

	LOCATION	LOCATION	ROTATION	PCB LABEL	SIZE	PART NUM	RETAILER	LCSC PART#	COMPANY	
1	37.884	7.37	90	NPN	TRANSISTO	SOT-23	MMBT3904	lcsc.com	C402272	LGE
2	52.455	36.233	180	BAT54S	SCHOTTKY	SOT-23	BAT54S	lcsc.com	C369929	KEXIN
3	19.181	57.029	180	LM4040	10 REF 10.0V	SOT-23	LM4040AIM	lcsc.com	C129965	TEXAS INSTRUMENTS
4	97.314	13.51	0	CD4027	IC	SOP-16	CD4027BM	https://www.ti.com/product/CD4027	595-CD402	TEXAS INSTRUMENTS
5				CD40106	IC	SOP-16	CD40106BI	lcsc.com	C38184	TEXAS INSTRUMENTS
6	31.337	30.194	0	CD4051	IC	SOP-16	CD4051BM	lcsc.com	C21379	TEXAS INSTRUMENTS
7	49.562	16.412	270	8MHZ 5032	CRYSTAL	SMD-5032	SMD-5032	lcsc.com	C122522	TAE
8	74.565	40.971	270	12.288HZ 5	CRYSTAL	SMD-5032	612288F2I	lcsc.com	C251589	SJK
9	21.654	5.586	0	220PF	C		805 0805N221J	lcsc.com	C303927	WALSIN TECH
10	52.61	49.401	0	220PF	C		805 0805N221J	lcsc.com	C303927	WALSIN TECH
11	19.431	5.586	0	220PF	C		805 0805N221J	lcsc.com	C303927	WALSIN TECH
12	5.538	6.191	270	10n	C		805 0805CG10J	lcsc.com	C63849	FH
13	6.014	17.621	270	10n	C		805 0805CG10J	lcsc.com	C63849	FH
14	6.649	35.084	270	10n	C		805 0805CG10J	lcsc.com	C63849	FH
15	5.855	53.816	270	10n	C		805 0805CG10J	lcsc.com	C63849	FH
16	13.541	9.046	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
17	1.889	11.586	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
18	2.207	35.081	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
19	22.685	48.893	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
20	66.183	48.162	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
21	61.897	48.496	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
22	57.817	53.639	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
23	55.594	53.639	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
24	75.438	30.779	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
25	99.409	50.147	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
26	94.647	50.94	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
27	80.201	53.322	270	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
28	105.537	25.223	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
29	106.474	20.143	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
30	89.567	6.014	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
31	89.567	10.777	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
32	85.122	7.76	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
33	46.466	5.538	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
34	44.164	20.143	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
35	47.657	33.16	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
36	24.638	58.084	270	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
37	33.48	38.574	0	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
38	63.343	32.239	270	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
39	63.978	23.508	270	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
40	12.256	58.291	270	100n	C		805 C0805B104	lcsc.com	C476766	TORCH
41	9.668	24.143	0	2N2	C		805 0805N222J	lcsc.com	C303929	WALSIN TECH
42	6.652	43.035	270	2N2	C		805 0805N222J	lcsc.com	C303929	WALSIN TECH
43	49.911	41.749	0	2U2	C		805 UMK212AE	lcsc.com	C337444	TAIYO YUDEN
44	63.343	29.699	270	2U2	C		805 UMK212AE	lcsc.com	C337444	TAIYO YUDEN
45	99.901	21.445	0	470NF	C		805 0805B474K	lcsc.com	C335536	WALSIN TECH
46	103.124	2.871	0	470NF	C		805 0805B474K	lcsc.com	C335536	WALSIN TECH

