

Surface Mount Land Pattern Naming Convention

Libraries (Folder)	Component, Category (Description)	Land Pattern Name (Naming Convention)
01.BGA_C-N	Ball Grid Array's	BGA + Pin Qty. + C or N + P Pitch _ Ball Columns X Ball Rows _ Body Length X Width X Height + B Ball Diameter
02.BGAD_C-N	BGA w/Dual Pitch	BGA + Pin Qty. + C or N + P Col Pitch X Row Pitch _ Ball Columns X Ball Rows _ Body Length X Width X Height + B Ball Diameter
03.BGAS_C-N	BGA w/Staggered Pins	BGAS + Pin Qty. + C or N + P Pitch _ Ball Columns X Ball Rows _ Body Length X Width X Height + B Ball Diameter
04.CAPCAV	Capacitors, Chip, Array, Concave	CAPCAV + Pin Qty. + P Pitch _ + Body Length X Width X Height + L Lead Length X Width
05.CAPCAF	Capacitors, Chip, Array, Flat	CAPCAF + Pin Qty. + P Pitch _ + Body Length X Width X Height + L Lead Length X Width
06.CAPC	Capacitors, Chip	CAPC + Body Length X Width X Height + L Lead Length
07.CAPCP	Capacitors, Polarized, Chip	CAPPC + Body Length X Width X Height + L Lead Length
08.CAPDFN	Capacitors, Dual Flat No-lead	CAPDFN + Body Length X Width X Height + L Lead Length X Width
09.CAPPDFN	Capacitors, Polarized, Dual Flat No-lead	CAPPDFN + Body Length X Width X Height + L Lead Length X Width
10.CAPM	Capacitors, Molded	CAPM + Lead Span X Body Width X Height + L Lead Length X Width
11.CAPPM	Capacitors, Polarized, Molded	CAPPM + Lead Span X Body Width X Height + L Lead Length X Width
12.CAPAE	Capacitors, Aluminum Electrolytic	CAPAE + Base Body Size X Height + L Lead Length X Width
13.CFP	Ceramic Flat Packages	CFP + Pin Qty. + P Pitch _ Body Length X Lead Span X Height + L Lead Length X Width
14.CGA	Column Grid Array, Circular Lead	CGA + Pin Qty. P Pitch _ Pin Columns X Pin Rows _ Body Length X Width X Height + L Diameter
15.PCGA	Pillar Column Grid Array	PCGA + Pin Qty. P Pitch _ Pin Columns X Pin Rows _ Body Length X Width X Height + L Diameter
16.XTAL	Crystals (2 leads)	XTAL + Body Length X Width X Height + L Lead Length X Width
17.XTALDFN	Crystals, Dual Flat No-lead	XTALDFN + Body Length X Width X Height + L Lead Length X Width
18.XTALSC	Crystals, Side Concave	XTALSC + Body Length X Width X Height + L Lead Length
19.DIOC	Diodes, Chip	DIOC + Body Length X Width X Height + L Lead Length
20.DIODFN	Diodes, Dual Flat No-lead	DIODFN + Pin Qty. _ Body Length X Width X Height + L Lead Length X Width
21.DIOM	Diodes, Molded	DIOM + Lead Span X Body Width X Height + L Lead Length X Width
22.DIONC	Diodes, Non-polarized, Chip	DIONC + Lead Span X Body Width X Height + L Lead Length
23.DIONDFN	Diodes, Non-polarized, Dual Flat No-lead	DIONDFN + Pin Qty. _ Body Length X Width X Height + L Lead Length X Width
24.DIONM	Diodes, Non-polarized, Molded	DIONM + Lead Span X Body Width X Height + L Lead Length X Width
25.DIOMELF	Diodes, MELF	DIOMELF + Body Length + Diameter + L Lead Length
26.DIOSC	Diodes, Side Concave	DIOSC _ Body Length X Width X Height + L Lead Length
27.DIOSC4	Diodes, Side Concave, 4 Pin	DIOSC4 + P Pitch _ Body Length X Width X Height + L Lead Length
28.SODFL	Diodes, Small Outline Flat Lead, 2 Pin	SODFL + Lead Span X Body Width X Height + L Lead Length X Width
29.DIOSOFL	Diodes, Small Outline Flat Lead, 3 - 6 Pin	DIOSOFL + Pin Qty. + P Pitch _ + Lead Span X Body Height + L Lead Length X Width
