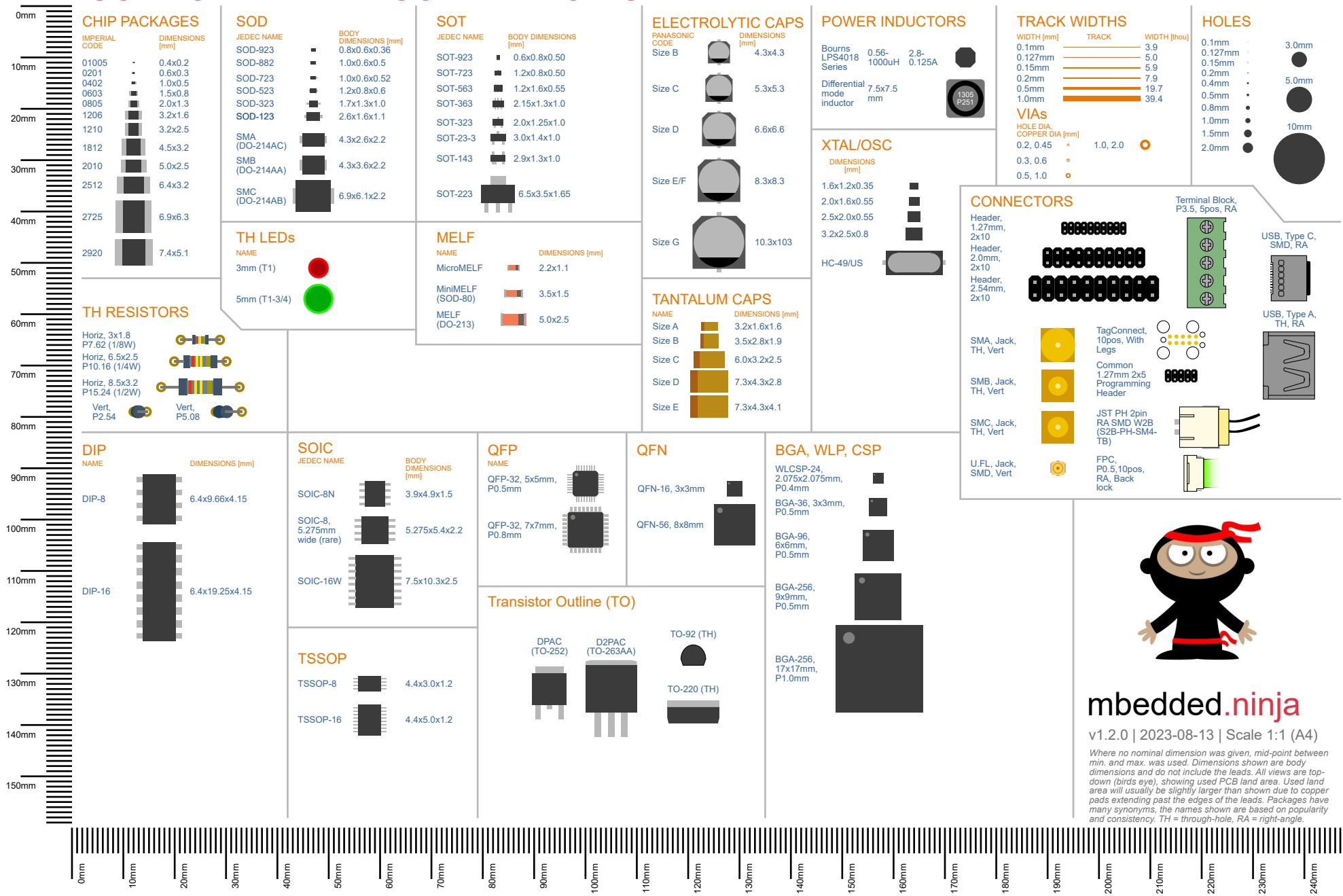


COMPONENT SIZE COMPARISON CHART



SMD REFERENCE SHEET

PASSIVE RECTANGULAR

SMD PACKAGE	DIMENSIONS mm	DIMENSIONS in
01005	0.4 x 0.2	0.016 x 0.008
0201	0.6 x 0.3	0.02 x 0.01
0402	1.0 x 0.5	0.04 x 0.02
0603	1.5 x 0.8	0.06 x 0.03
0805	2.0 x 1.3	0.08 x 0.05
1008	2.5 x 2.0	0.10 x 0.08
1206	3.0 x 1.5	0.12 x 0.06
1210	3.2 x 2.5	0.125 x 0.10
1806	4.5 x 1.6	0.18 x 0.06
1812	4.6 x 3.0	0.18 x 0.125
2010	5.0 x 2.5	0.20 x 0.10
2512	6.3 x 3.2	0.25 x 0.125

SOD SMALL OUTLINE DIODE

SOD PACKAGE TYPE	DIM(MM)
SOD-723	1.4 x 0.6 x 0.59
SOD-523	1.25 x 0.85 x 0.65
SOD-323	1.7 x 1.25 x 0.95
SOD-128	5 x 2.7 x 1.1
SOD-123	3.68 x 1.17 x 1.6
SOD-80C	3.5 x 1.5

DO-214

DO PACKAGE TYPE	DIM(MM)
DO-214AA (SMB)	5.3 x 3.6 x 2.25
DO-214AB (SMC)	7.95 x 5.9 x 2.25
DO-214AC (SMA)	5.2 x 2.6 x 2.15

MELF METAL ELECTRODE LEADLESS FACE

SMD PACKAGE TYPE	DIMENSIONS MM	RATING
MicroMELF / 0102	2.2 x 1.1	0.2 - 0.3W / 150V
MiniMELF / 0204	3.6 x 1.4	0.25 - 0.4W / 200V
MELF / 0207	5.8 x 2.2	0.4 - 1W / 300V

