

Designator	Comment	Ref. Part #	Manufacturer	Desc. Refs	Package	AltRef	Quantity	1536 Part #
A1, A2	IC1	AMS1117-3.3	YONGYU787A	AMS1117-3.3V - 3.3V 1A 1.250W(1A) 4-12PCs(12) Fixed 3.3V - 3.3V SOT-89 Linear Voltage Regulator (LDO) ROHS	SOT89- 150P350X150-3H	AC7	2	C2904742
B1	10D561K	10D561K	Hongshi Elec	100V 41.3J 180P 0.1mH 400V 200V 100V - 41.6V 2.5A Plug-in Variators ROHS	10D561K	10D561K	1	C113236
B2	U09-BY-100M	U09-BY-100M	FH (Guangdong Fenghua Advanced Tech)	1000P 342G 1.25 2.500MA SMD Plug-in Common Mode Filtering ROHS	BJYBY100M	U09-BY-100M	1	C125192
B3	3296X-1-103	3296X-1-103	ROCHENChengsi (Guangdong Fuch)	4-10V 10A2 Plug-in Variable Resistor/Photores istor ROHS	329AX1223.F	3296X-1-103	1	C118955
B4	ESP32-C3- WROGM-02-N4	ESP32-C3- WROGM-02-N4	Espressif Systems	WiFi Modules BQ1-113 (Engineering Sample) SMD module, ESP32- C3, 408K SPI Flash, PCB antenna, 40 C, 485 C	ESP32C3WROGM- 02N4	ESP32-C3- WROGM-02-N4	1	C1294560
C1	0.1uF	X2-104K-275VAC	NDF	X2 1000V 0.10FA 275V Plug-in P=15mm Suppression Capacitors ROHS	MPF-104K275VAC- C-02	MPF-104K275VAC- C-02	1	C014484
C2	220uF	UUR1C221MML1G S	Nichicon	40V C 2000Vrms(50C) 220uF 10mm 140V Rise 275mA@ 120Hz 4.20%, SMD D6xL 10mm Aluminum Electrolytic Capacitors - SMD ROHS	CAFAE80X1050M- S	UUR1C221MML1G S	1	C144527
C3, C5	22uF	GRM219M61C26 MF15L	Murata Electronics	Chip Multilayer Ceramic Capacitors for General Purpose 300V, 22uF, X5R, 175V, 20%, 16A	FF-GRM219-6-3- X-15-1PC_A	CMP-06035- 050201-1	2	C142295
C4, C6, C7	1uF	CL05A106M020AU NC	Samsung Electro- Mechanics	0.3V 10uF X5R 2.5V 0.002 Multilayer Ceramic Capacitors MLC 3045V0MT ROHS	CL05A106M020AU NC	CL05A106M020AU NC	3	C155525
C8	100uF	CL08B104K030BA NC	Samsung Electro- Mechanics	6.7V 100uF 10V 4.0% 0.002 Multilayer Ceramic Capacitors MLC 3045V0MT ROHS	CAPC1050X0303- ML06113	CMP-2000-05439- 1	1	C151525
C9	1uF	CL05A105K030BA NC	Samsung Electro- Mechanics	X5R 10V 1uF 4.0% 0.002 Multilayer Ceramic Capacitors MLC 3045V0MT ROHS	FF-CL511-1PC_C	CMP-13271- 007036-1	1	C144445
C10, C11	10pF	CL11C1120JB000NA C	Samsung Electro- Mechanics	50V 120pF C0G 45V 0.003 Multilayer Ceramic Capacitors MLC 3045V0MT ROHS	CAPC1408X00X30- AL10720	CMP-2000-06098- 1	2	C135523
D1	000000			Resistor, 4-70V, 0.000000	000000	Resistor 4	1	
F1	S6125-MQ-0.5A	S6125-MQ-0.5A	GART(Raeyang Sart Tech)	SMD Fuse ROHS	CAPC6125X25N	S6125-MQ-0.5A	1	C1245172
J1, J2, J3, J4, J5	5004	5004	Keystone	PC TEST POINT RHS LTR YELLOW	FF-5004-MFG	CMP-2000-05275- 2	1	C1296762
