

Designator	Footprint	Quantity	Value	Mouser part #	1 pcs.	10 pcs.	100 pcs.
B1	CM196051C0580T	1	Passive buzzer	81-PKM13EPYH4002-B0	1.68 PLN	1.20 PLN	1.09 PLN
Brd1	128x64OLED_V2	1	SSD1306	-	5.63 PLN	5.63 PLN	5.63 PLN
C1, C11, C12, C13, C14, C2, C20, C21, C5, C9	603	8	1uF	581-06036C105MAT2A	0.43 PLN	0.26 PLN	0.12 PLN
C10, C17, C3, C4, C6, C7	603	6	10uF	581-0603YD106KAT2A	0.99 PLN	0.67 PLN	0.38 PLN
C15, C16	603	2	4.7uF	603-CC603KRX5R7BB475	0.82 PLN	0.57 PLN	0.29 PLN
C18, C19	603	2	22uF	581-KAM15BR71E224KT	0.65 PLN	0.50 PLN	0.26 PLN
C8	603	1	0.1uF	581-06035C104KAT2A	0.43 PLN	0.14 PLN	0.08 PLN
D1, D26, D27	805	3	LED	749-SM0805PGC	3.06 PLN	2.02 PLN	1.34 PLN
D14, D15, D16, D19, D20, D21	D_SOD-323	6	SD15_SOD323	576-SD15-01FTG	1.33 PLN	1.06 PLN	0.70 PLN
D17, D18, D2	2114	2	D_Schottky	750-CDBA2200-HF	2.19 PLN	1.74 PLN	1.11 PLN
D23, D24, D25	D_SOD-923	3	ESD983.3ST5G	-	0.52 PLN	0.52 PLN	0.52 PLN
D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39	D_SOD-123	12	D_Small	621-1N4148WS-F	0.73 PLN	0.43 PLN	0.20 PLN
IC1	TPS61023	1	TPS61023DRLT	595-TPS61023DRLT	5.09 PLN	4.30 PLN	2.89 PLN
J1	XY2500R-DS(5.08)-02V	1	Screw_Terminal_01x02	490-TB002-500-02BE	1.94 PLN	0.91 PLN	0.87 PLN
J2, J3	GCT_USB4105-GF-A	2	USB4105-GF-A	640-USB4105-GF-A	3.44 PLN	2.78 PLN	2.42 PLN
J4	microSD_HC_Hirose_DM3D-SF	1	Micro_SD_Card_Det_Hirose_DM3AT	798-DM3AT-SF-PEJM540	13.33 PLN	11.25 PLN	10.74 PLN
L1	L_Bourns_SRP1038C_10.0x10.0mm	1	1uH	652-SRP5020CC-1R0M	5.19 PLN	4.82 PLN	2.67 PLN
Q1, Q2	SOT-23	2	BC817	583-BC817	1.00 PLN	0.70 PLN	0.44 PLN
Q3	SOIC127P600X175-8N	1	Si4435DDY-T1-E3	781-Si4435DDY-T1-E3	2.54 PLN	2.28 PLN	1.72 PLN
R1, R16	805	2	100k	279-CRGCQ0805J100K	0.43 PLN	0.09 PLN	0.04 PLN
R10, R11, R13, R14, R15, R8	603	8	10k	603-RC0603FR-0710KL	0.43 PLN	0.05 PLN	0.03 PLN
R12	805	1	732k	71-CRCW0805732KFKEA	0.43 PLN	0.14 PLN	0.07 PLN
R17, R9	603	2	1k	652-CR0603FX-1001ELF	0.43 PLN	0.04 PLN	0.02 PLN
R18	805	1	680	603-RC0805FR-13680RL	0.43 PLN	0.07 PLN	0.04 PLN
R19	603	2	200	603-AF0603JR-07200RL	0.43 PLN	0.07 PLN	0.04 PLN
R2	805	1	2k	652-CR0805AFX2001EAS	0.43 PLN	0.10 PLN	0.08 PLN
R20	603	1	220	279-CRGCQ0603F220R	0.43 PLN	0.07 PLN	0.04 PLN
R21, R6	603	2	4k7	71-CRCW0603-4.7K-E3	0.43 PLN	0.08 PLN	0.04 PLN
R22, R23, R26, R27	805	4	5.1k	603-RT0805DRE075K1L	0.56 PLN	0.47 PLN	0.12 PLN
R24	0603	1	1.78k	71-CRCW0805-1.78K-E3	0.43 PLN	0.11 PLN	0.07 PLN
R3	805	1	20k	603-RC0805FR-1320KL	0.43 PLN	0.07 PLN	0.04 PLN
R4	805	1	470	279-CRGCQ0805J470R	0.43 PLN	0.06 PLN	0.04 PLN
R5	603	1	22.1k	71-CRCW0603-22.1K-E3	0.43 PLN	0.07 PLN	0.04 PLN
R7	603	1	47.5k	71-CRCW0603-47.5K-E3	0.43 PLN	0.07 PLN	0.04 PLN
RV1	PTA30432010CIB102	1	R_Potentiometer_Small	652-PTA3432010CIB102	8.29 PLN	7.27 PLN	5.97 PLN
S2	EG1206A	1	WS-SLSU_Slide_Switch	612-EG1206A	3.14 PLN	2.78 PLN	2.58 PLN
SW1, SW2	RotaryEncoder_Alps_EC12E-Switch_Verical_H20mm	2	RotaryEncoder	688-EC12E1220813	7.96 PLN	7.96 PLN	7.96 PLN
SW3, SW25	SW_PUSH_6mm	2	Switch	179-TS026660BK160LCR	0.43 PLN	0.42 PLN	0.40 PLN
SW26, SW27, SW28, SW32, SW33, SW34, SW38, SW39, SW40, SW44, SW45, SW46	MX1A-E1NW_cherry_mx_blue_rgb	12	Cherry_MX	540-MX1A-G1NA	6.75 PLN	6.11 PLN	5.23 PLN
U1	ESP32-S3-WROOM-1	1	ESP32-S3-WROOM-1	356-EP32S3WROOM1N8R8	15.60 PLN	15.60 PLN	15.60 PLN
U10, U11, U12, U13, U14, U27, U4, U5, U6, U7, U8, U9	SK6812MINI-E	12	SK6812MINI-E	-	0.28 PLN	0.28 PLN	0.28 PLN
U15	SOT-23-5	1	MCP73832-2-OT	579-MCP73832T2DFI/OT	3.14 PLN	4.11 PLN	2.75 PLN
U2	TLV75901PDRVT	1	TLV75901PDRVT	595-TLV75901PDRVT	5.23 PLN	4.44 PLN	3.01 PLN
U3	QFN-24-1EP_4x4mm_P0.5mm_EP2.6x2.6mm	1	CP2102N-A01-GQFN24	634-CP2102NA02GQFN24	17.04 PLN	15.37 PLN	13.24 PLN

aliexpress

aliexpress

use any with LED cutout and no fixation pins

aliexpress

TOTAL PARTS (mouser + aliexpress)		
1 pcs.	10 pcs.	100 pcs.
255.53 PLN	214.90 PLN	177.51 PLN

TOTAL PRODUCTION (ilcpcb)		
1 pcs.	10 pcs.	100 pcs.
9.30 PLN	7.66 PLN	4.06 PLN

TOTAL PARTS + PRODUCTION		
1 pcs.	10 pcs.	100 pcs.
264.83 PLN	222.56 PLN	181.57 PLN