47	82.328	3.03	0	470NF	C	805 0805B474k lcsc.com	C335536	WALSIN TECH
48	80.105	3.03	0	470NF	C	805 0805B474k lcsc.com	C335536	WALSIN TECH
49	32.843	46.847	90	18PF	C	805 0805CG18k lcsc.com	C1797	FH
50	37.605	54.292	0	18PF	C	805 0805CG18k lcsc.com	C1797	FH
51	50.623	11.906	0	18PF	C	805 0805CG18k lcsc.com	C1797	FH
52	48.242	11.906	0	18PF	C	805 0805CG18k lcsc.com	C1797	FH
53	68.482	48.419	0	18PF	C	805 0805CG18k lcsc.com	C1797	FH
54	70.721	48.419	0	18PF	C	805 0805CG18k lcsc.com	C1797	FH
55	101.378	29.541	0	DIODE	D	805 CD4148WS lcsc.com	C109001	LIZ elec
56	80.55	48.178	180	SS14	sbd	SMA(DO-2: SS14 lcsc.com	C112424	Shandong Jingdao Microelectronics
57	106.871	42.733	180	SS14	sbd	SMA(DO-2: SS14 lcsc.com	C112424	Shandong Jingdao Microelectronics
58	103.804	34.607	0	BEAD	FERRITE	805 CBW20120 lcsc.com	C74487	FH
59	107.773	36.195	0	BEAD	FERRITE	805 CBW20120 lcsc.com	C74487	FH
60	86.995	16.574	90	DG412	IC	SOIC DG412DY-E lcsc.com	C45218	Vishay Intertech
61	6.033	11.779	90	MCP6002	IC	SOIC-8_15(MCP6002T lcsc.com	C125816	MICROCHIP TECH
62	6.033	29.718	90	MCP6002	IC	SOIC-8_15(MCP6002T lcsc.com	C125816	MICROCHIP TECH
63	6.033	48.609	90	MCP6002	IC	SOIC-8_15(MCP6002T lcsc.com	C125816	MICROCHIP TECH
64	33.338	52.896	90	OPA1678	IC	SOIC-8_15(OPA1678IC lcsc.com	C192421	TEXAS INSTRUMENTS
65	103.457	29.525	0	100K 1%	R	805 WR08X100 lcsc.com	C132377	WALSIN TECH
66	33.29	7.618	0	100K 1%	R	805 WR08X100 lcsc.com	C132377	WALSIN TECH
67	5.556	2.061	270	100K 1%	R	805 WR08X100 lcsc.com	C132377	WALSIN TECH
68	4.286	58.259	270	100K 1%	R	805 WR08X100 lcsc.com	C132377	WALSIN TECH
69	16.193	36.351	180	100K 1%	R	805 WR08X100 lcsc.com	C132377	WALSIN TECH
70	12.224	51.274	180	100K 1%	R	805 WR08X100 lcsc.com	C132377	WALSIN TECH
71	24.289	23.969	180	100K 1%	R	805 WR08X100 lcsc.com	C132377	WALSIN TECH
72	41.704	32.383	0	100K 1%	R	805 WR08X100 lcsc.com	C132377	WALSIN TECH
73	6.033	21.746	270	100K 1%	R	805 WR08X100 lcsc.com	C132377	WALSIN TECH
74	10.319	2.061	90	120k	R	805 WR08X120 lcsc.com	C168414	WALSIN TECH
75	11.748	14.444	90	120k	R	805 WR08X120 lcsc.com	C168414	WALSIN TECH
76	14.129	24.128	0	120k	R	805 WR08X120 lcsc.com	C168414	WALSIN TECH
77	11.748	34.446	0	120k	R	805 WR08X120 lcsc.com	C168414	WALSIN TECH
78	12.224	46.988	0	120k	R	805 WR08X120 lcsc.com	C168414	WALSIN TECH
79	53.181	11.888	0	1k	R	805 0805W8F1 lcsc.com	C17513	UNI-ROYAL(Uniroyal Elec)
80	39.259	43.67	0	1k BRITE	R	805 0805W8F1 lcsc.com	C17513	UNI-ROYAL(Uniroyal Elec)
81	41.481	43.67	0	1k BRITE	R	805 0805W8F1 lcsc.com	C17513	UNI-ROYAL(Uniroyal Elec)
82	41.799	54.306	0	1k	R	805 0805W8F1 lcsc.com	C17513	UNI-ROYAL(Uniroyal Elec)
83	21.59	43.035	0	1k	R	805 0805W8F1 lcsc.com	C17513	UNI-ROYAL(Uniroyal Elec)
84	39.973	16.047	0	1k BRITE	R	805 0805W8F1 lcsc.com	C17513	UNI-ROYAL(Uniroyal Elec)
85	105.22	5.252	0	390R 0.5%	R	805 0805W8D3 lcsc.com	C407453	UNI-ROYAL(Uniroyal Elec)
86	102.045	20.175	0	390R 0.5%	R	805 0805W8D3 lcsc.com	C407453	UNI-ROYAL(Uniroyal Elec)
87	104.251	20.175	0	30k 1%	R	805 WR08X300 lcsc.com	C163988	WALSIN TECH
88	75.697	37.435	270	36K	R	805 WR08X360 lcsc.com	C168444	WALSIN TECH
89	67.974	13.494	270	2K	R	805 0805W8F2 lcsc.com	C17604	UNI-ROYAL(Uniroyal Elec)
90	19.698	52.546	180	2K	R	805 0805W8F2 lcsc.com	C17604	UNI-ROYAL(Uniroyal Elec)
91	62.259	13.494	270	2K	R	805 0805W8F2 lcsc.com	C17604	UNI-ROYAL(Uniroyal Elec)
92	67.469	26.985	0	2k2 1%	R	805 0805W8F2 lcsc.com	C17520	UNI-ROYAL(Uniroyal Elec)
93	60.166	32.7	0	2k2 1%	R	805 0805W8F2 lcsc.com	C17520	UNI-ROYAL(Uniroyal Elec)
94	46.233	43.373	270	36K	R	805 WR08X360 lcsc.com	C168444	WALSIN TECH
95	45.464	40.481	90	1M	R	805 0805W8F1 lcsc.com	C17514	UNI-ROYAL(Uniroyal Elec)

