Design Simulation Results

CELL: BD2SCARUDQPCH_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	0.391472	0.840616
RiseDelay	1	1.66	0.2	0.675045	1.16529
FallDelay	0	1.66	0.2	0.445299	0.906743
FallDelay	1	1.66	0.2	0.69089	1.23553
RiseTransition	0	1.66	0.2	0.0132214	0.149939
RiseTransition	1	1.66	0.2	0.0132003	0.149985
FallTransition	0	1.66	0.2	0.02294	0.141496
FallTransition	1	1.66	0.2	0.0226354	0.141456

TIMING

Arc: A-IO

Dependancy: LOWEMI

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	0.1	15	2.46118	3.5397
RiseDelay	1	0.1	15	2.80142	4.03311
FallDelay	0	0.1	15	2.49027	3.55527
FallDelay	1	0.1	15	2.93479	4.16372
RiseTransition	0	0.1	15	1.30184	1.89461
RiseTransition	1	0.1	15	1.37012	2.04238
FallTransition	0	0.1	15	1.50357	2.38839
FallTransition	1	0.1	15	1.5616	2.48402

LEAKAGE

Rail: vdde1v8

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)

Leakage	0010X	0.000865	10.98
Leakage	00110	0.000865	10.98
Leakage	00111	0.000865	11.07
Leakage	01100	0.0008486	125.3
Leakage	01101	0.000865	125.3
Leakage	0111X	0.000865	125.3
Leakage	101XX	0.006234	132.5
Leakage	110XX	0.000865	421.7
Leakage	11100	0.000865	10.83
Leakage	11101	0.000865	10.98
Leakage	1111X	0.000865	10.98

LEAKAGE

Rail: vdd

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)
Leakage	0010X	0.0001766	6.187
Leakage	00110	0.0001766	6.187
Leakage	00111	0.0001766	6.213
Leakage	01100	0.0001759	6.331
Leakage	01101	0.0001759	6.187
Leakage	0111X	0.0001759	6.187
Leakage	10100	0.0001766	6.103
Leakage	10101	0.0001766	6.164
Leakage	1011X	0.0001766	6.164
Leakage	110XX	0.0001769	6.187
Leakage	111XX	0.0001766	6.187

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	1.66931	2.35616
RiseDelay	1	0.1	15	1.83248	2.7007
FallDelay	0	0.1	15	1.68642	2.34517
FallDelay	1	0.1	15	1.98218	2.68936
RiseTransition	0	0.1	15	0.711554	1.06981
RiseTransition	1	0.1	15	0.738131	1.10418
FallTransition	0	0.1	15	0.796286	1.27499
FallTransition	1	0.1	15	0.851998	1.35395

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	0.67094	1.15848
FallDelay	0	1.66	0.2	0.443626	0.907112
FallDelay	1	1.66	0.2	0.691984	1.23632
RiseTransition	0	1.66	0.2	0.0132231	0.149765
RiseTransition	1	1.66	0.2	0.01333	0.149996
FallTransition	0	1.66	0.2	0.0229094	0.141308
FallTransition	1	1.66	0.2	0.02291	0.141197

LEAKAGE			
Rail: vdde1v8			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)

Leakage	001XX	0.0008979	14.56
Leakage	01100	0.0008878	125.3
Leakage	01101	0.0008979	125.3
Leakage	0111X	0.0008979	125.3
Leakage	101XX	0.006273	132.5
Leakage	110XX	0.0008979	421.7
Leakage	111XX	0.0008979	14.56

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	6.246
Leakage	01101	0.0001764	6.186
Leakage	0111X	0.0001764	6.186
Leakage	10100	0.0001771	6.105
Leakage	10101	0.0001771	6.182
Leakage	1011X	0.0001771	6.182
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	1.34042	2.07243
RiseDelay	1	0.1	15	1.57351	2.55471
FallDelay	0	0.1	15	1.48373	2.10175
FallDelay	1	0.1	15	1.75418	2.57648
RiseTransition	0	0.1	15	0.544533	0.791366
RiseTransition	1	0.1	15	0.605924	0.887385
FallTransition	0	0.1	15	0.602095	0.93212
FallTransition	1	0.1	15	0.670619	1.02568

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	0.670617	1.16516
FallDelay	0	1.66	0.2	0.445867	0.911491
FallDelay	1	1.66	0.2	0.712752	1.23558
RiseTransition	0	1.66	0.2	0.0133494	0.149745
RiseTransition	1	1.66	0.2	0.0132236	0.149885
FallTransition	0	1.66	0.2	0.0229158	0.140978
FallTransition	1	1.66	0.2	0.0229952	0.141121

LEAKAGE			
Rail: vdde1v8			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)

Leakage	001XX	0.0009162	16.89
Leakage	01100	0.000903	125.3
Leakage	01101	0.0009162	125.3
Leakage	0111X	0.0009162	125.3
Leakage	101XX	0.006271	132.5
Leakage	110XX	0.0009162	421.7
Leakage	111XX	0.0009162	16.89

LEAKAGE			
Rail: vdd			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)
Leakage	001XX	0.0001771	6.186
Leakage	011XX	0.0001764	6.186
Leakage	101X0	0.0001771	6.101
Leakage	101X1	0.0001771	6.19
Leakage	1100X	0.0001774	6.186
Leakage	11010	0.0001774	6.186
Leakage	11011	0.0001774	6.237
Leakage	111XX	0.0001771	6.186

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	0.672004	1.16938
FallDelay	0	1.66	0.2	0.440575	0.907795
FallDelay	1	1.66	0.2	0.708023	1.23887
RiseTransition	0	1.66	0.2	0.0132386	0.149828
RiseTransition	1	1.66	0.2	0.0129509	0.150114
FallTransition	0	1.66	0.2	0.0229197	0.140534
FallTransition	1	1.66	0.2	0.0224166	0.140933

TIMING

Arc: A-IO

Dependancy: LOWEMI

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	0.1	15	1.1968	1.89535
RiseDelay	1	0.1	15	1.53011	2.42014
FallDelay	0	0.1	15	1.19029	1.91758
FallDelay	1	0.1	15	1.43111	2.33842
RiseTransition	0	0.1	15	0.438365	0.665358
RiseTransition	1	0.1	15	0.519437	0.823988
FallTransition	0	0.1	15	0.482307	0.772373
FallTransition	1	0.1	15	0.552671	0.890768

LEAKAGE

Rail: vdde1v8

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)

Leakage	001XX	0.0009253	20.09
Leakage	011XX	0.0009253	125.3
Leakage	101XX	0.006287	132.5
Leakage	110XX	0.0009253	421.7
Leakage	111XX	0.0009253	20.09

LEAKAGE			
Rail: vdd			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)
Leakage	001XX	0.0001766	6.187
Leakage	011XX	0.000176	6.187
Leakage	101X0	0.0001766	6.104
Leakage	101X1	0.0001766	6.193
Leakage	1100X	0.000177	6.187
Leakage	11010	0.000177	6.187
Leakage	11011	0.000177	6.24
Leakage	111XX	0.0001766	6.187