

3 Proto Budget : 168,778

Mouser Order	80,24
Aliexpress Order	10,49
JLPCB Manufacturing	2
Review	40

Mouser Order
Aliexpress Order
Already in stock
Not a component

Designator	Footprint	Designation	Mouser				LCSC				Aliexpress			STOCK	ORDER nb	Mouser Order	Aliexpress Order
			REF	Price(HT)	Minimum	Manufacturer	REF	Price (€)	Min	Manufacturer	Price (€)	Port	Nb min				
2V8,A3:K371V3,3V3,4V1	TestPoint_Pad_D1.5	TestPoint															
C14,C7,C8,C3,C16,C5,C4	C_0805_2012Metric 0.1u		581-KGM21NR71E104KT	0,093	1	KYOCERA AVX	C1711	0,0056	100	Samsung Electro-Mechanics				0	35	1,05	
C15, (C1)	CP_EIA-7343-31_Kei 100u		80-T491D107K016	0,921	1	KEMET	C110548	0,5201	1	KEMET				0	5	4,605	
C17,C18,C19	C_0805_2012Metric 15p		581-08053A150KAT2A	0,167	1	KYOCERA AVX	C1794	0,0121	50	Samsung Electro-Mechanics				0	15	1,91	
C2,C13,C10,C11,C12,C6	C_0805_2012Metric 1u		581-KAF21KR71H105KU	0,288	1	KYOCERA AVX	C28323	0,0083	50	Samsung Electro-Mechanics				44			
C20	C_0805_2012Metric 1u(nc)																
C9	C_0805_2012Metric 10u		581-0805YC106KAT2A	0,846	1	KYOCERA AVX	C15850	0,0101	50	Samsung Electro-Mechanics				0	10	7,47	
CON-BAT+	SolderWire-2.5sqmm LiFePo4																
CON-SOL+	SolderWire-2.5sqmm Solar_Cell																
J1	USB_C_Receptacle_USB_C_USB2.0		640-USB4105-GF-A-120	0,772	1	GCT	C167321	0,3374	5	Jing Extension of the Elec Co.				0	5	3,86	
J2	CENTRAL-HEADER_Conn_02x06										0,398		10	0	5		3,98
J4	PinHeader_1x06_P2_Conn_01x06_Pin										4,44		1	2			
JUMPER-BAT1, JUMPER-U	PinSocket_1x02_P2_Jumper_2_Bridged						C917636	0,0387	10	XKB Connectivity				15			
L1	XEL4030-222MEC_2.2u		994-XEL4030-222MEC	2,26	1	Coilcraft	C2998753	0,6235	1	Sumida				0	3	6,78	
R11	R_0805_2012Metric NC																
R14	R_0805_2012Metric 62k		71-CRCW080562K0FKEA	0,093	1	Vishay / Dale	C17783	0,0017	100	UNI-ROYAL(Uniroyal Elec)				0	10	0,23	
R16,R15,R19	R_0805_2012Metric 100R		71-CRCW0805-100-E3	0,093	1	Vishay / Dale								0	20	0,62	
R18	R_0805_2012Metric 2k		71-CRCW08052K00JNEA	0,093	1	Vishay / Dale								0	10	0,19	
R2	R_0805_2012Metric 375R(0,8A) 750R(0,4A)		71-CRCW0805-750-E3	0,093	1	Vishay / Dale								0	10	0,23	
R21,R20,R27,R22	R_0805_2012Metric 10k		71-CRCW080510K0FKEAC	0,093	1	Vishay / Dale								99			
R24	R_0805_2012Metric 14k		71-CRCW0805-14K-E3	0,093	1	Vishay / Dale								0	10	0,23	
R25,R26	R_0805_2012Metric 1M		71-CRCW08051M00FKEAC	0,093	1	Vishay / Dale								98			
R3,R4	R_0805_2012Metric 5.1k		71-CRCW08055K10JNEA	0,093	1	Vishay / Dale								0	20	0,46	
R6,R17,R23,R5	R_0805_2012Metric 100k		71-CRCW0805100KFKEBC	0,093	1	Vishay / Dale								0	20	0,58	
R7,R10,R9,R8,R13,R12	R_0805_2012Metric 0R		71-CRCW08050000Z0EC	0,093	1	Vishay / Dale	C17477	0,0016	100	UNI-ROYAL(Uniroyal Elec)				0	20	0,46	
TH1	PinHeader_1x02_P2 NTC																
U1	TSSOP-16_4.4x5mm PCA9557PW		595-PCA9557PWR	1,4	1	Texas Instruments	C141380	0,43	1	NXP Semicon				0	3	4,2	
U10	SOT-23-3_XC6206P182MR-G		865-XC6206P182MR-G	0,651	1	Torex Semiconductor	C424700	0,1349	5	Torex Semiconductor				0	5	3,255	
U11	ESP32-WROVER ESP32_WROVER		356-ESP32WRVIE2864UC	3,15	1	Espressif Systems	C529591	3,9246	1	Espressif Systems				0	3	9,45	
U14,U12,U16	F34G1A7Q1E8C24 ~		649-F34G1A7Q1E8C24	0,437	1	Amphenol Aorora	C5373439	0,0636	5	SHOU HAN				0	10	3,71	
U15,U13	Bosch_LGA-8_2.5x2 BME280		262-BME280	5,9	1	Bosch Sensortec	C92489	3,4781	1	Bosch Sensortec				0	4	23,6	
U2	VSON10_BQ25171_BQ25171QWDRCRQ1		595-BQ25171QWDRCRQ1	1,71	1	Texas Instruments	C2861221	1,3995	1	Texas Instruments				12			
U3	SOIC-16_3.9x9.9mm CH340C						C84681	0,4433	1	WCH(Jiangsu Qin Heng)	0,468		5	0	5		2,34
U4	SOT-363_SC-70-6 UMH3N		755-UMH3NTN	0,428	1	ROHM Semiconductor	C62892	0,0502	10	Jiangsu Changjing				0	5	2,14	
U5	SIM800L-CORE SIM800L-CORE										2,77		1	2			
U6	SOT-23-6_Handsold: FS8205						C32254	0,169	5	Fortune Semicon	0,098		10	0	5		0,98
U7	SOT-23-6_Handsold: HY2112 (HB)						C168763	0,1222	5	HYCON Tech	0,319		10	0	5		3,19
U8	SOT-23-6_Handsold: TLV61070A		595-TLV61070ADBVR	0,465	1	Texas Instruments	C6881375	0,2857	5	Texas Instruments				0	5	2,325	
U9	SOT-23-3_XC6206P252MR-G		865-XC6206P252MR-G	0,577	1	Torex Semiconductor	C5250983	0,0168	20	TWGMC				0	5	2,885	