

## Lista de Componentes

Referência	Pacote	Qnt	Designação	Fornecedor e referência
C104, C102	Capacitors_tantalum_smd 3216	2	10uF	<a href="https://www.digikey.com/product-detail/en/avx-corporation/F930J106MAA/478-8151-2-ND/4004985">https://www.digikey.com/product-detail/en/avx-corporation/F930J106MAA/478-8151-2-ND/4004985</a>
C202, C101, C103, C201, C204, C403, C404, C601, C701, C801, C501	C_0805_HandSoldering	11	100nF	<a href="https://www.digikey.com/product-detail/en/avx-corporation/08055C104KAT2A/478-1395-2-ND/563505">https://www.digikey.com/product-detail/en/avx-corporation/08055C104KAT2A/478-1395-2-ND/563505</a>
C203	C_0805_HandSoldering	1	39nF	<a href="https://www.digikey.com/product-detail/en/kemet/C0805C393K5RACTU/399-8076-2-ND/2209743">https://www.digikey.com/product-detail/en/kemet/C0805C393K5RACTU/399-8076-2-ND/2209743</a>
C401, C402	C_Rect_L4.6mm_W4.6mm_P2.50mm_MKS02_FKP02	2	22pF	<a href="https://www.digikey.com/product-detail/en/kemet/C0805C220J5GACTU/399-1113-2-ND/411112">https://www.digikey.com/product-detail/en/kemet/C0805C220J5GACTU/399-1113-2-ND/411112</a>
C405	C_Rect_L4.6mm_W4.6mm_P2.50mm_MKS02_FKP02	1	39pF	<a href="https://www.digikey.com/product-detail/en/vishay-bc-components/K390J15C0GF5TL2/BC1008CT-ND/286630">https://www.digikey.com/product-detail/en/vishay-bc-components/K390J15C0GF5TL2/BC1008CT-ND/286630</a>
CN1	BARREL_JACK	1	BARREL_JACK	<a href="http://www.digikey.com/product-detail/en/cui-inc/PJ-002A/CP-002A-ND/96962">http://www.digikey.com/product-detail/en/cui-inc/PJ-002A/CP-002A-ND/96962</a>
CN11	TerminalBlock_Pheonix_PT-3.5mm_4pol	1	CONN_01X04	<a href="https://www.digikey.com/product-detail/en/on-shore-technology-inc/OSTTC042162/ED2611-ND/614560">https://www.digikey.com/product-detail/en/on-shore-technology-inc/OSTTC042162/ED2611-ND/614560</a>
CN12	TerminalBlock_Pheonix_PT-3.5mm_5pol	1	CONN_01X05	<a href="https://www.digikey.com/product-detail/en/on-shore-technology-inc/OSTTA054163/ED2583-ND/614532">https://www.digikey.com/product-detail/en/on-shore-technology-inc/OSTTA054163/ED2583-ND/614532</a>
CN2	Socket_Strip_Straight_1x14_Pitch2.54mm	1	CONN_01X14	<a href="https://www.digikey.com/product-detail/en/sullins-connector-solutions/PPTC141LFBN-RC/S7012-ND/810152">https://www.digikey.com/product-detail/en/sullins-connector-solutions/PPTC141LFBN-RC/S7012-ND/810152</a>
CN4, CN3	Socket_Strip_Straight_1x06_Pitch2.54mm	2	CONN_01X06	<a href="https://www.digikey.com/product-detail/en/wurth-electronics-inc/61300311121/732-5316-ND/4846825">https://www.digikey.com/product-detail/en/wurth-electronics-inc/61300311121/732-5316-ND/4846825</a>
CN5	Socket_Strip_Straight_1x03_Pitch2.54mm	1	CONN_01X03	<a href="https://www.digikey.com/product-detail/en/sullins-connector-solutions/PPPC031LFBN-RC/S7036-ND/810175">https://www.digikey.com/product-detail/en/sullins-connector-solutions/PPPC031LFBN-RC/S7036-ND/810175</a>

