Design Simulation Results

TIMING

Arc: IO-ZI

Dependancy: HYST

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	1.66	0.2	0.391472	0.840616
RiseDelay	1	1.66	0.2	0.673969	1.16716
FallDelay	0	1.66	0.2	0.445276	0.906743
FallDelay	1	1.66	0.2	0.692279	1.23551
RiseTransition	0	1.66	0.2	0.0132214	0.149939
RiseTransition	1	1.66	0.2	0.0132925	0.149991
FallTransition	0	1.66	0.2	0.02294	0.141496
FallTransition	1	1.66	0.2	0.0229494	0.141477

TIMING

Arc: A-IO

Dependancy: LOWEMI

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	0.1	15	1.23404	3.1101
RiseDelay	1	0.1	15	1.44991	3.6762
FallDelay	0	0.1	15	1.24321	2.97719
FallDelay	1	0.1	15	1.48804	3.64623
RiseTransition	0	0.1	15	0.578776	1.41962
RiseTransition	1	0.1	15	0.619595	1.54411
FallTransition	0	0.1	15	0.689586	1.59051
FallTransition	1	0.1	15	0.730633	1.71696

LEAKAGE

Rail: vdde1v8

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)

Leakage	0010X	0.0008889	10.83
Leakage	00110	0.0008889	10.83
Leakage	00111	0.0008889	10.92
Leakage	01100	0.0008721	125.3
Leakage	01101	0.0008889	125.3
Leakage	0111X	0.0008889	125.3
Leakage	101XX	0.006261	132.5
Leakage	110XX	0.0008889	421.7
Leakage	11100	0.0008889	10.61
Leakage	11101	0.0008889	10.83
Leakage	1111X	0.0008889	10.83

LEAKAGE			
Rail: vdd			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)
Leakage	0010X	0.0001766	6.188
Leakage	00110	0.0001766	6.188
Leakage	00111	0.0001766	6.233
Leakage	011XX	0.0001759	6.188
Leakage	101XX	0.0001766	6.195
Leakage	110XX	0.0001769	6.188
Leakage	111XX	0.0001766	6.188

CELL: BD4SCARUDQPCH_EXT_CSF_1V8_FC_OUTER

TIMING

Arc: A-IO

Dependancy: LOWEMI

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	0.1	15	0.884751	2.31323
RiseDelay	1	0.1	15	1.04923	2.68992
FallDelay	0	0.1	15	0.883061	2.24234
FallDelay	1	0.1	15	1.04885	2.68551
RiseTransition	0	0.1	15	0.328266	0.82599
RiseTransition	1	0.1	15	0.362575	0.916077
FallTransition	0	0.1	15	0.374755	0.882764
FallTransition	1	0.1	15	0.412072	0.990433

TIMING

Arc: IO-ZI

Dependancy: HYST

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	1.66	0.2	0.391598	0.83997
RiseDelay	1	1.66	0.2	0.668028	1.15885
FallDelay	0	1.66	0.2	0.444501	0.907112
FallDelay	1	1.66	0.2	0.708533	1.23227
RiseTransition	0	1.66	0.2	0.0132036	0.149765
RiseTransition	1	1.66	0.2	0.0131842	0.150026
FallTransition	0	1.66	0.2	0.0227831	0.141308
FallTransition	1	1.66	0.2	0.0228014	0.141198

LEAKAGE

Rail: vdde1v8

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)

Leakage	001XX	0.0009216	14.42
Leakage	011XX	0.0009216	125.3
Leakage	101XX	0.006299	132.5
Leakage	110XX	0.0009216	421.7
Leakage	111XX	0.0009216	14.42

LEAKAGE			
Rail: vdd			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)
Leakage	001XX	0.0001771	6.186
Leakage	01100	0.0001764	6.295
Leakage	01101	0.0001764	6.186
Leakage	0111X	0.0001764	6.186
Leakage	101XX	0.0001771	6.194
Leakage	110XX	0.0001774	6.186
Leakage	111XX	0.0001771	6.186

