Generic Attributes:

Name	Description
elementdir	Directory where created footprints are stored
part	Name of part to be generated
type	One of "bga", "qfp", "so", "tabbed", "dip" or "sip"
silkwidth	Width of silkscreen lines
silkstyle	One of "inside" or "outside" --- locate part outline inside or outside pads "corners" available only on qfp, draws corner markers only, uses silkboxwidth and silkboxheight
silkboxwidth	Width of part outline box
silkboxheight	Height of part outline box
silkoffset	If box above is too small, spacing between edge of pad and outline box
maskclear	2 times the spacing between edge of pad and soldermask
polyclear	Spacing between edge of pad and neighboring polygons
refdesx	X coordinate of reference designator
refdesy	Y coordinate of reference designator

BGA Attributes:

Name	Description
rows	Number of rows of pads---up to 400: ['A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'J', 'K', 'L', 'M', 'N', 'P', 'R', 'T', 'U', 'V', 'W', 'Y', 'AA', 'AB', ...]
cols	Number of columns of pads
dia	Diameter of pads
omitballs	Pads to omit from package: single balls or groups of balls can be specified Ex: "C3,H8:R15,U8:U15"
pitch	Spacing between pads

QFP Attributes:

Name	Description
pins	Number of pins on package (must be a multiple of four)
pinshigh	For rectangular packages, the number of pins on the vertical axis (set to 0 for square)
pitch	Spacing between pins
width	Distance between inside edges of pads on left and right sides (See drawing)
height	Distance between inside edges of pads on top and bottom (See drawing)
padwidth	(See drawing)
padheight	(See drawing)
ep	Square exposed paddle side length, set to zero to disable paddle

SO Attributes:

Name	Description
pins	Number of pins on package
pitch	Spacing between pins
width	Distance between inside edges of pads on left and right sides (See drawing)
padwidth	(See drawing)
padheight	(See drawing)

Tabbed Attributes:

Name	Description
pins	Number of pins on package
pitch	Spacing between pins
height	Distance between inner edge of pads and edge of tab(See drawing)
padwidth	(See drawing)
padheight	(See drawing)
tabwidth	(See drawing)
tabheight	(See drawing)

Two Pad Attributes:

Name	Description
width	Distance between inside edges of pads on left and right sides (See drawing)
padwidth	(See drawing)
padheight	(See drawing)

DIP Attributes:

Name	Description
pins	Number of pins on package
pitch	Spacing between pins
width	Center to center distance between pads on left and right sides
drill	Diameter of hole in pad
paddia	Diameter of pad

SIP Attributes:

Name	Description
pins	Number of pins on package
pitch	Spacing between pins
drill	Diameter of hole in pad
paddia	Diameter of pad