES_0603(1608)	Resistor 0603	1
10K	Resistor 0603	R4	RES_0603(1608)	Resistor 0603	1
330R	Resistor 0603	R5	RES_0603(1608)	Resistor 0603	1
10K	Resistor 0603	R6	RES_0603(1608)	Resistor 0603	1
10K	Resistor 0603	R7	RES_0603(1608)	Resistor 0603	1
330R	Resistor 0603	R8	RES_0603(1608)	Resistor 0603	1
10K	Resistor 0603	R9	RES_0603(1608)	Resistor 0603	1
10R	Resistor 0603	R10	RES_0603(1608)	Resistor 0603	1
330R	Resistor 0603	R11	RES_0603(1608)	Resistor 0603	1
330R	Resistor 0603	R12	RES_0603(1608)	Resistor 0603	1
330R	Resistor 0603	R13	RES_0603(1608)	Resistor 0603	1
330R	Resistor 0603	R14	RES_0603(1608)	Resistor 0603	1
330R	Resistor 0603	R15	RES_0603(1608)	Resistor 0603	1
100R	Resistor 0603	R16	RES_0603(1608)	Resistor 0603	1
100R	Resistor 0603	R17	RES_0603(1608)	Resistor 0603	1
100R	Resistor 0603	R18	RES_0603(1608)	Resistor 0603	1
100R	Resistor 0603	R19	RES_0603(1608)	Resistor 0603	1
100R	Resistor 0603	R20	RES_0603(1608)	Resistor 0603	1
100R	Resistor 0603	R21	RES_0603(1608)	Resistor 0603	1
330R	Resistor 0603	R22	RES_0603(1608)	Resistor 0603	1
330R	Resistor 0603	R23	RES_0603(1608)	Resistor 0603	1
330R	Resistor 0603	R24	RES_0603(1608)	Resistor 0603	1
100R	Resistor 0603	R25	RES_0603(1608)	Resistor 0603	1
100R	Resistor 0603	R26	RES_0603(1608)	Resistor 0603	1
100R	Resistor 0603	R27	RES_0603(1608)	Resistor 0603	1
100R	Resistor 0603	R28	RES_0603(1608)	Resistor 0603	1
LED_BLUE	LED Blue	RXD	LEDOB05BLUE	LED_BLUE	1
LED_BLUE	LED Blue	TxD	LEDOB05BLUE	LED_BLUE	1
STWD100xxWY3F	Supervisor Open Dra	U1	STWD100xxWY3F	STWD100xxWY3F	1
TLP291-1K	Transistor Output	U2	TLP219-4Pin	TLP291	1
TLP291-1K	Transistor Output	U3	TLP219-4Pin	TLP291	1
TLP291-1K	Transistor Output	U4	TLP219-4Pin	TLP291	1
TLP291-1K	Transistor Output	U5	TLP219-4Pin	TLP291	1
Header 6		U11	HEADER x6	Header 6	1
10D390K		VR1	Varistor 10DXXXX	Cap Metal Oxide Var	1
Header 2		wd1	Header x2	Header 2	1
LED_BLUE	LED Blue	WIR	LEDOB05BLUE	LED_BLUE	1