



Comment	Description	Designator	Footprint	LibRef	Quantity
IC1	75dB@(120Hz) 1A 1.25V@(1A) ±125°C@(TJ) Fixed 3.3V ~ 3.3V Positive 1 20V SOT-89 Linear Voltage Regulators (LDO) ROHS	AMS1	SOT89-150P350X150- 3N	IC?	1
10D561K	920V 42.3J 180pF@1kHz 460V 350V 504V ~616V 2.5kA PlugIn Varistors ROHS	B1	10D561K	10D561K	1
UU9.8Y-10MH	Common Mode Chokes / Filters Power Line 10mH @ 1kHz 500mA Through Hole RoHS	B2	UU98Y10MH	UU9.8Y-10MH	1
3296X-1-103	3296X side adj cermet trimmer,10K 10mm	B3	3296X1223LF	3296X-1-103	1
0.1uF	0.1uF ±10% - 40°C ~ +110°C X2 275VAC Radial Leaded,P=15mm Suppression Capacitors ROHS	C1	MPX-104K275VAC-C- D2	MPX-104K275VAC-C- D2	1
UUR1C221MNL1GS	Nichicon 220uF 16V dc Aluminium Electrolytic Capacitor, Surface Mount 8 (Dia.) x 10mm +85C 8mm	C2	CAPAE830X1050N	UUR1C221MNL1GS	1
22uF	Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 22uF, X5R, 15%, 20%, 16V	C3	FP-GRM219-0_2- 0_15-IPC_A	CMP-06035-056251-1	1
10uF	6.3V 10uF X5R ±20% 0402 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C4	CAPC1005X70N	CL05A106M05NUNC	1
S6125-M2-0.5A	SMD Fuses ROHS	F1	CAPC6125X25N	S6125-M2-0.5A	1
5004	PC TEST POINT MINIATURE YELLOW	J1, J2, J3, J5, J6	FP-5004-MFG	CMP-2000-05575-2	5
ESP32-WROOM-32	Dual core, Wi-Fi: 2.4 GHz up to 150 Mbps/s,BLE (Bluetooth Low Energy) and legacy Bluetooth, 32 bits, Up to 240 MHz	M1	ESP32-DEVKIT-V1	ESP32-DEVKIT-V1	1
AC Current supply pin Header 2	Header, 2-Pin	P1	HDR1X2	Header 2	1
uv lamp connect pin Header 2	Header, 2-Pin	P2	HDR1X2	Header 2	1
Header 3	Header, 3-Pin	P3	HDR1X3	Header 3	1
SI7021 Sensor Header	Header, 4-Pin	P4	HDR1X4	Header 4	1
SGP30 Sensor Header	Header, 4-Pin	P5	HDR1X4	Header 4	1
ZE08-CH2O sensor Header	Header, 4-Pin	P6	HDR1X4	Header 4	1
MQ7 sensor Header	Header, 4-Pin	P7	HDR1X4	Header 4	1
MQ131 sensor Header	Header, 4-Pin	P8	HDR1X4	Header 4	1
5V FAN Header 2	Header, 2-Pin	P9	HDR1X2	Header 2	1
PMS5003 PM2.5 Sensor		PMS5003 PM2.5 Sensor	PMS5003 PM2.5 Sensor	PMS5003 PM2.5 Sensor	1
2SC1384-TA	Bipolar Transistors - BJT NPN Si Transistor Epitaxial	Q1	2SC1384-TA	2SC1384-TA	1
0R	RES SMD 0 OHM JUMPER 1/16W 0402	R1, R2, R3	FP-RC0402-0_4- IPC_A	CMP-2002-07342-2	3
10kΩ	62.5mW 50V ±100ppm/°C ±1% - 55°C ~ +155°C 10kΩ 0402 Chip Resistor - Surface Mount ROHS	R4, R5	RESC1005X40X25LL0 5T10	CMP-2002-07353-1	2
RC0603FR-073K3L	Chip Resistor, 3.3 KOhm, +/- 1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R6	RESC1608X55X25ML 10T15	CMP-1012-00567-2	1
KAE01LAGT	DIP Switches / SIP Switches 1 Position Extended Splayed	S1	KAE01LAGT	KAE01LAGT	1
Display	Header, 4-Pin	SSD1306	HDR1X4	Header 4	1
HLK-10M05	10W Ultra-Compact Power Module	U1	FP-HLK-10M05-MFG	CMP-218581-000001- 1	1