Pinlist File Format

The Pinlist file contains all the information needed to create a Die in AsPacker as well as geometries information about the Pads on the Die. Multiple Pinlist files can be loaded if stacked devices are used. Lines that start with an "*" are considered comments. All unites are in microns.

The Header

This section contains all the information concerning the Die and File properties.

File Path: C:\….\U1_ABC.pinlist   Created: 6/22/2014 7:01:35 AM

Component U1
Part ABC

Die Width 1420.000
Die Height 2140.000
Die Thickness 525.000

Origin Center

Back Bias ??

- **File Path** is the path to the Pinlist and the date and dime it was created
- **Component** Defines the part as found in the netlist U1, U2,….
- **Part** Defines the Name of the die. 68HC11
- **Die Width** is the Width of the Die. (X direction)
- **Die Height** is the Height of the Die. (Y direction)
- **Die Thickness** is the height or thickness of the Die. (Z direction)
- The **Origin** is either the Center or the Lower Left Corner of the die and the (0:0) point of the coordinates.
- The **Back Bias** is for documentation only but defines the electrical potential of the back of the die. Normally this would be Ground or VSS. If unknown it is "??".

Pin List

This section defines all the pads on the die.

Pin	Height	Width	X	Y	PkgPin	Type	Net
2	40.000	40.000	-680.000	930.000	2	??	NET2

- **Pin** is the pad number on the Die.
- **Height** is the Y dimension of the pad.
- **Width** is the X dimension of the pad.
- **X** is the X location of the center of the pad.
- **Y** is the Y location of the center of the pad.
- **PkgPin** is the pin assignment of the package. It by default is the same as the Pin.
- **Type** defines what the pad is used for. Signal, Power Ground or ?? if unknown.
- **Net** is the assigned name for the pad.

Note: The Height and Width of a pad are as they appear. This differs from the LIQ pad Height and Width, which takes edge information into consideration when defining the pad.