CELL: BD6SCARUDQPCH_EXT_CSF_1V8_FC_OUTER

TIMING

Arc: A-IO

Dependancy: LOWEMI

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	0.1	15	0.771522	2.05244
RiseDelay	1	0.1	15	0.965802	2.53642
FallDelay	0	0.1	15	0.8099	2.09649
FallDelay	1	0.1	15	0.99213	2.58243
RiseTransition	0	0.1	15	0.265569	0.671988
RiseTransition	1	0.1	15	0.311522	0.802147
FallTransition	0	0.1	15	0.293279	0.706875
FallTransition	1	0.1	15	0.338155	0.835187

TIMING

Arc: IO-ZI

Dependancy: HYST

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	1.66	0.2	0.392577	0.840712
RiseDelay	1	1.66	0.2	0.667381	1.16516
FallDelay	0	1.66	0.2	0.445867	0.911491
FallDelay	1	1.66	0.2	0.704486	1.2383
RiseTransition	0	1.66	0.2	0.0129898	0.149745
RiseTransition	1	1.66	0.2	0.0133272	0.149885
FallTransition	0	1.66	0.2	0.0229158	0.140978
FallTransition	1	1.66	0.2	0.0229074	0.141121

LEAKAGE

Rail: vdde1v8

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)

Leakage	001XX	0.0009399	16.75
Leakage	011XX	0.0009399	125.3
Leakage	101XX	0.006298	132.5
Leakage	110XX	0.0009399	421.7
Leakage	111XX	0.0009399	16.75

LEAKAGE			
Rail: vdd			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)
Leakage	001XX	0.0001771	6.182
Leakage	011XX	0.0001764	6.182
Leakage	101XX	0.0001771	6.189
Leakage	1100X	0.0001774	6.182
Leakage	11010	0.0001774	6.182
Leakage	11011	0.0001774	6.206
Leakage	111XX	0.0001771	6.182

CELL: BD8SCARUDQPCH_EXT_CSF_1V8_FC_OUTER

TIMING

Arc: IO-ZI

Dependancy: HYST

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	1.66	0.2	0.392472	0.839841
RiseDelay	1	1.66	0.2	0.67784	1.16936
FallDelay	0	1.66	0.2	0.440575	0.907795
FallDelay	1	1.66	0.2	0.706037	1.23886
RiseTransition	0	1.66	0.2	0.0133308	0.149828
RiseTransition	1	1.66	0.2	0.0129179	0.150119
FallTransition	0	1.66	0.2	0.0229003	0.140534
FallTransition	1	1.66	0.2	0.0227993	0.140933

TIMING

Arc: A-IO

Dependancy: LOWEMI

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	0.1	15	0.706726	1.89535
RiseDelay	1	0.1	15	0.909125	2.42014
FallDelay	0	0.1	15	0.735959	1.91758
FallDelay	1	0.1	15	0.894547	2.33842
RiseTransition	0	0.1	15	0.222259	0.566798
RiseTransition	1	0.1	15	0.272822	0.709528
FallTransition	0	0.1	15	0.239482	0.577975
FallTransition	1	0.1	15	0.278506	0.692028

LEAKAGE

Rail: vdde1v8

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)

Leakage	001XX	0.0009485	19.93
Leakage	011XX	0.0009485	125.3
Leakage	101XX	0.006314	132.5
Leakage	110XX	0.0009485	421.7
Leakage	111X0	0.0009485	19.67
Leakage	111X1	0.0009485	19.93

LEAKAGE			
Rail: vdd			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)
Leakage	0010X	0.0001766	6.188
Leakage	00110	0.0001766	6.188
Leakage	00111	0.0001766	6.225
Leakage	011XX	0.000176	6.188
Leakage	101XX	0.0001766	6.196
Leakage	1100X	0.000177	6.188
Leakage	11010	0.000177	6.188
Leakage	11011	0.000177	6.225
Leakage	111XX	0.0001766	6.188