

Comment	Description	Designator	Footprint	LibRef	Quantity
IC1	Resistor (2042) 1A 1.25W8 (1A) #125°C8 (1) Fixed 3.2V - 3.2V Positive 1 20V SOT-89 Linear Voltage Regulators ROHS	AMS1_ AMS2	SOT89-150P35X150 JN	IC7	2
100S61K	920V 42.3J 180pf @1kHz 460V 350V 50A - 610V 2.5kA PlugIn Varistors ROHS	B1	100S61K	100S61K	1
UUR8Y-10MH	10mH Ind 1.2Q 2 500mA 50V PlugIn Common Mode Filters ROHS	B2	UUR8Y10MH	UUR8Y-10MH	1
3296X-1-103	#10% 10kQ PlugIn Variable Resistors/Potentiome ters ROHS	B3	3296X1223LF	3296X-1-103	1
ESP32-C3-WROOM-02-N4	WiFi Modules (802.11) (Engineering Samples) SMD module, ESP32-C3, 4MB SPI flash, PCB antenna, 40 C +/-85 C	B4	ESP32C3WROOM02N 4	ESP32-C3-WROOM- 02-N4	1
0.1uF	0.1uF +/-10% -40°C - +110°C X2 275VAC Radial Loaded P - 15mm Suppression Capacitors ROHS	C1	MPX-104K275VAC-C- 02	MPX-104K275VAC-C- 02	1
220uF	40°C - +85°C 2000uV@85°C 220uF 10mm 14V 8mm 215mA@120Hz ±20% SMD, D8xL10mm Aluminum Electrolytic Capacitors - SMD ROHS	C2	CAPAE330X1050N	UUR1C221MNL1G5	1
22uF	Chip Multilayer Ceramic Capacitors for General Purpose, 8805, 22uF, X5R, 15%, -20%, 16V	C3, C5	FP-GRM219-0_2- 0_15-IPC_A	OMP-06035-054251-1	2
10uF	0.7V 10uF X5R ±20% 0402 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C4, C6, C7	CAPC1005X70N	CL05A106M025NUNC	3
100nF	X7R 100F 14V ±10% 0402 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C8	CAPC1050X55X23ML 0711	OMP-2000-05439-1	1
1uF	X5R 10V 1uF ±10% 0402 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C9	FP-CL511-IPC_C	OMP-13271-001936-1	1
12pF	50V 12pF C0G ±5% 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C10, C11	CAPC1608X90X30L1 DT20	OMP-2000-06098-1	2
S0125-482-0-5A	SMD Fuses ROHS	C1	CAPC6125025W	S0125-482-0-5A	4
5004	PC TEST POINT MINIATURE YELLOW	J1, J2, J3, J4, J5	FP-5004-MFG	OMP-2000-05575-2	5
10118192-0001LF	Single Port 5 Contact Horizontal Right Angle Shielded Micro B USB 3.0 Connector	J6	AMPHENOL_1011819 2-0001LF	10118192-0001LF	1
AC supply	13.5A 400V Green Straight pin 5.08mm 1 2 PlugIn,P-5.08mm Screw terminal ROHS	P1	PHOE-1729128-2_V	OMP-2000-05815-1	1
uv lamp	13.5A 400V Green Straight pin 5.08mm 1 2 PlugIn,P-5.08mm Screw terminal ROHS	P2	PHOE-1729128-2_V	OMP-2000-05815-1	1
Header 3	Header, 3 Pin	P3	HDR1X3	Header 3	1
Hum/Tem Sensor	507021 Header, 4 Pin	P4	HDR1X4	Header 4	1
CO2/WOC sensor	52P20 Header, 4 Pin	P5	HDR1X4	Header 4	1
CH2O sensor	5 Sensor Modules ROHS	P6	HDR1X4	Header 4	1
CO sensor	0517 Header, 4 Pin	P7	HDR1X4	Header 4	1
CO sensor	MG131 Header, 4 Pin	P8	HDR1X4	Header 4	1
LED 1A	LED 2 Pin	P9	HDR1X2	Header 2	1
Header 5	Header, 5 Pin	P10, P11	HDR1X5	Header 5	2
Header 4	Header, 4 Pin	P12, P13	HDR1X4	Header 4	2
PM sensor	PM55003 Sensor Modules ROHS	PM55003	PM55003 PM2.5 Sensor	PM55003 PM2.5 Sensor	1
BC548B	100nA 30V 625mW 200pA nA 5V 100mA 150MHz 300mV@100mA 5mA NPN - +150°C (1) TO-92-3 Bipolar Transistors - BJT ROHS	Q1	BC548B	BC548B	1
0R	RES SMD 0 Ohm JUMPER 1/16W 0402	R1, R2, R6, R7, R10, R11, R13, R14, R15, R16	FP-BC2042-0_4- IPC_A	OMP-2002-07342-2	10
10kQ	42 5mW 50V ±100ppm/°C ±1% - 55°C - +155°C 10kQ 0402 Chip Resistor - Surface Mount ROHS, 50V 10kQ Thick Film Resistors 62.5mW ±1% 55°C - +155°C ±100ppm/°C 0402 Chip Resistor - Surface Mount ROHS	R3, R4, R5, R8, R9, R12	RESC1005X40X25L10 5T10	OMP-2002-07353-1	6
Switch	Surface Mount 50mA DPDT 3.2mm 12V 9.1mm 12V 3.55mm 50mA 10000 SMDpicking Rectangular columnar - 40°C - +80°C Black SMD Slide Switches ROHS	S1	SK3245SL1A	SK-3245S-L1-A	1
TL1105AF160Q	4mm 1.4mm Round Button 50mA Straight 4mm SPST 12V PlugIn, 4x4mm Tactile Switches ROHS	S2, S3	TL1105AF160Q	TL1105AF160Q	2
Display	Header, 4 Pin	SSD1306	HDR1X4	Header 4	1
HLK-10M05	1W 2A 90VAC - 265VAC 1 120V - 350V Isolated Regulated 10W AC- DC 80% PlugIn Power Modules ROHS	U1	FP-HLK-10M05-MFG	OMP-218581-000001-1	1
33.768kHz	±40°C - +85°C 33.768kHz 12.5pF 70kQ ±20ppm SMD3215-2P Crystals ROHS	Y1	FP-AB507-MFG	OMP-0447-00001-4	1