



Bill of Materials fo Altium_PCB.PrjPcb

Source Data From: Altium_PCB.BomDoc
Variant: None
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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	86508063020 WCAP-A.SLI Aluminum Electrolytic Capacitors	1	Mouser	710-86508063020	Würth Electronics	86508063020	2,3500					
CMP-026-000437-1	C2, C4, C7, C8	CAP CER 0.1UF 50V X7R 0805	4	Digikey	490-8049-1-ND	Murata	GCM21BR71H104KA37K	0.2944					
CMP-026-000648-1	C3, C5	CAP CER 10UF 35V X5R 0805	2	Mouser	81-GRM21BR6YA106ME3L	Murata	GRM21BR6YA106ME43L	0.2765					
CMP-026-000525-1	C6	CAP CER 1UF 50V X7R 0805	1			Murata	GRU21BR71H105KE01L						
CMP-1060-00902-1	D1	Zener Voltage Regulator, 225 mW, 3-Pin SOT-23, Pb-Free, Tape and Reel	1	Mouser	863-BZX84C6V8LT1G	ON Semiconductor	BZX84C6V8LT1G	0.0892					
XT60PW-M	J1	Connector	1										
Header 6H	J2	Header, 6-Pin, Right Angle	1	Rs	8281660	Würth Electronics	61300611021	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	Avnet	58K8769	ON Semiconductor / Fairchild	BSS138	0.2070					
FB322P10FM	QP1, QP2	MOSFET (P-Channel)	2										
CMP-015-001045-1	R1	RES SMD 15K OHM 5% 2/3W 1206	1	Digikey	P15KALCT-ND	Panasonic	ERJ-P08J153V	0.1338					
CMP-015-001133-1	R2	RES SMD 620 OHM 5% 2/3W 1206	1	Mouser	667-ERJ-P08J621V	Panasonic	ERJ-P08J621V	0.1338					
CMP-015-000572-1	R3	RES SMD 470 OHM 1% 1/4W 1206	1	New ark	64RS470	Panasonic	ERJ-8BNF4700V	0.0161					
CMP-015-001023-1	R4	RES SMD 1K OHM 5% 2/3W 1206	1	New ark	85AK4526	Panasonic	ERJ-P08J102V	0.0214					
CMP-015-000202-1	R5, R6	RES SMD 10.2 OHM 1% 1/4W 1206	2	Digikey	P10.2FCT-ND	Panasonic	ERJ-8BNF10R2V	0.1427					
CMP-015-000849-1	R7, R8	RES SMD 3.3K OHM 5% 1/4W 1206	2	New ark	65T8932	Panasonic	ERJ-8GEYJ332V	0.0116					
CMP-00030-44432532-1	R_shunt1	WSLT2512R1000FEA Res Metal Strip 2512 0.1 Ohm 1% 1W ±75ppmC Pad SMD Automotive T/R	1	New ark	08AJ1756	Vishay Dale	WSLT2512R1000FEA	0.4103					
CMP-015-001025-1	Res1, RIO1	RES SMD 100K OHM 5% 2/3W 1206	2	New ark	85AK4627	Panasonic	ERJ-P08J104V	0.0214					
CMP-015-001094-1	RFO1, RPO2, RPU1, RPU2, RPU3	RES SMD 33K OHM 5% 2/3W 1206	5	Mouser	667-ERJ-P08J333V	Panasonic	ERJ-P08J333V	0.0393					
CMP-009-00033-5	RPU4	Chip Resistor, 4.7 KOhm, ±1%, 0.25 W, -55 to 155 degC, 1206 (3216 Metric)	1	New ark	61M5575	Vishay	CRCW12064K70FKEA	0.0176					
CMP-12735-000001-1	U1	IC COMPARATOR SGL DIFF SOT-25	1	New ark	79RS993	Diodes	AP331AWG-7	0.0990					
CMP-194065-000027-1	U2	RX TXRX MOD WRT TRACE ANT SMD	1			Espressif Systems	ESP32-WROOM-32E (16MB)						
CMP-0704-00041-3	U3	IC CURRENT MONITOR 1% SOT23-8	1	Digikey	296-23770-1-ND	Texas Instruments	NA219ADCNR	2.0100					
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 (U8+1), Pb-Free, Tape and Reel	4	New ark	73Y1392	Maxim	DS18B20U+T&R	3.4900					