CN601	TerminalBlock_Pheonix_PT-3.5mm_2pol	1	CONN_01X02	<a href="http://www.digikey.com/product-detail/en/on-shore-technology-inc/OSTTA024163/ED2580-ND/614529">http://www.digikey.com/product-detail/en/on-shore-technology-inc/OSTTA024163/ED2580-ND/614529</a>
CN7, CN8	Socket_Strip_Straight_1x04_Pitch2.54mm	2	CONN_01X04	<a href="https://www.digikey.com/product-detail/en/sullins-connector-solutions/PPTC041LFBN-RC/S7002-ND/810144">https://www.digikey.com/product-detail/en/sullins-connector-solutions/PPTC041LFBN-RC/S7002-ND/810144</a>
CN9	Socket_Strip_Straight_1x05_Pitch2.54mm	1	CONN_01X05	<a href="https://www.digikey.com/product-detail/en/sullins-connector-solutions/PPTC051LFBN-RC/S6103-ND/807239">https://www.digikey.com/product-detail/en/sullins-connector-solutions/PPTC051LFBN-RC/S6103-ND/807239</a>
D101, D401, D402, D5	LED_1206	4	LED	<a href="https://www.digikey.com/product-detail/en/lite-on-inc/LTST-C150GKT/160-1169-2-ND/269216">https://www.digikey.com/product-detail/en/lite-on-inc/LTST-C150GKT/160-1169-2-ND/269216</a>
DS101	D_SOD-123	1	D_Schottky	<a href="https://www.digikey.com/product-detail/en/diodes-incorporated/1N5819HW-7-F/1N5819HW-FDITR-ND/814970">https://www.digikey.com/product-detail/en/diodes-incorporated/1N5819HW-7-F/1N5819HW-FDITR-ND/814970</a>
P1	USB_B	1	USB_A	<a href="http://www.digikey.com/product-detail/en/mill-max-manufacturing-corp/897-43-004-90-000000/ED90064-ND/947072">http://www.digikey.com/product-detail/en/mill-max-manufacturing-corp/897-43-004-90-000000/ED90064-ND/947072</a>
R101, R203, R401, R402	R_0805_HandSoldering	4	330	<a href="https://www.digikey.com/product-detail/en/bourns-inc/CR0805-JW-331ELF/CR0805-JW-331ELFTR-ND/3741034">https://www.digikey.com/product-detail/en/bourns-inc/CR0805-JW-331ELF/CR0805-JW-331ELFTR-ND/3741034</a>
R201, R701, R702	R_0805_HandSoldering	3	4k7	<a href="https://www.digikey.com/product-detail/en/bourns-inc/CR0805-JW-472ELF/CR0805-JW-472ELFTR-ND/3741035">https://www.digikey.com/product-detail/en/bourns-inc/CR0805-JW-472ELF/CR0805-JW-472ELFTR-ND/3741035</a>
R202, R403	R_0805_HandSoldering	2	10k	<a href="https://www.digikey.com/product-detail/en/bourns-inc/CR0805-FX-1002GLF/CR0805-FX-1002GLFTR-ND/3784557">https://www.digikey.com/product-detail/en/bourns-inc/CR0805-FX-1002GLF/CR0805-FX-1002GLFTR-ND/3784557</a>
R501, R502, R503, R504, R506, R507, R508, R509	R_0805_HandSoldering	8	33K	<a href="https://www.digikey.com/product-detail/en/bourns-inc/CR0805-FX-3302ELF/CR0805-FX-3302ELFTR-ND/3784864">https://www.digikey.com/product-detail/en/bourns-inc/CR0805-FX-3302ELF/CR0805-FX-3302ELFTR-ND/3784864</a>
R505, R510, R512, R513, R514, R515	R_0805_HandSoldering	6	100	<a href="https://www.digikey.com/product-detail/en/bourns-inc/CR0805-FX-1000ELF/CR0805-FX-1000ELFTR-ND/3740946">https://www.digikey.com/product-detail/en/bourns-inc/CR0805-FX-1000ELF/CR0805-FX-1000ELFTR-ND/3740946</a>
RV501	Potentiometer_Trimmer_Bourns_3296W	1	10K	<a href="http://www.digikey.com/product-detail/en/bourns-inc/3296W-1-103RLF/3296W-1-103RLFCT-ND/3759197">http://www.digikey.com/product-detail/en/bourns-inc/3296W-1-103RLF/3296W-1-103RLFCT-ND/3759197</a>

