

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	NUMBER					DEGREE		SIZE		PART					LCSC PART	MANUFACTURE CODE		
2	1			89.301	20.177	90		SOT-223		LM1117 5V					C131933	LM1117MP-5.0/NOPB		
3	2			71.961	9.509	90		SMD-5032_2P		20MHZ CRYSTAL					C112566	X503220MSB2GI		
4	3			21.658	5.59	0		SOT-23		NPN			MMBT3904		C81464	MMBT3904LT1G		
5	4			103.731	29.244	0		SOT-23		LM4040 5.0V			5V REF		C156291	LM4040C50FTA		
6	5			35.628	42.42	0		SOT-23		NPN			MMBT3904		C81464	MMBT3904LT1G		
7	6			48.26	30.321	0		SOIC		74HC595D,118					C5947	74HC595D,118		
8	7			50.006	51.943	90		SOIC		MCP6002					C7377	MCP6002T-I/SN		
9	8			71.755	51.784	90		SOIC		MCP6002					C7377	MCP6002T-I/SN		
10	9			97.314	8.763	90		SOIC		MCP6002					C7377	MCP6002T-I/SN		
11	10			69.429	19.786	0				ATMEGA328P-AU					C14877	ATMEGA328P-AU		
12	11			66.993	5.093	0		SIZE0805		1UF					C28323	CL21B105KBFNNNE		
13	12			75.406	39.542	0		SIZE0805		1UF					C28323	CL21B105KBFNNNE		
14	13			104.934	23.826	0		SIZE0805		1UF					C28323	CL21B105KBFNNNE		
15	14			50.8	14.587	0		SIZE0805		100n					C38141	0805B104K500NT		
16	15			34.608	51.258	0		SIZE0805		100n					C38141	0805B104K500NT		
17	16			44.768	39.209	0		SIZE0805		100n					C38141	0805B104K500NT		
18	17			56.991	55.56	0		SIZE0805		100n					C38141	0805B104K500NT		
19	18			53.816	42.225	0		SIZE0805		100n					C38141	0805B104K500NT		
20	19			58.261	17.46	0		SIZE0805		100n					C38141	0805B104K500NT		
21	20			60.484	23.81	0		SIZE0805		100n					C38141	0805B104K500NT		
22	21			79.693	43.336	0		SIZE0805		100n					C38141	0805B104K500NT		
23	22			97.155	16.508	0		SIZE0805		100n					C38141	0805B104K500NT		
24	23			93.028	6.681	0		SIZE0805		10n			COG		C525283	FN21N103J500ECG		
25	24			93.028	11.285	0		SIZE0805		10n			COG		C525283	FN21N103J500ECG		
26	25			67.469	49.702	0		SIZE0805		10n			COG		C525283	FN21N103J500ECG		
27	26			67.469	54.306	0		SIZE0805		10n			COG		C525283	FN21N103J500ECG		
28	27			45.72	49.861	0		SIZE0805		10n			COG		C525283	FN21N103J500ECG		
29	28			45.72	54.465	0		SIZE0805		10n			COG		C525283	FN21N103J500ECG		
30	29			69.691	5.03	0		SIZE0805		22p			COG		C24658	0805CG220J500NT		
31	30			72.073	5.03	0		SIZE0805		22p			COG		C24658	0805CG220J500NT		
32	31			75.406	28.89	0		SIZE0805		100nF					C38141	0805B104K500NT		
33	32			56.991	33.176	0		SIZE0805		DIODE	OPTIONAL	DON'T NEE	SIZE0805	midi relate	C109001	CD4148WSP		
34	33			95.568	28.827	0		SIZE0805		SS14					C112424			
35	34			101.918	40.892	0		SIZE0805		SS14					C112424			
36	35			92.551	25.874	0		SIZE0805		BEAD					C21286	CBW201209U601T		
37	36			77.629	30.16	0		SIZE0805		BEAD					C21286	CBW201209U601T		
38	37			102.076	8.586	0		SIZE0805		100K 1%			1%					
39	38			104.299	8.586	0		SIZE0805		100K 1%			1%					
40	39			90.805	6.681	0		SIZE0805		100K 1%			1%					
41	40			90.805	11.285	0		SIZE0805		100K 1%			1%					
42	41			88.265	6.681	0		SIZE0805		100K 1%			1%					
43	42			84.296	3.188	270		SIZE0805		100K 1%			1%					
44	43			76.2	52.877	0		SIZE0805		100K 1%			1%					
45	44			79.534	52.877	0		SIZE0805		100K 1%			1%					
46	45			74.613	45.257	0		SIZE0805		100K 1%			1%					
47	46			72.39	45.257	0		SIZE0805		100K 1%			1%					
48	47			65.246	49.702	0		SIZE0805		100K 1%			1%					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
49	48			65.246	54.306	0		SIZE0805		100K 1%		1%						
50	49			54.61	51.131	0		SIZE0805		100K 1%		1%						
51	50			56.991	51.131	0		SIZE0805		100K 1%		1%						
52	51			46.196	45.416	0		SIZE0805		100K 1%		1%						
53	52			48.578	45.416	0		SIZE0805		100K 1%		1%						
54	53			43.498	49.861	0		SIZE0805		100K 1%		1%						
