

## DC综合结果

```
1 results\  
2 ----mult.area_rpt  
3 ----mult.constraint_rpt  
4 ----mult.timing_rpt
```

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Report : area  
Design : mult64x64\_top  
Version: 0-2018.06-SP1  
Date : Wed Jul 8 14:52:45 2020

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Library(s) Used:

smic13\_ss (File: /stupart1/users/stu3082/mult/db/smic13\_ss.db)

Number of ports:	15862
Number of nets:	42943
Number of cells:	28539
Number of combinational cells:	22012
Number of sequential cells:	5159
Number of macros/black boxes:	0
Number of buf/inv:	2579
Number of references:	3

Combinational area:	235765.530358
Buf/Inv area:	21945.204036
Noncombinational area:	187417.078045
Macro/Black Box area:	0.000000
Net Interconnect area:	undefined (Wire load has zero net area)

Total cell area:	423182.608403
Total area:	undefined

\*\*\*\*\*

Report : constraint  
-all\_violators  
Design : mult64x64\_top  
Version: 0-2018.06-SP1  
Date : Wed Jul 8 14:52:46 2020

\*\*\*\*\*

max\_area

Design	Required Area	Actual Area	Slack
mult64x64_top	0.00	423182.59	-423182.59 (VIOLATED)

clock clock (rise edge)	20.00	20.00
clock network delay (ideal)	0.00	20.00
output external delay	-8.00	12.00
data required time		12.00
-----		
data required time		12.00
data arrival time		-8.53
-----		
slack (MET)		3.47

## FM一致性检查结果

```

1 | results\
2 | ----report_unmatched_points.rpt
3 | ----report_matched_points.rpt
4 | ----report_failing.rpt
5 | ----report_passing.rpt

```

\*\*\*\*\* Verification Results \*\*\*\*\*

Verification SUCCEEDED

ATTENTION: synopsys\_auto\_setup mode was enabled.  
See Synopsys Auto Setup Summary for details.

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Reference design: r:/WORK/mult64x64\_top  
Implementation design: i:/WORK/mult64x64\_top  
5238 Passing compare points

Matched Compare Points	BBPin	Loop	BBNet	Cut	Port	DFF	LAT	TOTAL
Passing (equivalent)	0	0	0	0	128	5110	0	5238
Failing (not equivalent)	0	0	0	0	0	0	0	0
Not Compared								
Constant reg						46	0	46

\*\*\*\*\*

```

1
#verify r:/WORK/${TOP} i:/WORK/${TOP}
report_failing > ./results/report_failing.rpt
report_passing > ./results/report_passing.rpt
sh date
Wed Jul  8 18:14:09 CST 2020
# 启动 FM
# fm_shell -f ./fm.tcl | tee ./fm.log
Information: Defining new variable 'TOP'. (CMD-041)
fm_shell (verify)> exit

```

```

*****
Report          : failing_points

```

```

Reference       : r:/WORK/mult64x64_top
Implementation  : i:/WORK/mult64x64_top
Version         : I-2013.12-SP4
Date            : Wed Jul  8 18:14:09 2020

```

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No failing compare points.

1