



Title		
Size	Number	Revision
A4		
Date:	28/11/2022	Sheet of
File:	C:\Users\...\air quality monitor.SchDoc	Drawn By:

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	AMS1117	SOT89-150P350X150-3N	IC?	1
10uF	6.3V 10uF X5R ±20% 0402 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C1	CAPC1005X70N	CL05A106MQ5NUNC	1
22uF	Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 22uF, X5R, 15%, 20%, 16V	C2	FP-GRM219-0_2- 0_15-IPC_A	CMP-06035-056251-1	1
5004	PC TEST POINT MINIATURE YELLOW	J1, J2, J3	FP-5004-MFG	CMP-2000-05575-2	3
10118192-0001LF	Single Port 5 Contact Horizontal Right Angle Shielded Micro B USB 2.0 Connector	J?	AMPHENOL_1011819 2-0001LF	10118192-0001LF	1
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
Header 6	Header, 6-Pin	P1	HDR1X6	Header 6	1
MQ7 sensor Header	Header, 4-Pin	P2	HDR1X4	Header 4	1
MQ131 sensor Header	Header, 4-Pin	P3	HDR1X4	Header 4	1
Si7021 Sensor Header	Header, 4-Pin	P4	HDR1X4	Header 4	1
SGP30 Sensor Header	Header, 4-Pin	P5	HDR1X4	Header 4	1
Header 4	Header, 4-Pin	P6	HDR1X4	Header 4	1
PMS5003 PM2.5 Sensor		PMS5003 PM2.5 Sensor	PMS5003 PM2.5 Sensor	PMS5003 PM2.5 Sensor	1
OR	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
Pin Header x4 - Display		SDS011	dispay	Pin Header x4 - Display	1