MOD 5 COUNTER

Specification:-

Frequency of operation-250MHz

Counting States:

000

001

010

011

100

Layout:-

Height-1.4um

Length-107um

Setup and holdtime less than 1ps

Max frequency of operation:-

JK Flipflop- 4GHz

Counter-2GHz

DRC errors:-

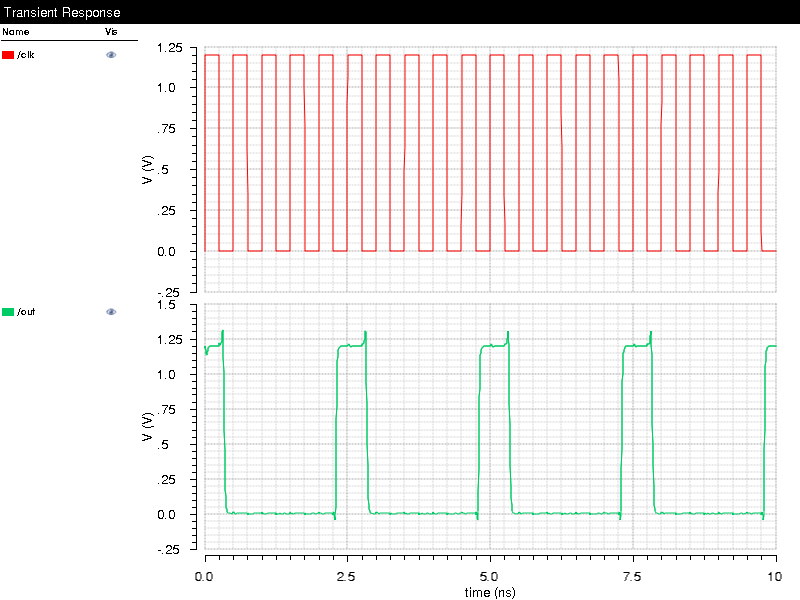
2 Density errors not addressed. All errors checked except this.

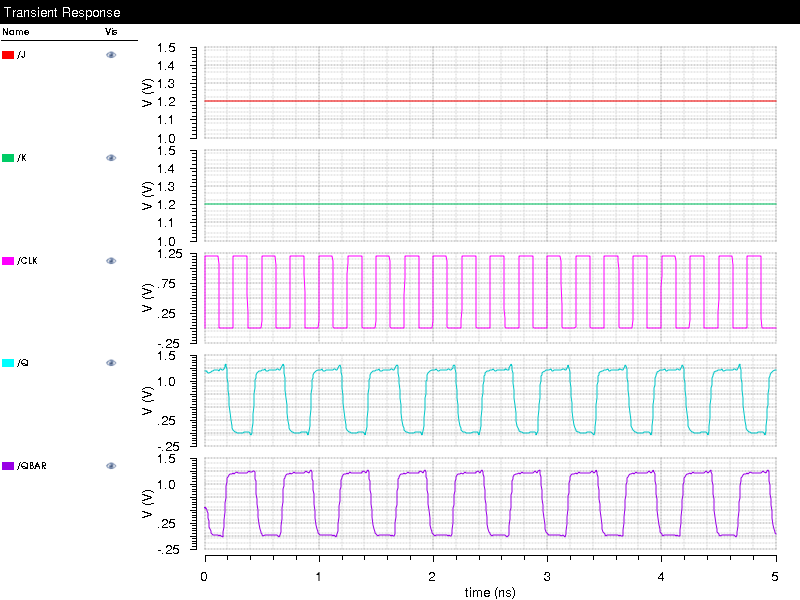
LVS errors:

