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	0.447264	7.21779
RiseDelay	1	1.66	0.2	0.762229	8.03791
FallDelay	0	1.66	0.2	0.534676	7.93263
FallDelay	1	1.66	0.2	0.828589	9.36177
RiseTransition	0	1.66	0.2	0.0133307	0.149889
RiseTransition	1	1.66	0.2	0.0128825	0.149967
FallTransition	0	1.66	0.2	0.0224635	0.142756
FallTransition	1	1.66	0.2	0.0230111	0.14395

TIMING

Arc: A-IO

Dependancy: LOWEMI

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	0.1	15	1.43091	4.13899
RiseDelay	1	0.1	15	1.68164	4.92613
FallDelay	0	0.1	15	1.36632	3.63763
FallDelay	1	0.1	15	1.67271	4.66117
RiseTransition	0	0.1	15	0.666604	1.87787
RiseTransition	1	0.1	15	0.713407	2.04565
FallTransition	0	0.1	15	0.740164	1.93952
FallTransition	1	0.1	15	0.792833	2.12225

LEAKAGE

Rail: vdde1v8

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)

Leakage	0010X	0.0002652	3.873
Leakage	00110	0.0002652	3.873
Leakage	00111	0.0002652	3.922
Leakage	0110X	0.0002573	71.19
Leakage	01110	0.0002573	71.19
Leakage	01111	0.0002652	71.19
Leakage	10100	0.0007192	77.6
Leakage	10101	0.00073	77.6
Leakage	1011X	0.00073	77.6
Leakage	110XX	0.0002652	246.7
Leakage	11100	0.0002573	3.835
Leakage	11101	0.0002652	3.873
Leakage	1111X	0.0002652	3.873

LEAKAGE			
Rail: vdd			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)
Leakage	00100	0.0001756	6.182
Leakage	00101	0.0001766	6.182
Leakage	00110	0.0001766	6.182
Leakage	00111	0.0001766	6.303
Leakage	011XX	0.0001759	6.182
Leakage	10100	0.0001756	6.104
Leakage	10101	0.0001766	6.104
Leakage	1011X	0.0001766	6.104
Leakage	1100X	0.0001769	6.182
Leakage	11010	0.0001769	6.182
Leakage	11011	0.0001769	6.237
Leakage	11101	0.0001767	6.182
Leakage	11111	0.0001766	6.182
Leakage	111X0	0.0001756	6.182

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	1.02522	2.997
RiseDelay	1	0.1	15	1.21386	3.53714
FallDelay	0	0.1	15	0.986742	2.76364
FallDelay	1	0.1	15	1.19542	3.40437
RiseTransition	0	0.1	15	0.379531	1.09472
RiseTransition	1	0.1	15	0.418482	1.21203
FallTransition	0	0.1	15	0.407378	1.098
FallTransition	1	0.1	15	0.454266	1.25167

TIMING

Arc: IO-ZI

Dependancy: HYST

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	1.66	0.2	0.447868	7.13672
RiseDelay	1	1.66	0.2	0.759173	8.02996
FallDelay	0	1.66	0.2	0.535446	7.87317
FallDelay	1	1.66	0.2	0.825915	9.32356
RiseTransition	0	1.66	0.2	0.0132034	0.149826
RiseTransition	1	1.66	0.2	0.01326	0.14993
FallTransition	0	1.66	0.2	0.0229455	0.141224
FallTransition	1	1.66	0.2	0.0224286	0.140521

LEAKAGE

Rail: vdde1v8

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)

Leakage	0010X	0.0002831	4.944
Leakage	00110	0.0002831	4.944
Leakage	00111	0.0002849	4.944
Leakage	01100	0.0002751	71.19
Leakage	01110	0.0002773	71.19
Leakage	011X1	0.0002831	71.19
Leakage	10100	0.0007364	77.6
Leakage	10101	0.0007485	77.6
Leakage	1011X	0.0007485	77.6
Leakage	1100X	0.0002831	246.7
Leakage	11010	0.0002831	246.7
Leakage	11011	0.0002849	246.7
Leakage	11100	0.0002773	4.944
Leakage	11101	0.0002831	4.944
Leakage	1111X	0.0002831	4.944

LEAKAGE			
Rail: vdd			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)
Leakage	00100	0.0001762	6.183
Leakage	00101	0.000177	6.183
Leakage	00110	0.000177	6.183
Leakage	00111	0.000177	6.234
Leakage	011XX	0.0001764	6.183
Leakage	10100	0.0001762	6.106
Leakage	10101	0.000177	6.106
Leakage	1011X	0.000177	6.106
Leakage	1100X	0.0001774	6.183
Leakage	11010	0.0001774	6.183
Leakage	11011	0.0001774	6.234
Leakage	11101	0.0001772	6.183

