
Report : timing
-path full
-delay max
-max_paths 1
Design : Switch
Version: 0-2018.06-SP4
Date : Mon Dec 20 17:26:45 2021

Operating Conditions: ff1p16v125c Library: saed32hvt_ff1p16v125c
Wire Load Model Mode: enclosed

Startpoint: ctl_u/count_reg[4]
(rising edge-triggered flip-flop clocked by ideal_clk)
Endpoint: comp_u/BestDist_reg[0]
(rising edge-triggered flip-flop clocked by ideal_clk)
Path Group: ideal_clk
Path Type: max

Des/Clust/Port	Wire Load Model	Library

Switch	8000	saed32hvt_ff1p16v125c
control	8000	saed32hvt_ff1p16v125c
Comparator	8000	saed32hvt_ff1p16v125c

Point	Incr	Path

clock ideal_clk (rise edge)	0.00	0.00
clock network delay (ideal)	0.00	0.00
ctl_u/count_reg[4]/CLK (DFFSSRX1_LVT)	0.00	0.00 r
ctl_u/count_reg[4]/QN (DFFSSRX1_LVT)	0.05	0.05 f
ctl_u/U71/Y (AND2X1_LVT)	0.03	0.07 f
ctl_u/U69/Y (AND3X1_LVT)	0.04	0.11 f
ctl_u/U67/Y (AND3X1_LVT)	0.03	0.15 f
ctl_u/U44/Y (AND2X1_LVT)	0.04	0.19 f
ctl_u/U18/Y (AND2X1_LVT)	0.04	0.23 f
ctl_u/PEready[6] (control)	0.00	0.23 f
comp_u/PEready[6] (Comparator)	0.00	0.23 f
comp_u/U23/Y (NOR3X0_LVT)	0.03	0.26 r
comp_u/U25/Y (NAND4X0_LVT)	0.02	0.28 f
comp_u/U3/Y (IN VX1_LVT)	0.02	0.30 r
comp_u/U61/Y (AO222X1_LVT)	0.05	0.36 r
comp_u/U70/Y (OR3X1_LVT)	0.03	0.38 r
comp_u/U69/Y (AO221X1_LVT)	0.04	0.42 r
comp_u/U122/Y (OR3X1_LVT)	0.03	0.45 r
comp_u/U121/Y (AO222X1_LVT)	0.04	0.50 r
comp_u/U130/Y (AO21X1_LVT)	0.03	0.53 r
comp_u/U129/Y (OA22X1_LVT)	0.03	0.55 r
comp_u/U139/Y (AND2X1_LVT)	0.02	0.57 r
comp_u/U138/Y (OAI222X1_LVT)	0.04	0.61 f
comp_u/U136/Y (OA221X1_LVT)	0.02	0.63 f
comp_u/U47/Y (AO221X1_LVT)	0.02	0.65 f
comp_u/U45/Y (OA221X1_LVT)	0.02	0.67 f
comp_u/U44/Y (AO21X1_LVT)	0.02	0.69 f
comp_u/U141/Y (AO22X1_LVT)	0.02	0.71 f
comp_u/U140/Y (NAND2X0_LVT)	0.02	0.73 r
comp_u/U38/Y (IN VX1_LVT)	0.04	0.77 f
comp_u/U58/Y (AO221X1_LVT)	0.03	0.80 f
comp_u/BestDist_reg[0]/D (DFFX1_HVT)	0.00	0.80 f
data arrival time		0.80
clock ideal_clk (rise edge)	3.85	3.85
clock network delay (ideal)	0.00	3.85
comp_u/BestDist_reg[0]/CLK (DFFX1_HVT)	0.00	3.85 r
library setup time	-0.02	3.82
data required time		3.82

data required time		3.82
data arrival time		-0.80

slack (MET)		3.02