

	Quantidade	Valor	link de exemplo (Apenas para referência do modelo/tamanho/pinos)
Capacitor cerâmica	2	100n	
Capacitor eletrolítico	Tipo	100u	
Transistor	4	BC337	
LED	8	3mm	
LED	1	WS2812 4pinos (opcional)	<a href="https://pt.aliexpress.com/item/32774508291.html?spm=a2g0o.productlist.0.0.72c37b77sfrMjr&amp;algo_pvid=1dbd0abd-ee86-4bfe-b0a0-029e5cac0818&amp;algo_expid=1dbd0abd-ee86-4bfe-b0a0-029e5cac0818-35&amp;btsid=85565746-ce34-4ae0-8f58-f2f62aafd23d&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55">https://pt.aliexpress.com/item/32774508291.html?spm=a2g0o.productlist.0.0.72c37b77sfrMjr&amp;algo_pvid=1dbd0abd-ee86-4bfe-b0a0-029e5cac0818&amp;algo_expid=1dbd0abd-ee86-4bfe-b0a0-029e5cac0818-35&amp;btsid=85565746-ce34-4ae0-8f58-f2f62aafd23d&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55</a>
Chave Tactil	2	12x12mm 4T	<a href="https://pt.aliexpress.com/item/32944381938.html?spm=a2g0o.productlist.0.0.1cc74d3fUIBich&amp;algo_pvid=01325b42-6bf6-4cc7-a77b-7ddad5fe9c25&amp;algo_expid=01325b42-6bf6-4cc7-a77b-7ddad5fe9c25-5&amp;btsid=081d090f-50dc-414f-a1ec-f62d6b5994ab&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55">https://pt.aliexpress.com/item/32944381938.html?spm=a2g0o.productlist.0.0.1cc74d3fUIBich&amp;algo_pvid=01325b42-6bf6-4cc7-a77b-7ddad5fe9c25&amp;algo_expid=01325b42-6bf6-4cc7-a77b-7ddad5fe9c25-5&amp;btsid=081d090f-50dc-414f-a1ec-f62d6b5994ab&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55</a>
Chave Tactil	2	6x6mm 4T	<a href="https://pt.aliexpress.com/item/32830434616.html?spm=a2g0o.productlist.0.0.468f33d8xb8p1m&amp;algo_pvid=45b1b124-3991-4688-a500-f5912048e24e&amp;algo_expid=45b1b124-3991-4688-a500-f5912048e24e-7&amp;btsid=6dcf0354-bc43-4eec-91c7-8513e1aba8eb&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55">https://pt.aliexpress.com/item/32830434616.html?spm=a2g0o.productlist.0.0.468f33d8xb8p1m&amp;algo_pvid=45b1b124-3991-4688-a500-f5912048e24e&amp;algo_expid=45b1b124-3991-4688-a500-f5912048e24e-7&amp;btsid=6dcf0354-bc43-4eec-91c7-8513e1aba8eb&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55</a>
Chave slide	2	3T micro	<a href="https://pt.aliexpress.com/item/32809225980.html?spm=a2g0s.9042311.0.0.2742b90a1NEGDT">https://pt.aliexpress.com/item/32809225980.html?spm=a2g0s.9042311.0.0.2742b90a1NEGDT</a>
Display	2	7Seg Catodo comum (5161AS)	<a href="https://pt.aliexpress.com/item/32950686709.html?spm=a2g0s.9042311.0.0.2742b90a1NEGDT">https://pt.aliexpress.com/item/32950686709.html?spm=a2g0s.9042311.0.0.2742b90a1NEGDT</a>
Display	1	LCD 16x2 pino superior (Opcional)	<a href="https://pt.aliexpress.com/item/1631561941.html?spm=a2g0s.9042311.0.0.2742b90a1NEGDT">https://pt.aliexpress.com/item/1631561941.html?spm=a2g0s.9042311.0.0.2742b90a1NEGDT</a>
Soquete	2	8 pinos	<a href="https://pt.aliexpress.com/item/2006332494.html?spm=a2g0s.9042311.0.0.2742b90a3Gm0T0">https://pt.aliexpress.com/item/2006332494.html?spm=a2g0s.9042311.0.0.2742b90a3Gm0T0</a>
Barra Pino Femea	1	2x4	<a href="https://pt.aliexpress.com/item/32230576073.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ">https://pt.aliexpress.com/item/32230576073.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ</a>
Barra Pino Femea	1	1x16	<a href="https://pt.aliexpress.com/item/32278726512.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ">https://pt.aliexpress.com/item/32278726512.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ</a>
Barra Pino Femea	1	1x6	
Barra Pino macho	1	1x8 90graus	<a href="https://pt.aliexpress.com/item/32215904892.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ">https://pt.aliexpress.com/item/32215904892.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ</a>
Barra Pino macho	2	1x8 terminal longo (min. 25mm)	<a href="https://pt.aliexpress.com/item/32994078979.html?spm=a2g0s.9042311.0.0.2742b90abAFUQZ">https://pt.aliexpress.com/item/32994078979.html?spm=a2g0s.9042311.0.0.2742b90abAFUQZ</a>
Barra Pino macho	1	1x6 terminal longo (min. 25mm)	<a href="https://pt.aliexpress.com/item/32994078979.html?spm=a2g0s.9042311.0.0.2742b90abAFUQZ">https://pt.aliexpress.com/item/32994078979.html?spm=a2g0s.9042311.0.0.2742b90abAFUQZ</a>