30.DPAK	DPAK	DPAK + Pin Qty. + P Pitch _ Lead Span X Height + L Lead Length X Width + T Thermal Tab Pad Length X Width
31.BEADC	Ferrite Bead, Chip	BEADC + Body Length X Width X Height + L Lead Length
32.FUSC	Fuses, Chip	FUSC + Body Length X Width X Height + L Lead Length
33.FUSDFN	Fuses, Dual Flat No-Lead	FUSDFN + Body Length X Width X Height + L Lead Length X Lead Width
34.FUSM	Fuses, Molded	FUSM + Lead Span X Body Width X Height + L Lead Length X Lead Width
35.FUSSC	Fuses, Side Concave	FUSSC + Body Length X Width X Height + L Lead Length
36.SOPFL	IC, Small Outline Package, Flat Lead	SOPFL + Pin Qty. + P Pitch _ + Lead Span X Body Height + L Lead Length X Width
37.INDC	Inductors, Chip	INDC + Body Length X Width X Height + L Lead Length
38.INDCAV	Inductors, Chip, Array, Concave	INDCAV + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width
39.INDCAF	Inductors, Chip, Array, Flat	INDCAF + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width
40.INDDFN	Inductors, Dual Flat No-lead	INDDFN + Body Length X Width X Height + L Lead Length X Width
41.INDM	Inductors, Molded	INDM + Lead Span X Body Width X Height + L Lead Length X Width
42.INDPM	Inductors, Precision, Molded	INDPM + Lead Span X Body Width X Height + L Lead Length X Width
43.INDSC	Inductors, Side Concave	INDSC + Body Length X Width X Height + L Lead Length
44.ICSOFL	Integrated Circuit, Small Outline, Flat Lead, 3 - 6 pin	ICSOFL + Pin Qty. + P Pitch _ + Lead Span X Body Height + L Lead Length X Width
45.LGA_C	Land Grid Array, Circular Lead	LGA + Pin Qty. + C + P Pitch _ Pin Columns X Pin Rows _ Body Length X Width X Height + L Lead Diameter
46.LGA_S	Land Grid Array, Square Lead	LGA + Pin Qty. + S + P Pitch _ Pin Columns X Pin Rows _ Body Length X Width X Height + L Lead Size
47.LEDC	LED's, Chip	LEDC + Body Length + Width X Height + L Lead Length
48.LEDDFN	LED's, Dual Flat No-lead	LEDDFN + Body Length X Width X Height + L Lead Length X Width
49.LEDM	LED's, Molded	LEDM + Lead Span X Body Width X Height + L Lead Length X Width
50.LEDSC	LED's, Side Concave	LEDSC + Body Length X Width X Height + L Lead Length
51.LEDSC4	LED's, Side Concave, 4 Pin	LEDSC4 + P Pitch _ Body Length X Width X Height + L Lead Length
52.OSCDFN4	Oscillators, Dual Flat No-Lead (4-pin)	OSCDFN4 _ Body Length X Width X Height + L Lead Length X Width
53.OSCSC	Oscillators, Side Concave	OSCSC + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width
54.OSCSF	Oscillators, Side Flat	OSCSF + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width
55.OSCJ	Oscillators, J-Lead	OSCJ + Pin Qty. + P Pitch _ Body Length X Lead Span X Height + L Lead Length X Width
56.OSCL	Oscillators, L-Bend Lead	OSCL + Pin Qty. + P Pitch _ Body Length X Lead Span X Height + L Lead Length X Width
57.OSCCC	Oscillators, Corner Concave	OSCCC + Body Length X Width X Height + L Lead Length X Width
58.PLCC	Plastic Leaded Chip Carriers	PLCC + Pin Qty. + P Pitch _ Lead Span L1 X Lead Span L2 Nominal X Height + L Lead Width
59.PLCCS	Plastic Leaded Chip Carrier Sockets Square	PLCCS + Pin Qty. + P Pitch _ Lead Span L1 X Lead Span L2 Nominal X Height + L Lead Width
60.PSON	Pull-back Small Outline No-lead	PSON + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width + T Thermal Pad Length X Width