RV502	Potentiometer_Piher_PC-16_Single_Vertical	1	10K	<a href="http://www.digikey.com/product-detail/en/tt-electronics-bi/P160KN-0QD15B10K/987-1308-ND/2408885?WT.srch=1">http://www.digikey.com/product-detail/en/tt-electronics-bi/P160KN-0QD15B10K/987-1308-ND/2408885?WT.srch=1</a>
SW401	SW_TH_Tactile_Omron_B3F-10xx	1	Switch_DPST	<a href="http://www.digikey.com/product-detail/en/te-connectivity-alcoswitch-switches/1825910-6/450-1650-ND/1632536">http://www.digikey.com/product-detail/en/te-connectivity-alcoswitch-switches/1825910-6/450-1650-ND/1632536</a>
U1	TO-252-2Lead	1	LD1117S50TR	<a href="http://www.digikey.com/product-detail/en/stmicroelectronics/LD1117DT50TR/497-1238-1-ND/586238">http://www.digikey.com/product-detail/en/stmicroelectronics/LD1117DT50TR/497-1238-1-ND/586238</a>
U2	SSOP-28_5.3x10.2mm_Pitch0.65mm	1	FT232RL	<a href="http://www.digikey.com/product-detail/en/ftdi-future-technology-devices-international-ltd/FT232RL-REEL/768-1007-1-ND/1836402?WT.srch=1&amp;mkwid=snlDp0BK7&amp;pcriid=90293099901&amp;pkw=_cat%3Aintegrated%20circuits%20ics&amp;pmt=b&amp;pdv=c">http://www.digikey.com/product-detail/en/ftdi-future-technology-devices-international-ltd/FT232RL-REEL/768-1007-1-ND/1836402?WT.srch=1&amp;mkwid=snlDp0BK7&amp;pcriid=90293099901&amp;pkw=_cat%3Aintegrated%20circuits%20ics&amp;pmt=b&amp;pdv=c</a>
U3	SOT-223	1	LD1117S33TR	<a href="https://www.digikey.com/product-detail/en/stmicroelectronics/LD1117S33CTR/497-1241-1-ND/586241">https://www.digikey.com/product-detail/en/stmicroelectronics/LD1117S33CTR/497-1241-1-ND/586241</a>
U4	TQFP-44_10x10mm_Pitch0.8mm	1	PIC18F4550-I/PT	<a href="http://www.digikey.com/product-detail/en/microchip-technology/PIC18F4550T-I-PT/PIC18F4550T-I-PTCT-ND/5013558">http://www.digikey.com/product-detail/en/microchip-technology/PIC18F4550T-I-PT/PIC18F4550T-I-PTCT-ND/5013558</a>
U5	SOIC-8_3.9x4.9mm_Pitch1.27mm	1	LM358	<a href="https://www.digikey.com/product-detail/en/ON-Semiconductor/LM358DG/LM358DGOS-ND/1476852">https://www.digikey.com/product-detail/en/ON-Semiconductor/LM358DG/LM358DGOS-ND/1476852</a>
U6	SOT-23-6_Handsoldering	1	MCP4725	<a href="http://www.digikey.com/product-detail/en/maxim-integrated/DS1307Z/DS1307Z-ND/420275">http://www.digikey.com/product-detail/en/maxim-integrated/DS1307Z/DS1307Z-ND/420275</a>
U7	SOIC-8_3.9x4.9mm_Pitch1.27mm	1	DS1307Z	<a href="http://www.digikey.com/product-detail/en/maxim-integrated/DS1307Z/DS1307Z-ND/420275?WT.srch=1&amp;mkwid=snlDp0BK7&amp;pcriid=90293099901&amp;pkw=_cat%3Aintegrated%20circuits%20ics&amp;pmt=b&amp;pdv=c">http://www.digikey.com/product-detail/en/maxim-integrated/DS1307Z/DS1307Z-ND/420275?WT.srch=1&amp;mkwid=snlDp0BK7&amp;pcriid=90293099901&amp;pkw=_cat%3Aintegrated%20circuits%20ics&amp;pmt=b&amp;pdv=c</a>

U8	SOIC-8_3.9x4.9mm_Pitch1.27mm	1	24C16	<a href="http://www.digikey.com/product-detail/en/microchip-technology/24LC512T-I-SM/24LC512T-I-SMCT-ND/5014119?WT.srch=1&amp;mkwid=snlDp0BK7&amp;pclid=90293099901&amp;pkw=_cat%3Aintegrated%20circuits%20ics&amp;pmt=b&amp;pdv=c">http://www.digikey.com/product-detail/en/microchip-technology/24LC512T-I-SM/24LC512T-I-SMCT-ND/5014119?WT.srch=1&amp;mkwid=snlDp0BK7&amp;pclid=90293099901&amp;pkw=_cat%3Aintegrated%20circuits%20ics&amp;pmt=b&amp;pdv=c</a>
Y401	Crystal_HC49-U_Vertical	1	Crystal	<a href="http://www.digikey.com/product-detail/en/cts-frequency-controls/ATS12A/CTX1077-ND/2640029">http://www.digikey.com/product-detail/en/cts-frequency-controls/ATS12A/CTX1077-ND/2640029</a>
Y701	Crystal_C38-LF_d3.0mm_l8.0mm_Vertical	1	32.768 kHz	<a href="http://www.digikey.com/product-detail/en/abracon-llc/AB38T-32.768KHZ/535-9034-ND/675229">http://www.digikey.com/product-detail/en/abracon-llc/AB38T-32.768KHZ/535-9034-ND/675229</a>