TANTALUM CAPACITORS

SMD PACKAGE	DIMENSIONS mm	EIA STANDARD
Size A	3.2 x 1.6 x 1.6	EIA 3216-18
Size B	3.5 x 2.8 x 1.9	EIA 3528-21
Size C	6.0 x 3.2 x 2.2	EIA 6032-28
Size D	7.3 x 4.3 x 2.4	EIA 7343-31
Size E	7.3 x 4.3 x 4.1	EIA 7343-43

ALUMINIUM CAPACITORS

SMD PACKAGE DIMENSIONS mm

Size A 3.3 x 3.3

Size B 4.3 x 4.3

Size C 5.3 x 5.3

Size D 6.6 x 6.6

Size E / F 8.3 x 8.3

Size G 10.3 x 10.3

SOT-23 SOT-223 TO-252 TO-263

SO8 TSSOP8 SSOP8 SOP8
3.8 x 4.8 3.1 x 4.5 2.9 x 3.15 6.5 x 5.6

PCB TRACK WIDTH

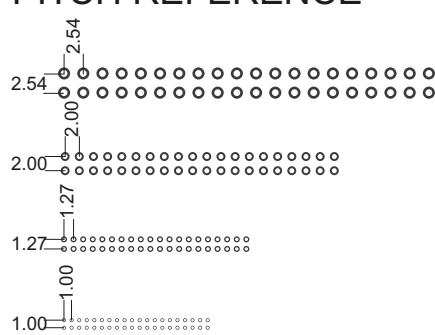
MILS	TRACE WIDTH
6	_____
8	_____
10	_____
12	_____
14	_____
16	_____
18	_____
20	_____
24	_____
30	_____
40	_____
60	_____

AWG	Ø MM	WIRE SIZE	AMPERE
10	2.59	55	
15	1.45	28	
20	0.81	11	
25	0.45	2.7	
28	0.32	1.4	
30	0.25	0.86	

HOLES DIAMETER

0,5	0,6	0,7	0,8	0,9	1,0
○	○	○	○	○	○
1,2	1,4	1,5	1,6		
○	○	○	○		
2,2	2,8	3,0	3,2		
○	○	○	○		

PITCH REFERENCE



V 1.0.3a
R : 2023/12/19
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