Leakage	11111	0.000177	6.183
Leakage	111X0	0.0001762	6.183

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	0.892854	2.63704
RiseDelay	1	0.1	15	1.12266	3.33916
FallDelay	0	0.1	15	0.913371	2.60726
FallDelay	1	0.1	15	1.14565	3.31932
RiseTransition	0	0.1	15	0.307579	0.896901
RiseTransition	1	0.1	15	0.359861	1.07097
FallTransition	0	0.1	15	0.323393	0.887359
FallTransition	1	0.1	15	0.3799	1.06593

TIMING					
Arc: IO-ZI					
Dependancy: HYST					
Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	1.66	0.2	0.448772	7.21228
RiseDelay	1	1.66	0.2	0.758065	7.92928
FallDelay	0	1.66	0.2	0.537755	8.27306
FallDelay	1	1.66	0.2	0.833044	9.45813
RiseTransition	0	1.66	0.2	0.0132714	0.149806
RiseTransition	1	1.66	0.2	0.0129789	0.146255
FallTransition	0	1.66	0.2	0.02293	0.141279
FallTransition	1	1.66	0.2	0.022886	0.141311

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

Leakage	0010X	0.0002922	5.64
Leakage	00110	0.0002922	5.64
Leakage	00111	0.0003005	5.64
Leakage	01100	0.0002846	71.19
Leakage	01101	0.0002857	71.19
Leakage	0111X	0.0002922	71.19
Leakage	101XX	0.000743	77.6
Leakage	1100X	0.0002922	246.7
Leakage	11010	0.0002922	246.7
Leakage	11011	0.0003005	246.7
Leakage	111XX	0.0002922	5.64

LEAKAGE

Rail: vdd

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)
Leakage	0010X	0.0001771	6.181
Leakage	00110	0.0001771	6.181
Leakage	00111	0.0001771	6.208
Leakage	011XX	0.0001764	6.181
Leakage	101XX	0.0001771	6.1
Leakage	1100X	0.0001774	6.181
Leakage	11010	0.0001774	6.181
Leakage	11011	0.0001774	6.208
Leakage	111X0	0.0001759	6.181
Leakage	111X1	0.0001771	6.181

TIMING

Arc: IO-ZI

Dependancy: HYST

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	1.66	0.2	0.447215	7.14164
RiseDelay	1	1.66	0.2	0.759298	7.93883
FallDelay	0	1.66	0.2	0.536066	8.01118
FallDelay	1	1.66	0.2	0.82557	9.3469
RiseTransition	0	1.66	0.2	0.0132789	0.149889
RiseTransition	1	1.66	0.2	0.01299	0.150011
FallTransition	0	1.66	0.2	0.0229306	0.140664
FallTransition	1	1.66	0.2	0.0230707	0.140639

TIMING

Arc: A-IO

Dependancy: LOWEMI

Delay/Transition	Mode	Slope(nS)	Load(pF)	Min(nS)	Max(nS)
RiseDelay	0	0.1	15	0.818095	2.41985
RiseDelay	1	0.1	15	1.06316	3.16957
FallDelay	0	0.1	15	0.828862	2.37239
FallDelay	1	0.1	15	1.02849	2.99117
RiseTransition	0	0.1	15	0.258856	0.757567
RiseTransition	1	0.1	15	0.317556	0.948951
FallTransition	0	0.1	15	0.266236	0.731051
FallTransition	1	0.1	15	0.314719	0.900292

LEAKAGE

Rail: vdde1v8

Dependancy: PUN PDN PUN15K LOWEMI HYST

Leakpower	Mode	Min(uW)	Max(uW)

Leakage	0010X	0.0002945	6.574
Leakage	00110	0.0002945	6.574
Leakage	00111	0.0003026	6.574
Leakage	01100	0.0002868	71.19
Leakage	01101	0.0002945	71.19
Leakage	0111X	0.0002945	71.19
Leakage	10100	0.0007347	77.6
Leakage	10101	0.0007464	77.6
Leakage	1011X	0.0007464	77.6
Leakage	1100X	0.0002945	246.7
Leakage	11010	0.0002945	246.7
Leakage	11011	0.0003026	246.7
Leakage	111XX	0.0002945	6.574

LEAKAGE			
Rail: vdd			
Dependancy: PUN PDN PUN15K LOWEMI HYST			
Leakpower	Mode	Min(uW)	Max(uW)
Leakage	00100	0.0001756	6.18
Leakage	00101	0.0001766	6.18
Leakage	0011X	0.0001766	6.18
Leakage	011XX	0.0001759	6.18
Leakage	10100	0.0001756	6.104
Leakage	10101	0.0001766	6.104
Leakage	1011X	0.0001766	6.104
Leakage	1100X	0.000177	6.18
Leakage	11010	0.000177	6.18
Leakage	11011	0.000177	6.239
Leakage	11101	0.0001768	6.18
Leakage	11111	0.0001766	6.18
Leakage	111X0	0.0001756	6.18