## Chipmonk File:

Word: Code 123751B uniquely identifies this to be a Chipmonk file.
Word: $\quad$ Version number of file format (Currently 4).
Word: Count $N$ of how many cell definitions follow


Cell Definition:
$\begin{array}{ll}\text { Word } & C \in \text { number, sequential in [1..N] } \\ \text { String } & C e l l \\ & \text { name (see structure below) }\end{array}$
Word $\quad$ Size $X$ of bounding box (units of half-lambda)
Word Size $Y$ of bounding box
Word Spare, set to 0
List Items in the cell (see structure below)
List:

| Word | Count $M$ of how many items follow. |
| :--- | :--- |
| Item 1 | Item 2 |

(
Word
Object
details of object (see next page)
Word Count J of properties.
Prop. 1
Prop. 2

Prop.

Property: Text
Word
$1=$ Code for Text property
String
T\& string (see structure below)
Note: Node names are text properties of items with wire objects with same layer as specified for CIF text.

String:
Word
Word

Note: High-order bytes come first.
String length in bytes, \& first byte.
second \& third byte

Word Last byte \& zero, or last two bytes.
*all dimensions are in units of half-lambda

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## Object: General

Word Code identifies type of object Additional information depending on type of object (see below)

Object: UnEnown
Word $\quad 0=$ code for Unknown
Word 0

## Object: Cell Instance

Word $\quad 1=$ code for Cell Instance.
Word $\quad$ Number in [1..n] specifying which cell this is an instance of.

## Object: Transistor



*all dimensions are in units of half-lambda.
$\underset{\text { PARC }}{\underset{\text { XEROX }}{ }}$

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