96		32.875	42.545	90	51k	R	805 0805W8F5 lcsc.com	C17737	UNI-ROYAL(Uniroyal Elec)
97		32.875	44.768	90	51k	R	805 0805W8F5 lcsc.com	C17737	UNI-ROYAL(Uniroyal Elec)
98		39.701	54.293	0	51k	R	805 0805W8F5 lcsc.com	C17737	UNI-ROYAL(Uniroyal Elec)
99		5.554	4.128	90	20k 1%	R	805 0805W8F2 lcsc.com	C4328	UNI-ROYAL(Uniroyal Elec)
100		6.03	19.685	90	20k 1%	R	805 0805W8F2 lcsc.com	C4328	UNI-ROYAL(Uniroyal Elec)
101		6.665	37.306	90	20k 1%	R	805 0805W8F2 lcsc.com	C4328	UNI-ROYAL(Uniroyal Elec)
102		5.871	55.88	90	20k 1%	R	805 0805W8F2 lcsc.com	C4328	UNI-ROYAL(Uniroyal Elec)
103		11.904	24.13	0	20k 1%	R	805 0805W8F2 lcsc.com	C4328	UNI-ROYAL(Uniroyal Elec)
104		24.286	36.195	0	3M3	R	805 0805W8F3 lcsc.com	C34154	UNI-ROYAL(Uniroyal Elec)
105		29.051	46.829	0	4k7	R	805 0805W8F4 lcsc.com	C17673	UNI-ROYAL(Uniroyal Elec)
106		28.258	51.115	0	4k7	R	805 0805W8F4 lcsc.com	C17673	UNI-ROYAL(Uniroyal Elec)
107		11.113	37.939	270	180K	R	805 0805W8F1 lcsc.com	C17501	UNI-ROYAL(Uniroyal Elec)
108		56.515	44.829	270	470K	R	805 0805W8F4 lcsc.com	C17709	UNI-ROYAL(Uniroyal Elec)
109		6.668	40.955	270	47K	R	805 0805W8F4 lcsc.com	C17713	UNI-ROYAL(Uniroyal Elec)
110		69.691	16.984	180	47K	R	805 0805W8F4 lcsc.com	C17713	UNI-ROYAL(Uniroyal Elec)
111		60.484	17.143	180	47K	R	805 0805W8F4 lcsc.com	C17713	UNI-ROYAL(Uniroyal Elec)
112		41.434	6.03	180	10K	R	805 0805W8F1 lcsc.com	C17414	UNI-ROYAL(Uniroyal Elec)
113		92.71	1.903	90	10K BRITE	R	805 0805W8F1 lcsc.com	C17414	UNI-ROYAL(Uniroyal Elec)
114		50.356	49.369	0	6K8	R	805 0805W8F6 lcsc.com	C17772	UNI-ROYAL(Uniroyal Elec)
115		97.187	24.477	0	10UF TANT TANT	CASE-B_35 CA45-B025 lcsc.com	C119050	Hunan Xiangyee in S&T	
116		97.155	33.145	0	10UF TANT TANT	CASE-B_35 CA45-B025 lcsc.com	C119050	Hunan Xiangyee in S&T	
117		84.455	24.572	0	10UF TANT TANT	CASE-B_35 CA45-B025 lcsc.com	C119050	Hunan Xiangyee in S&T	
118		84.455	33.303	0	10UF TANT TANT	CASE-B_35 CA45-B025 lcsc.com	C119050	Hunan Xiangyee in S&T	
119		72.39	30.287	0	10UF TANT TANT	CASE-B_35 CA45-B025 lcsc.com	C119050	Hunan Xiangyee in S&T	
120					LM1117	3.3V SOT-223 SPX1117M lcsc.com	C6862	EXAR	
121					LM1117	3.3V SOT-223 SPX1117M lcsc.com	C6862	EXAR	
122					STM32F405RGT6	LQFP-64_1 STM32F405 lcsc.com	C15742	STM	
123					WM8731SI DAC	SSOP-28 WM8731SI lcsc.com	C323837	Cirrus Logic	
124				THROUGH HOLE	47uF ±20% ELECTRO	Radial,6.3x EGT476M1 lcsc.com	C238375	Man Yue Tech	
125				THROUGH HOLE	47uF ±20% ELECTRO	Radial,6.3x EGT476M1 lcsc.com	C238375	Man Yue Tech	
126					POWER HE. MALE 2 RO SMD,P=2.5	C124391 lcsc.com	C124391	Ckmtw(Shenzhen Cankemeng)	
127				THROUGH HOLE	1UF 1uF ±5% 1C Through Hc PE105J2A0 lcsc.com	C390070	KYET		
128				THROUGH HOLE	1UF 1uF ±5% 1C Through Hc PE105J2A0 lcsc.com	C390070	KYET		
129				THROUGH HOLE	1UF 1uF ±5% 1C Through Hc PE105J2A0 lcsc.com	C390070	KYET		
130	led			THROUGH HOLE	LED COMMON T1(3MM) WP115VEG https://www.604-WP115VEGW				
131	led			THROUGH HOLE	LED COMMON T1(3MM) WP115VEG https://www.604-WP115VEGW				
132	led			THROUGH HOLE	LED COMMON T1(3MM) WP115VEG https://www.604-WP115VEGW				
HARDWARE					TACTILE BUTTON	2.8MM HE, Touch Swit https://www.aliexpress.com/item/32534955696.html?spm=a2g0s.9c			
push buttons					TACTILE BUTTON	2.8MM HE, Touch Swit https://www.aliexpress.com/item/32534955696.html?spm=a2g0s.9c			
					TACTILE BUTTON	2.8MM HE, Touch Swit https://www.aliexpress.com/item/32534955696.html?spm=a2g0s.9c			
caps push					WHITE A15	CAP BUTTC Plastic Pusl https://www.aliexpress.com/item/32770297469.html?spm=a2g0s.9c			
					WHITE A15	CAP BUTTC Plastic Pusl https://www.aliexpress.com/item/32770297469.html?spm=a2g0s.9c			
					WHITE A15	CAP BUTTC Plastic Pusl https://www.aliexpress.com/item/32770297469.html?spm=a2g0s.9c			

