

3 Proto Budget : 168,778 €

	Price	VAT/Transport
Mouser Order	80,24	16,048
Aliexpress Order	10,49	10
JLPCPB Manufacturing	2	10
Review	40	

Mouser Order
Already in stock
Not a component
Aliexpress Order

Designator	Footprint	Quantity	Designation
2V8,A3:K371V3,3V3,4V1	TestPoint_P	4	TestPoint
C14,C7,C8,C3,C16,C5,C4	C_0805_20:	7	0.1u
C15	CP_EIA-734:	1	100u
C17,C18,C19	C_0805_20:	3	15p
C2,C13,C10,C11,C12,C6	C_0805_20:	6	1u
C20	C_0805_20:	1	1u(nc)
C9	C_0805_20:	1	10u
CON-BAT+	SolderWire-	1	LiFePo4
CON-SOL+	SolderWire-	1	Solar_Cell
J1	USB_C_Rec:	1	USB_C_Receptacle_USB2.0
J2	CENTRAL-HI	1	Conn_02x06
J4	PinHeader_	1	Conn_01x06_Pin
JUMPER-BAT1, JUMPER-USB	PinSocket_1	2	Jumper_2_Bridged
L1	XEL4030-22	1	2.2u
R11	R_0805_20:	1	NC
R14	R_0805_20:	1	62k
R16,R15,R19	R_0805_20:	3	100R
R18	R_0805_20:	1	2k
R2	R_0805_20:	1	375R(0,8A) 750R(0.4A)
R21,R20,R27,R22	R_0805_20:	4	10k
R24	R_0805_20:	1	14k
R25,R26	R_0805_20:	2	1M
R3,R4	R_0805_20:	2	5.1k
R6,R17,R23,R5	R_0805_20:	4	100k
R7,R10,R9,R8,R13,R12	R_0805_20:	4	0R
TH1	PinHeader_	1	NTC
U1	TSSOP-16_4	1	PCA9557PW
U10	SOT-23-3	1	XC6206P182MR-G
U11	ESP32-WRO	1	ESP32_WROVER
U14,U12,U16	F34G1A7Q1	3	~
U15,U13	Bosch_LGA-	2	BME280
U2	VSON10_BC	1	BQ25171QWDRCRQ1
U3	SOIC-16_3.5	1	CH340C
U4	SOT-363_SC	1	UMH3N
U5	SIM800L-CC	1	SIM800L-CORE
U6	SOT-23-6_H	1	FS8205
U7	SOT-23-6_H	1	HY2112 (HB)
U8	SOT-23-6_H	1	TLV61070A
U9	SOT-23-3	1	XC6206P252MR-G

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Mouser				LCSC				Aliexpress		STOCK	ORDER nb	Mouser Order	Aliexpress Order
REF	Price(HT)	Minimum	Manufacturer	REF	Price (€)	Min	Manufacturer	Price (€)	Nb min				
581-KGM21NR71E104KT	0,093	1	KYOCERA AVX	C1711	0,0056	100	Samsung Electro-Mechanics			0	35	1,05	
80-T491D107K016	0,921	1	KEMET	C110548	0,5201	1	KEMET			0	5	4,605	
581-08053A150KAT2A	0,167	1	KYOCERA AVX	C1794	0,0121	50	Samsung Electro-Mechanics			0	15	1,91	
581-KAF21KR71H105KU	0,288	1	KYOCERA AVX	C28323	0,0083	50	Samsung Electro-Mechanics			44			
581-0805YC106KAT2A	0,846	1	KYOCERA AVX	C15850	0,0101	50	Samsung Electro-Mechanics			0	10	7,47	
640-USB4105-GF-A-120	0,772	1	GCT	C167321	0,3374	5	Jing Extension of the Elec Co.			0	5	3,86	
								0,398	10	0	5		3,98
				C917636	0,0387	10	XKB Connectivity	4,44	1	2			
994-XEL4030-222MEC	2,26	1	Coilcraft	C2998753	0,6235	1	Sumida			15	3	6,78	
71-CRCW080562K0FKEA	0,093	1	Vishay / Dale	C17783	0,0017	100	UNI-ROYAL(Uniroyal Elec)			0	10	0,23	
71-CRCW0805-100-E3	0,093	1	Vishay / Dale							0	20	0,62	
71-CRCW08052K00JNEA	0,093	1	Vishay / Dale							0	10	0,19	
71-CRCW0805-750-E3	0,093	1	Vishay / Dale							0	10	0,23	
71-CRCW080510K0FKEAC	0,093	1	Vishay / Dale							99			
71-CRCW0805-14K-E3	0,093	1	Vishay / Dale							0	10	0,23	
71-CRCW08051M00FKEAC	0,093	1	Vishay / Dale							98			
71-CRCW08055K10JNEA	0,093	1	Vishay / Dale							0	20	0,46	
71-CRCW0805100KFKEBC	0,093	1	Vishay / Dale							0	20	0,58	
71-CRCW08050000Z0EC	0,093	1	Vishay / Dale	C17477	0,0016	100	UNI-ROYAL(Uniroyal Elec)			0	20	0,46	
595-PCA9557PWR	1,4	1	Texas Instruments	C141380	0,43	1	NXP Semicon			0	3	4,2	
865-XC6206P182MR-G	0,651	1	Torex Semiconductor	C424700	0,1349	5	Torex Semiconductor			0	5	3,255	
356-ESP32WRVIE2864UC	3,15	1	Espressif Systems	C529591	3,9246	1	Espressif Systems			0	3	9,45	
649-F34G1A7Q1E8C24	0,437	1	Amphenol Aorora	C5373439	0,0636	5	SHOU HAN			0	10	3,71	
262-BME280	5,9	1	Bosch Sensortec	C92489	3,4781	1	Bosch Sensortec			0	4	23,6	
595-BQ25171QWDRCRQ1	1,71	1	Texas Instruments	C2861221	1,3995	1	Texas Instruments			12			
				C84681	0,4433	1	WCH(Jiangsu Qin Heng)	0,468	5	0	5		2,34
755-UMH3NTN	0,428	1	ROHM Semiconductor	C62892	0,0502	10	Jiangsu Changjing			0	5	2,14	
								2,77	1	2			
				C32254	0,169	5	Fortune Semicon	0,098	10	0	5		0,98
				C168763	0,1222	5	HYCON Tech	0,319	10	0	5		3,19
595-TLV61070ADBVR	0,465	1	Texas Instruments	C6881375	0,2857	5	Texas Instruments			0	5	2,325	
865-XC6206P252MR-G	0,577	1	Torex Semiconductor	C5250983	0,0168	20	TWGMC			0	5	2,885	
												80,24	10,49