

## sg13g2\_io\_typ\_1p2V\_3p3V\_25C Library

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Cell Groups
INOUTx
INPUT
SG13G2_IOPADIOVDD
SG13G2_IOPADIOVSS
SG13G2_IOPADVDD
SG13G2_IOPADVSS
TRI_OUTx

# INOUTx



*sg13g2\_io\_typ\_1p2V\_3p3V\_25C Cell Library: Process  
sg13g2\_io\_typ\_1p2V\_3p3V\_25C, Voltage 1.20, Temp 25.00*

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## Truth Table

INPUT			OUTPUT	
c2p	c2p_en	pad	pad	p2c
-	0	0	-	0
-	0	1	-	1
0	1	-	0	0
1	1	-	1	1

## Footprint

Cell Name	Area
sg13g2_IOPadInOut16mA	14400.00000
sg13g2_IOPadInOut30mA	14400.00000
sg13g2_IOPadInOut4mA	14400.00000
sg13g2_IOPadOut16mA	14400.00000
sg13g2_IOPadOut30mA	14400.00000
sg13g2_IOPadOut4mA	14400.00000

## Pin Capacitance Information

Cell Name	Pin Cap(pf)			Max Cap(pf)	
	c2p	c2p_en	pad	p2c	pad
sg13g2_IOPadInOut16mA	0.02758	0.02528	0.26512	0.81506	4.19976
sg13g2_IOPadInOut30mA	0.02758	0.02528	0.35424	0.80964	4.83452
sg13g2_IOPadInOut4mA	0.02758	0.02528	0.18858	0.81236	1.07593
sg13g2_IOPadOut16mA	0.03922	0.00000	0.00000	0.00000	4.21305
sg13g2_IOPadOut30mA	0.03922	0.00000	0.00000	0.00000	4.53171
sg13g2_IOPadOut4mA	0.03922	0.00000	0.00000	0.00000	1.11146

## Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadInOut16mA	4.74047	2150.39000	2150.39000
sg13g2_IOPadInOut30mA	0.00000	2295.58000	2295.58000
sg13g2_IOPadInOut4mA	0.00000	1978.73000	2042.79000
sg13g2_IOPadOut16mA	201.68200	830.82300	830.82300
sg13g2_IOPadOut30mA	406.78200	1139.43000	1139.43000
sg13g2_IOPadOut4mA	118.79500	656.02900	656.02900

## Delay Information

Delay(ns) to p2c rising :

Cell Name	Timing Arc(Dir)	Delay(ns)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadInOut16mA	pad->p2c (RR)	0.12000	0.02400	<b>0.08322</b>	0.60000	0.14400	<b>0.16898</b>	3.50000	0.24000	<b>0.23430</b>
sg13g2_IOPadInOut30mA	pad->p2c (RR)	0.12000	0.02400	<b>0.08313</b>	0.60000	0.14400	<b>0.16892</b>	3.50000	0.24000	<b>0.23432</b>
sg13g2_IOPadInOut4mA	pad->p2c (RR)	0.12000	0.02400	<b>0.08314</b>	0.60000	0.14400	<b>0.16892</b>	3.50000	0.24000	<b>0.23420</b>

Delay(ns) to p2c falling :

Cell Name	Timing Arc(Dir)	Delay(ns)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadInOut16mA	pad->p2c (FF)	0.12000	0.02400	<b>0.45001</b>	0.60000	0.14400	<b>0.77868</b>	3.50000	0.24000	<b>2.40259</b>
sg13g2_IOPadInOut30mA	pad->p2c (FF)	0.12000	0.02400	<b>0.45115</b>	0.60000	0.14400	<b>0.76748</b>	3.50000	0.24000	<b>2.40238</b>
sg13g2_IOPadInOut4mA	pad->p2c (FF)	0.12000	0.02400	<b>0.45109</b>	0.60000	0.14400	<b>0.76743</b>	3.50000	0.24000	<b>2.40075</b>

Delay(ns) to pad rising :

