



**NAME**

locon – mbk logical connector

**DESCRIPTION**

The **locon** is used to describe a connector of the logical view of a figure. Connectors are describing the cell interface, and are the link between its physical and logical views, so the names must be the same.

The declarations needed to work on **locon** are available in the header file `"/labo/include/mlo404.h"`, where '404' is the actual mbk version.

The following C structure supports the description of the logical connector :

```
typedef struct locon {
    struct locon  *NEXT;
    char          *NAME;
    struct losig  *SIG;
    void          *ROOT;
    char          DIRECTION;
    char          TYPE;
    struct ptype  *USER;
} locon_list;
```

<i>NEXT</i>	Pointer to the next <b>locon</b> of the list.												
<i>NAME</i>	Name of the connector. It identifies the connector, so it should be unique in a given logical figure. A logical connector with a given name corresponds to the physical connector or connectors of this name.												
<i>SIG</i>	Pointer to the signal linked to the connector. This signal is, of course, unique. See <b>losig</b> (3) for details.												
<i>ROOT</i>	Pointer to the object it belongs to. This object may be either a <b>lofig</b> , or a <b>loins</b> , depending on the type of the connector. See <b>lofig</b> (3) and <b>loins</b> for details.												
<i>DIRECTION</i>	This indicates the way of the information going through the connector. Six directions are legal : <table data-bbox="542 1198 1117 1467"> <tr><td><b>IN</b></td><td>input</td></tr> <tr><td><b>OUT</b></td><td>output</td></tr> <tr><td><b>INOUT</b></td><td>input and output</td></tr> <tr><td><b>UNKNOWN</b></td><td>no information is available</td></tr> <tr><td><b>TRISTATE</b></td><td>tristate output</td></tr> <tr><td><b>TRANSCV</b></td><td>tristate output and input</td></tr> </table>	<b>IN</b>	input	<b>OUT</b>	output	<b>INOUT</b>	input and output	<b>UNKNOWN</b>	no information is available	<b>TRISTATE</b>	tristate output	<b>TRANSCV</b>	tristate output and input
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<b>TRISTATE</b>	tristate output												
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<i>TYPE</i>	Character indicating if the connector belongs to a model or an instance. It can take two values : <table data-bbox="542 1545 1077 1624"> <tr><td><b>EXTERNAL</b></td><td>for figure connectors</td></tr> <tr><td><b>INTERNAL</b></td><td>for instance connectors</td></tr> </table> <p>The <i>TYPE</i> is needed to appropriately cast the <i>ROOT</i> field, and must be appropriately filled by the parsers. A misuse of it may cause strange behaviours.</p>	<b>EXTERNAL</b>	for figure connectors	<b>INTERNAL</b>	for instance connectors								
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<i>USER</i>	Pointer to a ptype list, see <b>ptype</b> for details, that is a general purpose pointer used to share informations on the connector.												

**SEE ALSO**

**mbk**(1), **mbk**(3), **addlocon**(3), **getlocon**(3), **dellocon**(3), **losig**(3), **ptype**(3), **loins**(3), **lofig**(3).

**BUG REPORT**

This tool is under development at the **ASIM** department of the **LIP6** laboratory. We need your feedback to improve documentation and tools.