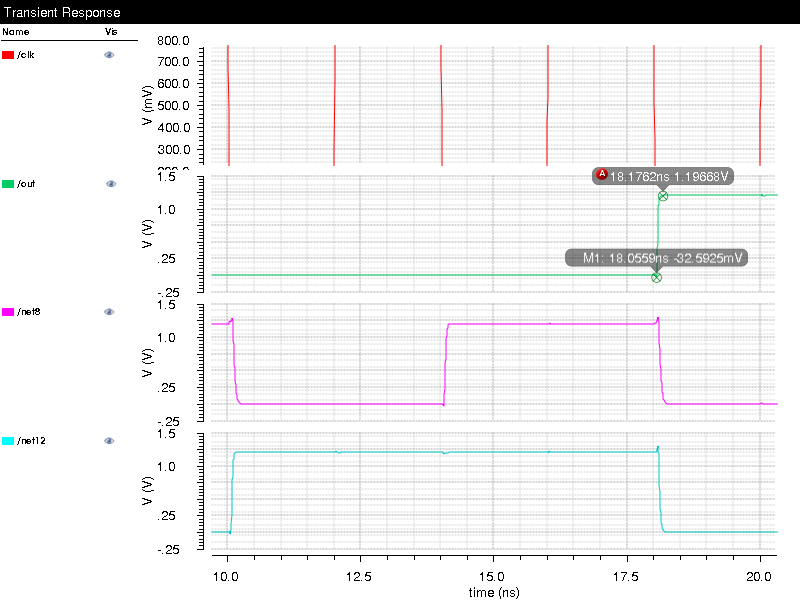
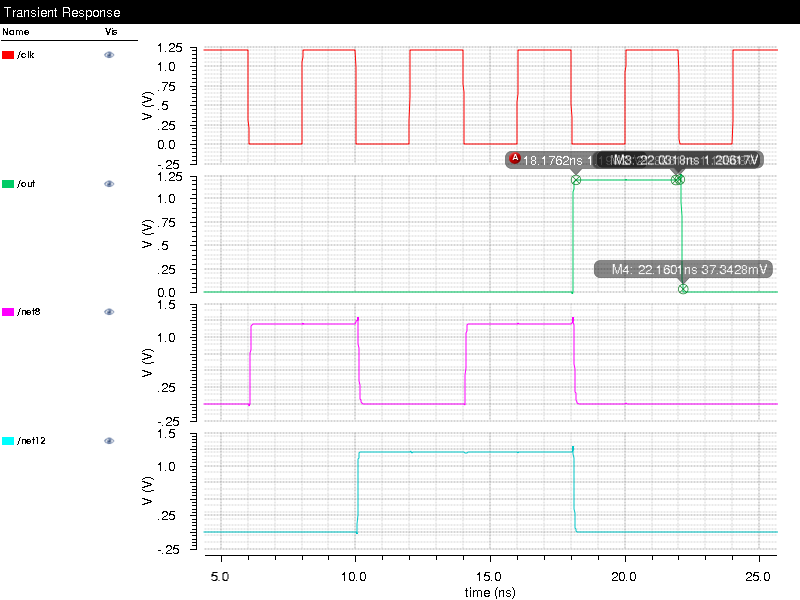
All errors checked

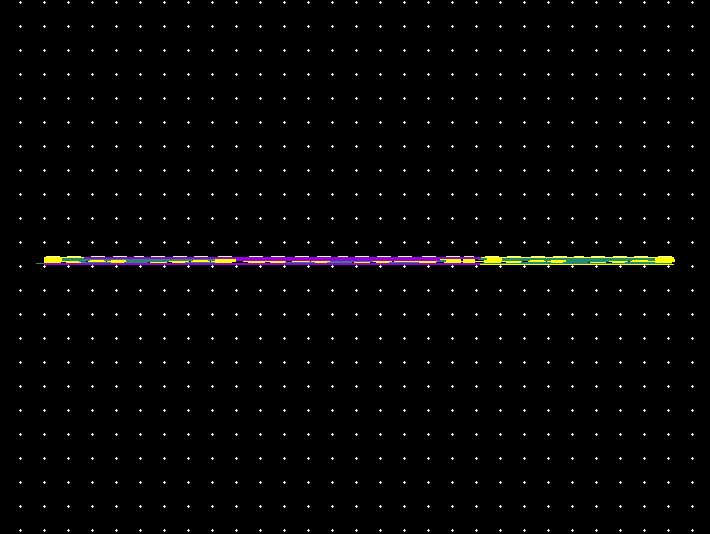
PEX errors:-

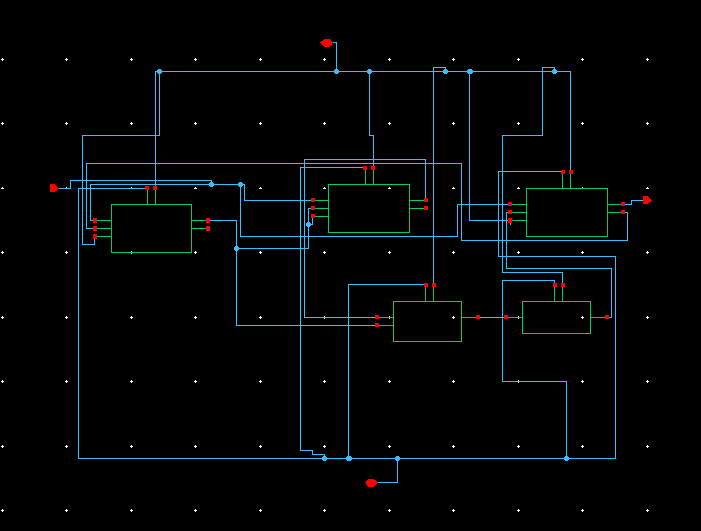
All errors checked.

 counter at 2Ghz



JKJJJK FLIPFLOP at 4GHz

LAYOUT



SChematic