Cell Name	Timing Arc(Dir)	Delay(ns)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadInOut16mA	c2p->pad (RR)	0.02000	1.00000	<b>1.53598</b>	0.33000	4.00000	<b>2.00851</b>	2.50000	10.00000	<b>2.78680</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>1.12630</b>	0.33000	4.00000	<b>1.19692</b>	2.50000	10.00000	<b>1.37853</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.53119</b>	0.33000	4.00000	<b>2.02427</b>	2.50000	10.00000	<b>2.83587</b>
sg13g2_IOPadInOut30mA	c2p->pad (RR)	0.02000	1.00000	<b>1.74247</b>	0.33000	4.00000	<b>2.15720</b>	2.50000	10.00000	<b>2.72911</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>1.31961</b>	0.33000	4.00000	<b>1.38713</b>	2.50000	10.00000	<b>1.57073</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.71898</b>	0.33000	4.00000	<b>2.16110</b>	2.50000	10.00000	<b>2.75581</b>
sg13g2_IOPadInOut4mA	c2p->pad (RR)	0.02000	1.00000	<b>1.54948</b>	0.33000	4.00000	<b>2.90912</b>	2.50000	10.00000	<b>5.60624</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>0.93245</b>	0.33000	4.00000	<b>1.00254</b>	2.50000	10.00000	<b>1.18617</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.55588</b>	0.33000	4.00000	<b>2.96596</b>	2.50000	10.00000	<b>5.76737</b>
sg13g2_IOPadOut16mA	c2p->pad (RR)	0.02000	1.00000	<b>1.48219</b>	0.33000	9.00000	<b>2.59688</b>	2.50000	15.00000	<b>4.30039</b>
sg13g2_IOPadOut30mA	c2p->pad (RR)	0.02000	2.00000	<b>1.83605</b>	0.33000	18.00000	<b>3.16989</b>	2.50000	30.00000	<b>4.93804</b>
sg13g2_IOPadOut4mA	c2p->pad (RR)	0.02000	1.00000	<b>1.48454</b>	0.33000	4.00000	<b>2.91962</b>	2.50000	10.00000	<b>6.56310</b>

**Delay(ns) to pad falling :**

Cell Name	Timing Arc(Dir)	Delay(ns)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadInOut16mA	c2p->pad (FF)	0.02000	1.00000	<b>1.36944</b>	0.33000	4.00000	<b>1.78554</b>	2.50000	10.00000	<b>2.68540</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>1.33973</b>	0.33000	4.00000	<b>1.42577</b>	2.50000	10.00000	<b>1.67305</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>1.21273</b>	0.33000	4.00000	<b>1.66304</b>	2.50000	10.00000	<b>2.44213</b>
sg13g2_IOPadInOut30mA	c2p->pad (FF)	0.02000	1.00000	<b>1.64263</b>	0.33000	4.00000	<b>1.95158</b>	2.50000	10.00000	<b>2.61070</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>1.91034</b>	0.33000	4.00000	<b>1.98278</b>	2.50000	10.00000	<b>2.24674</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>1.26481</b>	0.33000	4.00000	<b>1.61729</b>	2.50000	10.00000	<b>2.12639</b>
sg13g2_IOPadInOut4mA	c2p->pad (FF)	0.02000	1.00000	<b>1.43677</b>	0.33000	4.00000	<b>2.79226</b>	2.50000	10.00000	<b>5.64667</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>0.85806</b>	0.33000	4.00000	<b>0.93980</b>	2.50000	10.00000	<b>1.19977</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>1.45910</b>	0.33000	4.00000	<b>2.91305</b>	2.50000	10.00000	<b>5.78643</b>
sg13g2_IOPadOut16mA	c2p->pad (FF)	0.02000	1.00000	<b>1.29542</b>	0.33000	9.00000	<b>2.18460</b>	2.50000	15.00000	<b>2.92889</b>
sg13g2_IOPadOut30mA	c2p->pad (FF)	0.02000	2.00000	<b>1.66000</b>	0.33000	18.00000	<b>2.66629</b>	2.50000	30.00000	<b>3.42772</b>
sg13g2_IOPadOut4mA	c2p->pad (FF)	0.02000	1.00000	<b>1.33709</b>	0.33000	4.00000	<b>2.65501</b>	2.50000	10.00000	<b>5.34014</b>

## Power Information

Internal switching power(pJ) to p2c rising :