Barra Pino macho	1	1x10 terminal longo (min. 25mm)	<a href="https://pt.aliexpress.com/item/32994078979.html?spm=a2g0s.9042311.0.0.2742b90abAFUQZ">https://pt.aliexpress.com/item/32994078979.html?spm=a2g0s.9042311.0.0.2742b90abAFUQZ</a>
Trimpot	1	10k	<a href="https://pt.aliexpress.com/item/32926330925.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ">https://pt.aliexpress.com/item/32926330925.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ</a>
Resistor	22	330R 1/8W (mini)	
Resistor	6	1k 1/8W (mini)	
Resistor	2	4k7 1/8W (mini)	
Resistor	1	10R 1W (Opcional)	
CI	1	Ds1307 (DIP8) (Opcional)	<a href="https://pt.aliexpress.com/item/32962245437.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ">https://pt.aliexpress.com/item/32962245437.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ</a>
Cristal	1	32,768KHz	<a href="https://pt.aliexpress.com/item/32601668002.html?spm=a2g0o.productlist.0.0.3e0f26b6ID4b6s&amp;algo_pvid=e412144f-6f11-4106-9a51-2c1632bd65f9&amp;algo_expid=e412144f-6f11-4106-9a51-2c1632bd65f9-0&amp;btsid=994f98da-974e-44a2-bfa9-b4d206eb3d46&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55">https://pt.aliexpress.com/item/32601668002.html?spm=a2g0o.productlist.0.0.3e0f26b6ID4b6s&amp;algo_pvid=e412144f-6f11-4106-9a51-2c1632bd65f9&amp;algo_expid=e412144f-6f11-4106-9a51-2c1632bd65f9-0&amp;btsid=994f98da-974e-44a2-bfa9-b4d206eb3d46&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55</a>
CI	1	TMP102 (opcional)	<a href="https://pt.aliexpress.com/item/1856551432.html?spm=a2g0o.productlist.0.0.7f45566ffHFG1ey&amp;algo_pvid=1bf8acf3-85f9-49eb-9a78-9c5340407a8d&amp;algo_expid=1bf8acf3-85f9-49eb-9a78-9c5340407a8d-4&amp;btsid=98d539f1-91f7-41bf-8be1-984cd832d8be&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55">https://pt.aliexpress.com/item/1856551432.html?spm=a2g0o.productlist.0.0.7f45566ffHFG1ey&amp;algo_pvid=1bf8acf3-85f9-49eb-9a78-9c5340407a8d&amp;algo_expid=1bf8acf3-85f9-49eb-9a78-9c5340407a8d-4&amp;btsid=98d539f1-91f7-41bf-8be1-984cd832d8be&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55</a>
CI	1	MCP4921 (DIP8) (Opcional)	<a href="https://pt.aliexpress.com/item/32960003531.html?spm=a2g0o.productlist.0.0.2cfe28e1mlzAEk&amp;algo_pvid=ea396219-af85-4524-a47d-0e7487bd5a51&amp;algo_expid=ea396219-af85-4524-a47d-0e7487bd5a51-0&amp;btsid=5aae59dd-44a1-4764-b9dd-8898c4079e8f&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55">https://pt.aliexpress.com/item/32960003531.html?spm=a2g0o.productlist.0.0.2cfe28e1mlzAEk&amp;algo_pvid=ea396219-af85-4524-a47d-0e7487bd5a51&amp;algo_expid=ea396219-af85-4524-a47d-0e7487bd5a51-0&amp;btsid=5aae59dd-44a1-4764-b9dd-8898c4079e8f&amp;ws_ab_test=searchweb0_0_searchweb201602_8.searchweb201603_55</a>
Barra Pino Macho	1	1x40	<a href="https://pt.aliexpress.com/item/32215920109.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ">https://pt.aliexpress.com/item/32215920109.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ</a>
Joystick (tipo arduino) ou Trimpots com knob	1 (2)	10k	<a href="https://pt.aliexpress.com/item/32821307184.html?spm=a2g0s.9042311.0.0.2742b90abAFUQZ">https://pt.aliexpress.com/item/32821307184.html?spm=a2g0s.9042311.0.0.2742b90abAFUQZ</a>
jumpers	7		<a href="https://pt.aliexpress.com/item/32963926254.html?spm=a2g0s.9042311.0.0.2742b90abAFUQZ">https://pt.aliexpress.com/item/32963926254.html?spm=a2g0s.9042311.0.0.2742b90abAFUQZ</a>
ESP01	1	Opcional	<a href="https://pt.aliexpress.com/item/32846615866.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ">https://pt.aliexpress.com/item/32846615866.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ</a>
Bluetooth HM-10 ou AT-09	1	Opcional	<a href="https://pt.aliexpress.com/item/32817938949.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ">https://pt.aliexpress.com/item/32817938949.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ</a>
Teclado matricial de membrana	1	4x4 (opcional)	<a href="https://pt.aliexpress.com/item/32468124364.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ">https://pt.aliexpress.com/item/32468124364.html?spm=a2g0s.9042311.0.0.2742b90aiXu0eQ</a>