3 Proto Budget :	211,968 €

	Price	VAT/Shipping
Mouser Order	79,88	15,98
Aliexpress Order	16,81	6,25
JLCPCB Manufacturing	2	15
Review	40	

Mouser Order
Aliexpress Order
Already in stock
Not a component

Quantity	Designator	Footprint	Designation	Mouser				LCSC				Aliexpress			STOCK	ORDER quantity	Mouser Order	Aliexpress Order
				REF	Price(HT)	Minimum	Manufacturer	REF	Price (€)	Min	Manufacturer	Price (€)	shipping	Minimum				
	2V8,1V3,3V3,4V1	TestPoint_Pad_D1.5	TestPoint															
11	C21,C17,C23,C7,C8,C1,C3,	C_0805_2012Metric	0.1u	581-KGM21NR71E104KT	0,093	1	sss	C1711	0,0056	100	Samsung Electro-Mechanics				0	35	1,05	
2	C18, (C19)	CP_EIA-7343-31_Ke	100u	80-T491D107K016	0,921	1	KEMET	C110548	0,5201	1	KEMET				0	5	4,605	
3	C22,C25,C26	C_0805_2012Metric	15p	581-08053A150KAT2A	0,167	1	KYOCERA AVX	C1794	0,0121	50	Samsung Electro-Mechanics				0	15	1,91	
9	C2,C16,C13,C10,C12,C15,(	C_0805_2012Metric	1u	581-KAF21KR71H105KU	0,288	1	KYOCERA AVX	C28323	0,0083	50	Samsung Electro-Mechanics				44			
1	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-2.5sqmr	LiFePo4															
	CON-SOL+	SolderWire-2.5sqmr	Solar_Cell															
1	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	
1	J2	CENTRAL-HEADER	Conn_02x06									0,398	3,52	10	0	20		11,48
2	J4	PinHeader_1x06_P2	Conn_01x06_Pin									4,44		1	2			
2	JUMPER-BAT1, JUMPER-U	PinSocket_1x02_P2.	Jumper_2_Bridged					C917636	0,0387	10	XKB Connectivity				15			
1	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															
1	R13	R_0805_2012Metric	62k	71-CRCW080562K0FKEA	0,093	1	Vishay / Dale	C17783	0,0017	100	UNI-ROYAL(Uniroyal Elec)				0	10	0,23	
3	R18,R17,R20	R_0805_2012Metric	100R	71-CRCW0805-100-E3	0,093	1	Vishay / Dale	C17408	0,0018	100	UNI-ROYAL(Uniroyal Elec)				0	20	0,62	
1	R19	R_0805_2012Metric	2k	71-CRCW08052K00JNEA	0,093	1	Vishay / Dale	C17804	0,0018	100	UNI-ROYAL(Uniroyal Elec)				0	10	0,19	
1	R5	R_0805_2012Metric	375R(0,8A) 750R(0.4A)	71-CRCW0805-750-E3	0,093	1	Vishay / Dale	C17818	0,0017	100	UNI-ROYAL(Uniroyal Elec)				0	10	0,23	
6	R25,R2,R21,R1,R22,R26	R_0805_2012Metric	10k	71-CRCW080510K0FKEAC	0,093	1	Vishay / Dale	C17417	0,0014	100	UNI-ROYAL(Uniroyal Elec)				99			
1	R28	R_0805_2012Metric	14k	71-CRCW0805-14K-E3	0,093	1	Vishay / Dale	C17467	0,0017	100	UNI-ROYAL(Uniroyal Elec)				0	10	0,23	
2	R24,R23	R_0805_2012Metric	1M	71-CRCW08051M00FKEAC	0,093	1	Vishay / Dale	C17514	0,0018	100	UNI-ROYAL(Uniroyal Elec)				98			
2	R3,R4	R_0805_2012Metric	5.1k	71-CRCW08055K10JNEA	0,093	1	Vishay / Dale	C27834	0,0018	100	UNI-ROYAL(Uniroyal Elec)				0	20	0,46	
4	R9,R16,R27,R8	R_0805_2012Metric	100k	71-CRCW0805100KFKEBC	0,093	1	Vishay / Dale	C149504	0,0018	100	UNI-ROYAL(Uniroyal Elec)				0	20	0,58	
6	R10,R7,R15,R6,R14,R11	R_0805_2012Metric	0R	71-CRCW0805000Z0EC	0,093	1	Vishay / Dale	C17477	0,0016	100	UNI-ROYAL(Uniroyal Elec)				0	20	0,46	
	TH1	PinHeader_1x02_P2	NTC															
1	U1	TSSOP-16_4.4x5mm	PCA9557PW	595-PCA9557PWR	1,4	1	Texas Instruments	C141380	0,43	1	NXP Semicon				0	3	4,2	
1	U10	SOT-23-3	XC6206P182MR-G	865-XC6206P182MR-G	0,651	1	Torex Semiconductor	C424700	0,1349	5	Torex Semiconductor				0	5	3,255	
1	U11	SOT-23-3	XC6206P252MR-G	865-XC6206P252MR-G	0,577	1	Torex Semiconductor	C5250983	0,0168	20	TWGMC				0			
1	U12	ESP32-WROVER	ESP32_WROVER	356-ESP32WRVIE2864UC	3,15	1	Espressif Systems	C529591	3,9246	1	Espressif Systems				0	3	9,45	
3	U15,U13,U17	F34G1A7Q1E8C24	~	649-F34G1A7Q1E8C24	0,437	1	Amphenol Aorora	C5373439	0,0636	5	SHOU HAN				0	10	3,71	
2	U14,U16	Bosch_LGA-8_2.5x2.	BME280	262-BME280	5,9	1	Bosch Sensortec	C92489	3,4781	1	Bosch Sensortec				0	4	23,6	
1	U2	SOT-23-6_Handsold	USBLC6-2SC6	511-USBLC6-2SC6	0,567	1	STMicroelectronics											
1	U3	VSON10_BQ25171_	BQ25171QWDRCRQ1	595-BQ25171QWDRCRQ1	1,71	1	Texas Instruments	C2861221	1,3995	1	Texas Instruments				12			
1	U4	SOIC-16_3.9x9.9mm	CH340C					C84681	0,4433	1	WCH(Jiangsu Qin Heng)	0,468	0,56	10	0	10		5,24
1	U6	SOT-363_SC-70-6	UMH3N	755-UMH3NTN	0,428	1	ROHM Semiconductor	C62892	0,0502	10	Jiangsu Changjing				0	5	2,14	
1	U5	SIM800L-CORE	SIM800L-CORE									2,77		1	2			
1	U7	SOT-23-6_Handsold	FS8205					C32254	0,169	5	Fortune Semicon	0,098	0,84	10	0	10		1,82
1	U8	SOT-23-6_Handsold	HY2112 (HB)					C168763	0,1222	5	HYCON Tech	0,319	1,33	10	0	10		4,52
1	U9	SOT-23-6_Handsold	TLV61070A	595-TLV61070ADBVR	0,465	1	Texas Instruments	C6881375	0,2857	5	Texas Instruments				0	5	2,325	
																	77,355	23,06