Cell Name	Input	Power(pJ)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadInOut16mA	pad	0.12000	0.02400	<b>-0.62321</b>	0.60000	0.14400	<b>-0.62459</b>	3.50000	0.24000	<b>-0.62197</b>
	pad	0.12000	0.02400	<b>0.00010</b>	0.60000	0.14400	<b>-0.00085</b>	3.50000	0.24000	<b>-0.00306</b>
sg13g2_IOPadInOut30mA	pad	0.12000	0.02400	<b>-1.18540</b>	0.60000	0.14400	<b>-1.18875</b>	3.50000	0.24000	<b>-1.18313</b>
	pad	0.12000	0.02400	<b>0.00023</b>	0.60000	0.14400	<b>-0.00104</b>	3.50000	0.24000	<b>-0.00308</b>
sg13g2_IOPadInOut4mA	pad	0.12000	0.02400	<b>-0.15584</b>	0.60000	0.14400	<b>-0.15627</b>	3.50000	0.24000	<b>-0.15534</b>
	pad	0.12000	0.02400	<b>0.00012</b>	0.60000	0.14400	<b>-0.00086</b>	3.50000	0.24000	<b>-0.00370</b>

Internal switching power(pJ) to p2c falling :

Cell Name	Input	Power(pJ)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadInOut16mA	pad	0.12000	0.02400	<b>0.62348</b>	0.60000	0.14400	<b>0.62459</b>	3.50000	0.24000	<b>0.62197</b>
	pad	0.12000	0.02400	<b>0.05336</b>	0.60000	0.14400	<b>0.05137</b>	3.50000	0.24000	<b>0.05066</b>
sg13g2_IOPadInOut30mA	pad	0.12000	0.02400	<b>1.19073</b>	0.60000	0.14400	<b>1.18875</b>	3.50000	0.24000	<b>1.18313</b>
	pad	0.12000	0.02400	<b>0.05543</b>	0.60000	0.14400	<b>0.05295</b>	3.50000	0.24000	<b>0.05251</b>
sg13g2_IOPadInOut4mA	pad	0.12000	0.02400	<b>0.15647</b>	0.60000	0.14400	<b>0.15627</b>	3.50000	0.24000	<b>0.15534</b>
	pad	0.12000	0.02400	<b>0.05543</b>	0.60000	0.14400	<b>0.05294</b>	3.50000	0.24000	<b>0.05242</b>

Internal switching power(pJ) to pad rising :

Cell Name	Input	Power(pJ)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadInOut16mA	c2p	0.02000	1.00000	<b>6.38413</b>	0.33000	4.00000	<b>6.30303</b>	2.50000	10.00000	<b>5.99105</b>
	c2p	0.02000	1.00000	<b>1.46845</b>	0.33000	4.00000	<b>5.74498</b>	2.50000	10.00000	<b>10.34040</b>
	c2p_en	0.02000	1.00000	<b>6.18034</b>	0.33000	4.00000	<b>7.02428</b>	2.50000	10.00000	<b>8.54261</b>
	c2p_en	0.02000	1.00000	<b>1.43686</b>	0.33000	4.00000	<b>5.71923</b>	2.50000	10.00000	<b>10.21370</b>
sg13g2_IOPadInOut30mA	c2p	0.02000	1.00000	<b>10.21910</b>	0.33000	4.00000	<b>9.85601</b>	2.50000	10.00000	<b>9.50502</b>
	c2p	0.02000	1.00000	<b>1.46519</b>	0.33000	4.00000	<b>5.72088</b>	2.50000	10.00000	<b>4.82154</b>
	c2p_en	0.02000	1.00000	<b>9.31797</b>	0.33000	4.00000	<b>10.17010</b>	2.50000	10.00000	<b>11.91200</b>
	c2p_en	0.02000	1.00000	<b>1.43800</b>	0.33000	4.00000	<b>5.70582</b>	2.50000	10.00000	<b>4.53740</b>
sg13g2_IOPadInOut4mA	c2p	0.02000	1.00000	<b>3.52410</b>	0.33000	4.00000	<b>3.40243</b>	2.50000	10.00000	<b>3.19740</b>
	c2p	0.02000	1.00000	<b>1.47173</b>	0.33000	4.00000	<b>5.75484</b>	2.50000	10.00000	<b>14.38480</b>
	c2p_en	0.02000	1.00000	<b>3.40015</b>	0.33000	4.00000	<b>3.96492</b>	2.50000	10.00000	<b>4.94244</b>
	c2p_en	0.02000	1.00000	<b>1.44709</b>	0.33000	4.00000	<b>5.73834</b>	2.50000	10.00000	<b>14.37280</b>
sg13g2_IOPadOut16mA	c2p	0.02000	1.00000	<b>6.17145</b>	0.33000	9.00000	<b>5.95191</b>	2.50000	15.00000	<b>5.99069</b>
	c2p	0.02000	1.00000	<b>-0.01010</b>	0.33000	9.00000	<b>-0.00731</b>	2.50000	15.00000	<b>0.05670</b>
sg13g2_IOPadOut30mA	c2p	0.02000	2.00000	<b>9.96903</b>	0.33000	18.00000	<b>9.44028</b>	2.50000	30.00000	<b>9.33438</b>
	c2p	0.02000	2.00000	<b>-0.01010</b>	0.33000	18.00000	<b>-0.00723</b>	2.50000	30.00000	<b>0.05664</b>
sg13g2_IOPadOut4mA	c2p	0.02000	1.00000	<b>3.16849</b>	0.33000	4.00000	<b>3.09834</b>	2.50000	10.00000	<b>3.10085</b>
	c2p	0.02000	1.00000	<b>-0.01010</b>	0.33000	4.00000	<b>-0.00724</b>	2.50000	10.00000	<b>0.05647</b>