55	54			43.498	54.465	0		SIZE0805		100K 1%		1%						
56	55			18.733	7.792	0		SIZE0805		100K 1%		1%						
57	56			32.703	44.622	0		SIZE0805		100K 1%		1%						
58	57			41.593	10.777	0		SIZE0805		10k 1%		1%						
59	58			47.466	8.713	0		SIZE0805		10k 1%		1%						
60	59			104.458	34.43	0		SIZE0805		1k		1%						
61	60			5.08	17.92	0		SIZE0805		1k		1%						
62	61			5.08	30.779	0		SIZE0805		1k		1%						
63	62			5.08	35.7	0		SIZE0805		1k		1%						
64	63			16.51	22.524	0		SIZE0805		1k		1%						
65	64			19.05	30.144	0		SIZE0805		1k		1%						
66	65			19.05	36.018	0		SIZE0805		1k		1%						
67	66			18.732	3.179	0		SIZE0805		1M		1%						
68	67			32.702	40.009	0		SIZE0805		1M		1%						
69	68			45.085	8.729	0		SIZE0805		10K for LED		1%						
70	69			61.119	17.46	0		SIZE0805		220R	optional	1% midi related						
71	70			54.769	29.366	0		SIZE0805		220R	optional	1% midi related						
72	71			82.391	43.352	0		SIZE0805		4k7 for LED		1%						
73	72			80.963	5.252	0		SIZE0805		4k7 for LED		1%						
74	73			82.391	21.921	0		SIZE0805		4k7 for LED		1%						
75	74			53.023	18.079	0		SIZE0805		10k 1%		1%						
76	75			38.1	50.178	0		SIZE0805		100K		1%						
77	76			50.292	57.322	270		SIZE0805		100K		1%						
78	77			72.517	56.846	270		SIZE0805		100K		1%						
79	78			69.31	46.511	270		SIZE0805		100K		1%						
80	79			96.393	2.871	270		SIZE0805		100K		1%						
81	80			103.823	13.031	0		SIZE0805		100K		1%						
82	81			84.122	37.971	0		CASE B		10UF TANT		TANTULUM			C161582	CA45A-B-25V-10uF-K		
83	82			96.345	21.461	0		CASE B		10UF TANT		TANTULUM			C161582	CA45A-B-25V-10uF-K		
84	83			87.455	12.888	0		CASE B		10UF TANT		TANTULUM			C161582	CA45A-B-25V-10uF-K		
85	84			101.949	51.655	0		CASE B		10UF TANT		TANTULUM			C161582	CA45A-B-25V-10uF-K		
86																		
87																		
88																		
89	box power header														C383679	B-3002N10P-0110		
90																		
91	LED	3mm Type		3 Orange														
92				1 Red														
93																		
94	Midi Optional									6N137 and Dip Socket Optional			midi related					
95																		
96	HARDWARE																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
97		POTENTIOMETER	9MM POT				10KB		LIN				ALPHA OK					
98		POTENTIOMETER	9MM POT				10KB		LIN				ALPHA OK					
99		POTENTIOMETER	9MM POT				10KB		LIN				ALPHA OK					
100		POTENTIOMETER	9MM POT				10KB		LIN				ALPHA OK					
101		POTENTIOMETER	9MM POT				10KB		LIN				ALPHA OK					
102		POTENTIOMETER	9MM POT				10KB		LIN				ALPHA OK					
103		POTENTIOMETER	9MM POT				10KB		LIN				ALPHA OK					
104		POTENTIOMETER	9MM POT				10KB		LIN				ALPHA OK					
105		POTENTIOMETER	9MM POT				10KB		LIN				ALPHA OK					
106		3.5MM JACK	THONK OK															
107		3.5MM JACK	THONK OK															
108		3.5MM JACK	THONK OK															
109		3.5MM JACK	THONK OK															
110		3.5MM JACK	THONK OK															
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116		3.5MM JACK	THONK OK															
117		3.5MM JACK	THONK OK															
118		3.5MM JACK	THONK OK															
119		3.5MM JACK	THONK OK															
120	KNOBS																	
121		9 KNOBS		ARE UP TO YOU			DETERMINED BY YOUR 10KB POT CHOICE.											
122																		
123																		
124																		
125	TACTILE SWITCH																	
126	TACT BUTTON									TACTILE BUTTON		2.8MM HE, Touch Swit	https://www.aliexpress.com/item/32534955696.html?spm=a2g0					
127	caps push									WHITE	A15	CAP BUTTC Plastic Push	https://www.aliexpress.com/item/32770297469.html?spm=a2g0					

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