

You are here: Synthesis Man Pages > **Synthesis Tool Commands** > **r** > report_reference

report_reference

NAME
SYNTAX
ARGUMENTS
DESCRIPTION
EXAMPLES
SEE ALSO

NAME

report_reference

Displays information about references in the current instance or in the current design.

SYNTAX

```
status report_reference
      [-nosplit]
      [-hierarchy]
```

ARGUMENTS

-nosplit

Prevents line splitting and facilitates writing software to extract information from the report output. Most of the design information is listed in fixed-width columns. If the information for a given field exceeds the column width, the next field begins on a new line, starting in the correct column.

-hierarchy

Displays information about references across the hierarchy in the current instance or the current design.

DESCRIPTION

This command displays information about all references in the current instance or the current design. If the current instance has been set, the report is generated for the design of that instance. Otherwise the report is generated for the current design.

Multicorner-Multimode Support

This command uses information from the current scenario only.

EXAMPLES

The following is an example of a reference report:

```
prompt> report_reference

*****
Report : reference
Design : CONTROL
Version: Y-2006.06
Date   : Mon Dec 12 14:09:33 2005
*****
```

Attributes:

b - black box (unknown)
 bo - boundary optimization
 d - dont_touch
 h - hierarchical
 n - noncombinational
 r - removable
 s - synthetic module
 u - contains unmapped logic

Reference	Library	Unit Area	Count	Total Area	Attributes
CTLX		101.00	1	101.00	h
INV	tech_lib	1.00	1	1.00	
JMM		0.00	0	0.00	b, d
JMM1		0.00	0	0.00	b
JPMP		0.00	1	0.00	h, u
MX1P	tech_lib	8.00	8	64.00	n
NAND2	tech_lib	1.00	6	6.00	
NAND3	tech_lib	2.00	1	2.00	
Total 8 references				174.00	

The following is an example of a reference report across a hierarchy:

```
prompt> report_reference -hierarchy
```

```

*****
Report : reference
Design : top
Version: Y-2006.06
Date   : Mon Dec 12 04:25:17 2005
*****

```

Attributes:

b - black box (unknown)
 bo - boundary optimization
 d - dont_touch
 h - hierarchical
 n - noncombinational
 r - removable
 s - synthetic module
 u - contains unmapped logic

Reference	Library	Unit Area	Count	Total Area	Attributes
AN3	tech_lib	2.00	8	16.00	
mid_0		56.00	1	56.00	h, n
Total 2 references				72.00	

```

*****
Design: mid_0
*****

```

Reference	Library	Unit Area	Count	Total Area	Attributes
low_0		28.00	1	28.00	h, n
low_5		28.00	1	28.00	h, n
Total 2 references				56.00	

```

*****
Design: low_0
*****

```

Reference	Library	Unit Area	Count	Total Area	Attributes
FD1	tech_lib	7.00	4	28.00	n
Total 1 references				28.00	

```

*****
Design: low_5

```

```
*****
```

Reference	Library	Unit Area	Count	Total Area	Attributes
FD1	tech_lib	7.00	4	28.00	n
Total 1 references				28.00	

SEE ALSO

```
report_cell(2)
report_design(2)
```