**Internal switching power(pJ) to pad falling :**



Cell Name	Input	Power(pJ)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadInOut16mA	c2p	0.02000	1.00000	<b>13.25150</b>	0.33000	4.00000	<b>10.36050</b>	2.50000	10.00000	<b>7.99736</b>
	c2p	0.02000	1.00000	<b>0.17136</b>	0.33000	4.00000	<b>0.16980</b>	2.50000	10.00000	<b>0.22700</b>
	c2p_en	0.02000	1.00000	<b>2.51155</b>	0.33000	4.00000	<b>2.50700</b>	2.50000	10.00000	<b>2.51016</b>
	c2p_en	0.02000	1.00000	<b>0.09036</b>	0.33000	4.00000	<b>0.08988</b>	2.50000	10.00000	<b>0.12397</b>
sg13g2_IOPadInOut30mA	c2p	0.02000	1.00000	<b>53.45250</b>	0.33000	4.00000	<b>46.07940</b>	2.50000	10.00000	<b>36.21970</b>
	c2p	0.02000	1.00000	<b>0.17096</b>	0.33000	4.00000	<b>0.16989</b>	2.50000	10.00000	<b>0.22401</b>
	c2p_en	0.02000	1.00000	<b>4.16590</b>	0.33000	4.00000	<b>4.16626</b>	2.50000	10.00000	<b>4.16693</b>
	c2p_en	0.02000	1.00000	<b>0.09047</b>	0.33000	4.00000	<b>0.09024</b>	2.50000	10.00000	<b>0.11845</b>
sg13g2_IOPadInOut4mA	c2p	0.02000	1.00000	<b>1.91385</b>	0.33000	4.00000	<b>1.90929</b>	2.50000	10.00000	<b>1.90322</b>
	c2p	0.02000	1.00000	<b>0.17086</b>	0.33000	4.00000	<b>0.16935</b>	2.50000	10.00000	<b>0.22867</b>
	c2p_en	0.02000	1.00000	<b>1.11032</b>	0.33000	4.00000	<b>1.11163</b>	2.50000	10.00000	<b>1.11007</b>
	c2p_en	0.02000	1.00000	<b>0.08994</b>	0.33000	4.00000	<b>0.08955</b>	2.50000	10.00000	<b>0.12693</b>
sg13g2_IOPadOut16mA	c2p	0.02000	1.00000	<b>14.91860</b>	0.33000	9.00000	<b>8.97641</b>	2.50000	15.00000	<b>7.79409</b>
	c2p	0.02000	1.00000	<b>0.05609</b>	0.33000	9.00000	<b>0.06130</b>	2.50000	15.00000	<b>0.12570</b>
sg13g2_IOPadOut30mA	c2p	0.02000	2.00000	<b>53.69910</b>	0.33000	18.00000	<b>31.85670</b>	2.50000	30.00000	<b>26.34890</b>
	c2p	0.02000	2.00000	<b>0.05609</b>	0.33000	18.00000	<b>0.06123</b>	2.50000	30.00000	<b>0.12561</b>
sg13g2_IOPadOut4mA	c2p	0.02000	1.00000	<b>2.07826</b>	0.33000	4.00000	<b>1.98251</b>	2.50000	10.00000	<b>1.94503</b>
	c2p	0.02000	1.00000	<b>0.05610</b>	0.33000	4.00000	<b>0.06131</b>	2.50000	10.00000	<b>0.12553</b>

Passive power(pJ) for c2p rising :

