

| <u>Key</u> | <u>CTRL</u>            | <u>Mark</u>                  | <u>Draw</u>            | <u>Sel</u>                              | <u>CTRL-TAB</u>               | <u>other</u>               |
|------------|------------------------|------------------------------|------------------------|---|-------------------------------|----------------------------|
| A          | --                     | MarkArea<br>SelCorner        | Alter<br>(bus or xstr) | AreaSel to Mark                         |                               |                            |
| B          | ConvToBus              | Make Burr                    | DrawBus                | --                                      | ConvToBus,Dammit              |                            |
| C          | DefCell                | GetCell                      | Copy                   | --                                      | Write Cif                     | TAB:set color table        |
| D          | Del(S)                 | --                           | Del(P)                 | DeSelect                                | --                            |                            |
| E          | ExpCell(S)             | ExpCell(P)                   | --                     | --                                      | OpenErrFile                   | TAB:get next err file line |
| F          | --                     | --                           | --                     | --                                      | Flush Undel list (with shift) |                            |
| H          | --                     | --                           | --                     | --                                      | Hardcopy                      |                            |
| I          | IncrWire<br>Count(S)   | Incr/Decr<br>WCount(P)       | --                     | --                                      | Input                         | <Ctrl><Shft>:DecrWCount(S) |
| L          | Lengthen(S)            | Lengthen(P)                  | --                     | --                                      | --                            |                            |
| M          | Mirror(S)              | Mirror(P)                    | Move                   | --                                      | --                            |                            |
| N          | Narrow(S)              | Narrow(P)                    | --                     | --                                      | --                            |                            |
| O          | --                     | --                           | --                     | --                                      | Output                        | TAB:Make Ovg               |
| P          | Push(S)                | Push(P)                      | draw Pullup            |   |                               | shift:Push by name         |
| Q          | --                     | --                           | draw one Wire          | --                                      | Quit                          |                            |
| R          | Rot (S)                | Rot (P)                      | --                     | --                                      | Restart (with shft)           |                            |
| S          | Shorten(S)             | Shorten(P)                   | Stretch(PS)            | --                                      | Output Spice file             |                            |
| T          | EnterText(S)           | EntText(P)                   | draw Xstr              | --                                      | --                            | Tab:change font            |
| U          | Undel                  | --                           | --                     | --                                      | --                            |                            |
| W          | Widen(S)               | Widen(P)                     | Alter width            | --                                      | --                            |                            |
| X          | --                     | --                           | draw Xstr              |   |                               |                            |
| Z          | display all cell names |                              | draw AngledXstr        |   |                               |                            |
| 0          | DefaultSiz(S)          | DefaultSiz(P)                | --                     | --                                      | --                            |                            |
| 1,2,3      | set layer              | --                           | draw contact           | set layer                               |                               |                            |
| ^(_)       | Pop                    | --                           | --                     | --                                      | Pop                           | (any):Pop                  |
| SPC        | flip wires             | movCol                       | movScrn                | movBW                                   |                               |                            |
| none       | --                     | Set Mark<br>(terminate wire) | draw wire              | Sel single<br>(any makes it extend sel) |                               |                            |

The following keys ignore modifiers (like Ctrl, Tab, Mark, Sel):

|      |   |
|------|---|
| ESC  | Leave wiring, update scrn, etc.         |
| UNDO | Terminate command waiting for type-in   |
| =    | Move selected stuff RIGHT by one lambda |
| \    | Move selected stuff LEFT by one lambda  |
| LF   | Move selected stuff UP by one lambda    |
| DEL  | Move selected stuff DOWN by one lambda  |

**NOTE: "any" means any (non-null) combination of Ctrl, Shift, or Tab**

**The following have special meaning while drawing busses:**

| <u>Key</u> | <u>CTRL</u> | <u>CTRL-SHIFT</u> |
|------------|-------------|-------------------|
| I          | IncrCount   | DecrCount         |
| S          | IncrSpacing | DecrSpacing       |

### chipmonk.profile file format:

When chipmonk starts up it looks for a file called "chipmonk.profile". If it finds it it reads in and interprets each line to be of the form: <key-word><sep><value> where sep is a non-null string consisting of the characters <space> or : or = and value is a number (string of digits) or (in the case of boolean values) a word starting with t, f, y, n, 0, or 1. Case is consistently ignored. Key-words may be greatly abbreviated. In the following table, the upper-case letters are those which **must** be present for the key-word to be recognised. Case is ignored. The following key-words are recognised:

| <u>Key-word</u>     | <u>type of value</u>  |
|---------------------|---|
| ORieNtation         | # [0..7]  |
| Xstr Ratio Width    | #   |
| Xstr Ratio Length   | #   |
| Pullup Ratio Width  | #   |
| Pullup Ratio Length | #   |
| IMPLant             | BOOL  |
| Color SCaLe         | # [1..20]   |
| Bw SCaLe            | # [1..20]   |
| Dif WiDth           | # (lambda)  |
| Pol WiDth           | # (lambda)  |
| Met WiDth           | # (lambda)  |
| CursoR Grid         | # (in points)   |
| TicKs               | # (lambda)  |
| SiZe Cutoff Bw      | #   |
| SiZe Cutoff Color   | #   |
| SEL NeW             | BOOL  |
| CiF SCaLe           | #   |
| Color TABLE         | # # (two numbers -- x & y with the upper left table 0,0<br>and the one to its right 1,0 and the one below it 0,1) |