61.PQFN	Pull-back Quad Flat No-lead	PQFN + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width + T Thermal Pad Length X Width
62.QFP	Quad Flat Packages	QFP + Pin Qty. + P Pitch _ Lead Span L1 X Lead Span L2 Nominal X Height + L Lead Length X Width + T Thermal Pad Length X Width
63.CQFP	Ceramic Quad Flat Packages	CQFP + Pin Qty. + P Pitch _ Lead Span L1 X Lead Span L2 Nominal X Height + L Lead Length X Width
64.QFN	Quad Flat No-lead	QFN + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width + T Thermal Pad Length X Width
65.LCC	Quad Leadless Ceramic Chip Carriers	LCC + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width
66.LCCS	Quad Leadless Ceramic Chip Carriers (Pin 1 on Side)	LCCS + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width
67.RESC	Resistors, Chip	RESC + Body Length X Width X Height + L Lead Width
68.RESCAV	Resistors, Chip, Array, Concave	RESCAV + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width
69.RESCAXE	Resistors, Chip, Array, Convex, E-Version (Even Pin Size)	RESCAXE + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width
70.RESCAXS	Resistors, Chip, Array, Convex, S-Version (Side Pins Diff)	RESCAXS + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width
71.RESCAF	Resistors, Chip, Array, Flat	RESCAF + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width
72.RESDFN	Resistors, Dual Flat No-lead	RESDFN + Pin Qty. _ Body Length X Width X Height + L Lead Length X Width
73.RESMELF	Resistors, MELF	RESMELF + Body Length + Diameter + L Lead Width
74.RESM	Resistors, Molded	RESM + Lead Span X Body Width X Height + L Lead Length X Width
75.RESSC	Resistors, Side Concave	RESSC + Body Length X Width X Height + L Lead Length X Width
76.SOJ	Small Outline IC, J-Leaded	SOJ + Pin Qty. + P Pitch _ Body Length X Lead Span X Height + L Lead Width
77.SOL	Small Outline IC, L-Leaded	SOL + Pin Qty. + P Pitch _ Body Length X Lead Span X Height + L Lead Width
78.SOIC	Small Outline Integrated Circuit, (50 mil Pitch SOIC)	SOIC + Pin Qty. + P Pitch _ Body Length X Lead Span X Height + L Lead Length X Width
79.SOP	Small Outline Packages	SOP + Pin Qty. + P Pitch _ Body Length X Lead Span X Body Height + L Lead Length X Width + T Thermal Pad Length X Width
80.SON	Small Outline No-lead	SON + Pin Qty. + P Pitch _ Body Length X Width X Height + L Lead Length X Width + T Thermal Pad Length X Width
81.SOD	Small Outline Diode	SOD + Lead Span X Body Width X Height + L Lead Length X Width
82.SOT143	SOT143	SOT143- + Pin Qty. + P Pitch _ Lead Span X Body Height + L Lead Length
83.SOT343	SOT343	SOT343- + Pin Qty. + P Pitch _ Lead Span X Body Height + L Lead Length
84.SOT23	SOT23	SOT23- + Pin Qty. + P Pitch _ Lead Span X Body Height + L Lead Length
85.SOT223	SOT223	SOT223- + Pin Qty. + P Pitch _ Lead Span X Body Height + L Lead Length
86.THRMC	Thermistors, Chip	THRMC + Body Length + Width X Height + L Lead Width
87.TRXSOFL	Transistors, Small Outline, Flat Lead, 3 - 6 pin	TRXSOFL + Pin Qty. + P Pitch _ + Lead Span X Body Height + L Lead Length X Width
88.TRXDFN	Transistors, Dual Flat No-lead	TRXDFN + Pin Qty. _ Body Length X Body Width X Height + L Lead Length X Width
89.VARC	Varistors, Chip	VARC + Body Length X Width X Height + L Lead Width