Cell Name	Power(pJ)					
	Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadInOut16mA	0.02000	<b>-0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>-0.01643</b>	0.33000	<b>-0.01742</b>	2.50000	<b>-0.01763</b>
sg13g2_IOPadInOut30mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>-0.01643</b>	0.33000	<b>-0.01742</b>	2.50000	<b>-0.01763</b>
sg13g2_IOPadInOut4mA	0.02000	<b>-0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>-0.01643</b>	0.33000	<b>-0.01742</b>	2.50000	<b>-0.01763</b>

Passive power(pJ) for c2p falling :

Cell Name	Power(pJ)					
	Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadInOut16mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>0.02248</b>	0.33000	<b>0.02214</b>	2.50000	<b>0.02216</b>
sg13g2_IOPadInOut30mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>0.02248</b>	0.33000	<b>0.02214</b>	2.50000	<b>0.02216</b>
sg13g2_IOPadInOut4mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>0.02248</b>	0.33000	<b>0.02214</b>	2.50000	<b>0.02216</b>

Passive power(pJ) for c2p rising (conditional):

Cell Name	When	Power(pJ)					
		Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadInOut16mA	(!c2p_en * pad * p2c)	0.02000	-0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	-0.01643	0.33000	-0.01742	2.50000	-0.01763
	(!c2p_en * !pad * !p2c)	0.02000	-0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	-0.01643	0.33000	-0.01742	2.50000	-0.01763
sg13g2_IOPadInOut30mA	(!c2p_en * pad * p2c)	0.02000	0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	-0.01643	0.33000	-0.01742	2.50000	-0.01763
	(!c2p_en * !pad * !p2c)	0.02000	0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	-0.01643	0.33000	-0.01742	2.50000	-0.01763
sg13g2_IOPadInOut4mA	(!c2p_en * pad * p2c)	0.02000	-0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	-0.01643	0.33000	-0.01742	2.50000	-0.01763
	(!c2p_en * !pad * !p2c)	0.02000	-0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	-0.01643	0.33000	-0.01742	2.50000	-0.01763

Passive power(pJ) for c2p falling (conditional):

Cell Name	When	Power(pJ)					
		Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadInOut16mA	(!c2p_en * pad * p2c)	0.02000	0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	0.02248	0.33000	0.02214	2.50000	0.02216
	(!c2p_en * !pad * !p2c)	0.02000	0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	0.02248	0.33000	0.02214	2.50000	0.02216
sg13g2_IOPadInOut30mA	(!c2p_en * pad * p2c)	0.02000	0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	0.02248	0.33000	0.02214	2.50000	0.02216
	(!c2p_en * !pad * !p2c)	0.02000	0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	0.02248	0.33000	0.02214	2.50000	0.02216
sg13g2_IOPadInOut4mA	(!c2p_en * pad * p2c)	0.02000	0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	0.02248	0.33000	0.02214	2.50000	0.02216
	(!c2p_en * !pad * !p2c)	0.02000	0.00000	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	0.02248	0.33000	0.02214	2.50000	0.02216

Passive power(pJ) for c2p\_en rising :

Cell Name	Power(pJ)					
	Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadInOut16mA	0.02000	<b>1.71151</b>	0.33000	<b>1.70911</b>	2.50000	<b>1.72074</b>
	0.02000	<b>0.03365</b>	0.33000	<b>0.03401</b>	2.50000	<b>0.07063</b>
sg13g2_IOPadInOut30mA	0.02000	<b>2.66300</b>	0.33000	<b>2.65803</b>	2.50000	<b>2.66328</b>
	0.02000	<b>0.03365</b>	0.33000	<b>0.03401</b>	2.50000	<b>0.07066</b>
sg13g2_IOPadInOut4mA	0.02000	<b>0.90907</b>	0.33000	<b>0.90904</b>	2.50000	<b>0.90859</b>
	0.02000	<b>0.03366</b>	0.33000	<b>0.03401</b>	2.50000	<b>0.07074</b>

Passive power(pJ) for c2p\_en falling :

Cell Name	Power(pJ)					
	Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadInOut16mA	0.02000	<b>0.28007</b>	0.33000	<b>0.27958</b>	2.50000	<b>0.27715</b>
	0.02000	<b>0.08135</b>	0.33000	<b>0.08226</b>	2.50000	<b>0.11852</b>
sg13g2_IOPadInOut30mA	0.02000	<b>0.26992</b>	0.33000	<b>0.26939</b>	2.50000	<b>0.26744</b>
	0.02000	<b>0.08135</b>	0.33000	<b>0.08226</b>	2.50000	<b>0.11885</b>
sg13g2_IOPadInOut4mA	0.02000	<b>0.30507</b>	0.33000	<b>0.30370</b>	2.50000	<b>0.30294</b>
	0.02000	<b>0.08135</b>	0.33000	<b>0.08226</b>	2.50000	<b>0.11872</b>

