

Component Count: 104

Ref	Value	Footprint
C1	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C2	2.2uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C3	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C4	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C5	4.7uF	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder
C6	4.7uF	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder
C7	470uF	Capacitor_THT:CP_Radial_D16.0mm_P7.50mm
C8	470uF	Capacitor_THT:CP_Radial_D16.0mm_P7.50mm
C9	2.2uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C10	4.7uF	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder
C11	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C12	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C13	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C14	33uF/100V	Capacitor_THT:CP_Radial_D8.0mm_P2.50mm
C15	33uF/100V	Capacitor_THT:CP_Radial_D8.0mm_P2.50mm
C16	33nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C17	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C18	33nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C19	100uF/35V	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm
C20	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C21	100uF/35V	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm
C22	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C23	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C24	1uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C25	1uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
D1	SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D2	SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D3	SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D4	1N4007	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D5	SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D6	SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D7	SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D8	1N4007	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D9	SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D51	LED1	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder

D52	LED2	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
F1	35A	ESP32:Mini_Blade
F2	35A	ESP32:Mini_Blade
H1	MountingHole	MountingHole:MountingHole_2.7mm
H2	MountingHole	MountingHole:MountingHole_2.7mm
H3	MountingHole	MountingHole:MountingHole_2.7mm
H4	MountingHole	MountingHole:MountingHole_2.7mm
J1	Solar-Battery	ESP32:Conn-Screw-4-term
J2	Interface	Connector_JST:JST_XH_B8B-XH-A_1x08_P2.50mm_Vertical
J3	10k Thermistor	Connector_JST:JST_XH_B2B-XH-A_1x02_P2.50mm_Vertical
J4	Conn_01x02	Connector_JST:JST_XH_B2B-XH-A_1x02_P2.50mm_Vertical
J5	ADS1015 Module	Connector_JST:JST_XH_B10B-XH-A_1x10_P2.50mm_Vertical
J6	TFT	Connector_JST:JST_XH_B5B-XH-A_1x05_P2.50mm_Vertical
J8	5V	Connector_JST:JST_XH_B2B-XH-A_1x02_P2.50mm_Vertical
L1	60uH	Inductor_THT:L_Toroid_Vertical_L41.9mm_W17.8mm_P12.70mm_Pulse_
L2	100uH/1A	Inductor_SMD:L_Taiyo-Yuden_NR-60xx_HandSoldering
L3	100uH/1A	Inductor_SMD:L_Taiyo-Yuden_NR-60xx_HandSoldering
Q1	CSD19505	Package_TO_SOT_THT:TO-220-3_Vertical
Q2	CSD19505	Package_TO_SOT_THT:TO-220-3_Vertical
Q3	CSD19505	Package_TO_SOT_THT:TO-220-3_Vertical
Q4	Si2306	Package_TO_SOT_SMD:SOT-23
Q5	Si2306DS	Package_TO_SOT_SMD:SOT-23
R1	200k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R2	5.1k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R3	3.3k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R4	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R5	1k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R6	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R7	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R8	100k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R9		100 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R10		100 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R11	100k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R12	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R13	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R14	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R15	1k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder

R16	47k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R17	47k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R18	18k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R19	3300	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R20	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R21	18k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R22	2000	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R23	3300	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R24	5600	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R25	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R26	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R27	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R28	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R29	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R30	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R31	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R32	47k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R33	47k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R34	1k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R36	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R37	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R38	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R39	0	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
U1	ACS712xLCTR-30V	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm
U2	B1212	ESP32:B1212S
U3	AMS1117-5.0	Package_TO_SOT_SMD:SOT-223-3_TabPin2
U4	XL7015	Package_TO_SOT_SMD:TO-252-5_TabPin3
U5	XL7015	Package_TO_SOT_SMD:TO-252-5_TabPin3
U6	XL7015_Module	ESP32:Module_XL7015
U7	IR2104	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm
U8	ESP-WROOM-32S	ESP32-Footprints:ESP-WROOM-32S
U9	XL7015_Module	ESP32:Module_XL7015