





Bill of Materials for Altium\_PCB.PrjPcb

Source Data From: Altium\_PCB.BomDoc  
Variant: None  
Report Date: 07/01/2025 12:05

Primary						Secondary							
Altium Vault P/N	Designator	Description	Qty	Supplier	Supplier Part Number	Manufacturer	Manufacturer Part Number	Supplier Unit Price	Supplier	Supplier Part Number	Manufacturer	Manufacturer Part Number	Supplier Unit Price
CMP-03913-53914628-1	C1	865080663020 WCAP-ASU Aluminum Electrolytic Capacitors	1	Digikey	732-8465-1-ND	Wurth Electronics	865080663020	2.5400					
CMP-026-000437-1	C2, C4, C7, C8	CAP CER 0.1UF 50V X7R 0805	4	Future Electronics	3103996	Murata	GCM21BR71H104KA37K	0.2897					
CMP-026-000648-1	C3, C5	CAP CER 10UF 35V XSR 0805	2	Future Electronics	9104080	Murata	GRM21BR6YA106ME43L	0.3187					
CMP-026-000525-1	C6	CAP CER 1UF 50V X7R 0805	1			Murata	GRJ21BR71H105KE01L						
CMP-1060-00002-1	D1	Zener Voltage Regulator, 225 mW, 3-Pin SOT-23, Pb-Free, Tape and Reel	1	Mouser	863-BZ64C6V8L1TG	ON Semiconductor	BZ64C6V8L1TG	0.0966					
XT60PW-M	J1	Connector	1										
Header 6H	J2	Header, 6-Pin, Right Angle	1	Rs	8281660	Wurth Electronics	81300611021	0.5540					
Header 2	PR11, PR12, PR21, PR22	Header, 2-Pin	4										
Header 3	PT1	Header, 3-Pin	1										
CMP-07173-000101-1	QN1, QN2	MOSFET N-CH 50V 220MA SOT-23	2	Newark	59K8769	ON Semiconductor / Fairchild	BSS138	0.1931					
FOB229101M	QP1, QP2	MOSFET (P-Channel)	2										
CMP-015-001045-1	R1	RES SMD 15K OHM 5% 2/3W 1206	1	Mouser	667-ERJ-P08J153V	Panasonic	ERJ-P08J153V	0.1449					
CMP-015-001133-1	R2	RES SMD 820 OHM 5% 2/3W 1206	1	Mouser	667-ERJ-P08J821V	Panasonic	ERJ-P08J821V	0.1449					
CMP-009-00033-5	R3, RPU4	Chip Resistor, 4.7 Kohm, +/- 1%, 0.25 W, -55 to 155 degC, 1206 (3216 Metric)	2	Newark	53K2354	Vishay	CRCW12064K70FKEA	0.0106					
CMP-015-001023-1	R4	RES SMD 1K OHM 5% 2/3W 1206	1	Newark	85AK4526	Panasonic	ERJ-P08J102V	0.0222					
CMP-015-000202-1	R5, R6	RES SMD 10.2 OHM 1% 1/4W 1206	2	Arrow Electronics	ERJ-8ENF10R2V	Panasonic	ERJ-8ENF10R2V	0.0157					
CMP-015-000849-1	R7, R8	RES SMD 3.3K OHM 5% 1/4W 1206	2	Newark	65T8932	Panasonic	ERJ-8GEYJ332V	0.0087					
CMP-1666-00017-2	R_shunt1	Chip Resistor, 0.5 Ohm, +/- 1%, 1 W, -65 to 275 degC, 2512 (6432 Metric), RoHS, Tape and Reel	1	Mouser	71-WSLT2512R5000FEA	Vishay Dale	WSLT2512R5000FEA	0.7242					
CMP-015-001025-1	Ren1, RIO01	RES SMD 100K OHM 5% 2/3W 1206	2	Newark	85AK4527	Panasonic	ERJ-P08J104V	0.0145					
CMP-015-001084-1	RPD1, RPD2, RPU1, RPU2, RPU3	RES SMD 33K OHM 5% 2/3W 1206	5	Mouser	667-ERJ-P08J333V	Panasonic	ERJ-P08J333V	0.0493					
CMP-12735-000001-1	U1	IC COMPARATOR SGL DIFF SOT-25	1	Newark	79R5893	Diodes	AP331AWG-7	0.0657					
CMP-194066-000027-1	U2	RX TXRX MOD WIFI TRACE ANT SMD	1			Espressif Systems	ESP32-WROOM-32E (16MB)						
CMP-0704-00041-3	U3	IC CURRENT MONITOR 1% SOT23-8	1	Mouser	595-INA219AIDCNR	Texas Instruments	INA219AIDCNR	1.9200					
TL5850B0TEV33ATMA1	ULR1	Integrated Circuit	1										
CMP-0253-00024-2	UT1, UT2, UT3, UT4	High-Precision 1-Wire Digital Thermometer, -55 to 125 degC, 8-Pin SOP (US+1), Pb-Free, Tape and Reel	4	Newark	73Y1392	Maxim	DS18B20U+T&R	3.5400					