jacks

THROUGH HOLE	3.5MM JACK	MONO	PJ398SM	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
THROUGH HOLE	3.5MM JACK	MONO	PJ398SM	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
THROUGH HOLE	3.5MM JACK	MONO	PJ398SM	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
THROUGH HOLE	3.5MM JACK	MONO	PJ398SM	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
THROUGH HOLE	3.5MM JACK	MONO	PJ398SM	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
THROUGH HOLE	3.5MM JACK	MONO	PJ398SM	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
THROUGH HOLE	3.5MM JACK	MONO	PJ398SM	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
THROUGH HOLE	3.5MM JACK	MONO	PJ398SM	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
THROUGH HOLE	3.5MM JACK	MONO	PJ398SM	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
THROUGH HOLE	3.5MM JACK	MONO	PJ398SM	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/

9MM POTENTIOMETER EXAMPLES:

10KB	B10K - T18 shaft - Alpha Vertical 9mm Potenti	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
10KB	B10K - T18 shaft - Alpha Vertical 9mm Potenti	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
10KB	B10K - T18 shaft - Alpha Vertical 9mm Potenti	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
10KB	B10K - T18 shaft - Alpha Vertical 9mm Potenti	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
10KB	B10K - T18 shaft - Alpha Vertical 9mm Potenti	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
10KB	B10K - T18 shaft - Alpha Vertical 9mm Potenti	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
10KB	B10K - T18 shaft - Alpha Vertical 9mm Potenti	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
10KB	B10K - T18 shaft - Alpha Vertical 9mm Potenti	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
10KB	B10K - T18 shaft - Alpha Vertical 9mm Potenti	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/

10KB	LARGE KNOB LOCATION B10K - D shaft - Alpha Vertical 9mm Potenti	https://www.thonk.co.uk/shop/alpha-9mm-pots-dshaft/
	OR	

10KB	LARGE KNOB LOCATION B10K - Round shaft 6.35mm - Alpha Vertical 9	https://www.thonk.co.uk/shop/alpha-9mm-pots/
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10 TO 16 IDC RIBBON POWER CABLE

042311.0.0.27424c4dhnKloz
042311.0.0.27424c4dhnKloz
042311.0.0.27424c4dhnKloz
042311.0.0.27424c4dhnKloz
042311.0.0.27424c4dhnKloz
042311.0.0.27424c4dhnKloz