J6	10118192-0001LF	10118192-0001LF	Amphenol ICC	Single Port 5 Contact Horizontal Right Angle Shielded Micro B USB 2.0 Connector	AMP9EN0CL1011 8192-0001LF	10118192-0001LF	1	C1212564
P1	AC supply	1729128	Phoenix Contact	13.5A 400V Green Straight plug 5.08mm 1.2 Plug-in P=5.08mm 2_V Screen terminal ROHS	PHOE-1729128- 2_V	CMP-2000-05815- 1	1	C015153
P2	uv lamp	1729128	Phoenix Contact	13.5A 400V Green Straight plug 5.08mm 1.2 Plug-in P=5.08mm 2_V Screen terminal ROHS	PHOE-1729128- 2_V	CMP-2000-05815- 1	1	C015153
P3	Humidity 3			Humidity 3-20%	020C134	Humidity 3	1	
P4	Hum/Tem Sensor			02011 Header: 4 pin	HDR134	Header 4	1	
P5	0.02VDC sensor			02030 Header: 4 pin	HDR134	Header 4	1	
P6	CH20 sensor	ZE08-CH20	Chengsheng Winnipac Elec Tech	1-Sensor Module S04S	HDR134	Header 4	1	C141344
P7	CO2 sensor			02127 Header: 4 pin	HDR134	Header 4	1	
P8	CO2 sensor			02131 Header: 4 pin	HDR134	Header 4	1	
P9	PM2.5003	PM2.5003	Beijing Phantower	PM2.5003 Sensor Module ROHS	HDR136	Header 6	1	C1291431
P10	027 FAN			Humidity 3-20%	020C132	Humidity 2	1	
P11, P12	Humidity 3			Humidity 3-20%	020C132	Humidity 3	1	
Q1	25D313	25D313	Jiangsu Changjing Electronics Technology Co., Ltd.	MPN Transistor T0-100	T0304PH08X1010 4500W-3P	25D313	1	C13031919
R1, R2, R4, R5, R6, R7, R10, R12, R13, R14, R16, R17	0R	MO-402FR-070R	Yageo	0R5 SMD 0 OHM 1/4W 1716W 0V_C	MP-40M02-0-4- 0V_C	CMP-0602-07342- 2	12	C1206231
R3	470Q	RC0603FR-07470R	VAGCO	100mW Thick Film Resistor 10V 4100ppm/C 470K - 1% 50°C - 155°C 470Q 0603 Chip Resistor - Surface Mount ROHS	RESC1408X05X25- AL10115	CMP-1409-00005- 2	1	C114649
R8, R9, R11	10KQ	RC0402FR-0710K	VAGCO	20V 10mW Thick Film Resistor 60 200V 0.1% 50°C - 155°C 4-100ppm/C SMD Chip Resistor - Surface Mount ROHS	RESC1005X40X25- AL15710	CMP-2002-07353- 1	3	C140490
S1	Switch	SK-32405-L1-A	KOB Connectivity	Surface Mount 050A DPDT 0.2mm 1.2V 1.1mm 1.2V 1.00mm 0.00A 10000 SMT/Plating Rectangular Solamter 40°C - 85°C Black SMD SMD Switches ROHS	SE32405L1A	SK-32405-L1-A	1	C1405951
S2, S3, S4	TL1105AF140Q	TL1105AF140Q	E-Switch	4mm 1.4mm Round Button 050A Straight 0mm SPI 1.2V Plug-in, 4.0mm Tactile Switches ROHS	TL1105AF140Q	TL1105AF140Q	3	C1273465
U1	HLK-10M05	HLK-10M05	Hi-LINK	3V 2A R04AC-2A5VAC 1 1.2W - 350V Regulator Regulated 10W AC DC 80% Plug-in Power Resistor ROHS	FF-HLK-10M05- MFG	CMP-2180B1- 000001-1	1	C1403745
V1	32.768KHz	ABS07- 32.768KHz-T	Rohicon LLC	40°C - 85°C 32.768kHz 12.5pF 180 2.000mm SMD3215-3P Crystal ROHS	FF-ABS07-MFG	CMP-0447-00001- 4	1	C125253