Passive power(pJ) for pad rising :

Cell Name	Power(pJ)					
	Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadInOut16mA	0.02000	<b>6.38413</b>	0.33000	<b>6.30303</b>	2.50000	<b>5.99105</b>
	0.02000	<b>1.46845</b>	0.33000	<b>5.74498</b>	2.50000	<b>10.34040</b>
	0.02000	<b>6.18034</b>	0.33000	<b>7.02428</b>	2.50000	<b>8.54261</b>
	0.02000	<b>1.43686</b>	0.33000	<b>5.71923</b>	2.50000	<b>10.21370</b>
sg13g2_IOPadInOut30mA	0.02000	<b>10.21910</b>	0.33000	<b>9.85601</b>	2.50000	<b>9.50502</b>
	0.02000	<b>1.46519</b>	0.33000	<b>5.72088</b>	2.50000	<b>4.82154</b>
	0.02000	<b>9.31797</b>	0.33000	<b>10.17010</b>	2.50000	<b>11.91200</b>
	0.02000	<b>1.43800</b>	0.33000	<b>5.70582</b>	2.50000	<b>4.53740</b>
sg13g2_IOPadInOut4mA	0.02000	<b>3.52410</b>	0.33000	<b>3.40243</b>	2.50000	<b>3.19740</b>
	0.02000	<b>1.47173</b>	0.33000	<b>5.75484</b>	2.50000	<b>14.38480</b>
	0.02000	<b>3.40015</b>	0.33000	<b>3.96492</b>	2.50000	<b>4.94244</b>
	0.02000	<b>1.44709</b>	0.33000	<b>5.73834</b>	2.50000	<b>14.37280</b>
sg13g2_IOPadOut16mA	0.02000	<b>6.17145</b>	0.33000	<b>5.95191</b>	2.50000	<b>5.99069</b>
	0.02000	<b>-0.01010</b>	0.33000	<b>-0.00731</b>	2.50000	<b>0.05670</b>
sg13g2_IOPadOut30mA	0.02000	<b>9.96903</b>	0.33000	<b>9.44028</b>	2.50000	<b>9.33438</b>
	0.02000	<b>-0.01010</b>	0.33000	<b>-0.00723</b>	2.50000	<b>0.05664</b>
sg13g2_IOPadOut4mA	0.02000	<b>3.16849</b>	0.33000	<b>3.09834</b>	2.50000	<b>3.10085</b>
	0.02000	<b>-0.01010</b>	0.33000	<b>-0.00724</b>	2.50000	<b>0.05647</b>

Passive power(pJ) for pad falling :

Cell Name	Power(pJ)					
	Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadInOut16mA	0.02000	<b>13.25150</b>	0.33000	<b>10.36050</b>	2.50000	<b>7.99736</b>
	0.02000	<b>0.17136</b>	0.33000	<b>0.16980</b>	2.50000	<b>0.22700</b>
	0.02000	<b>2.51155</b>	0.33000	<b>2.50700</b>	2.50000	<b>2.51016</b>
	0.02000	<b>0.09036</b>	0.33000	<b>0.08988</b>	2.50000	<b>0.12397</b>
sg13g2_IOPadInOut30mA	0.02000	<b>53.45250</b>	0.33000	<b>46.07940</b>	2.50000	<b>36.21970</b>
	0.02000	<b>0.17096</b>	0.33000	<b>0.16989</b>	2.50000	<b>0.22401</b>
	0.02000	<b>4.16590</b>	0.33000	<b>4.16626</b>	2.50000	<b>4.16693</b>
	0.02000	<b>0.09047</b>	0.33000	<b>0.09024</b>	2.50000	<b>0.11845</b>
sg13g2_IOPadInOut4mA	0.02000	<b>1.91385</b>	0.33000	<b>1.90929</b>	2.50000	<b>1.90322</b>
	0.02000	<b>0.17086</b>	0.33000	<b>0.16935</b>	2.50000	<b>0.22867</b>
	0.02000	<b>1.11032</b>	0.33000	<b>1.11163</b>	2.50000	<b>1.11007</b>
	0.02000	<b>0.08994</b>	0.33000	<b>0.08955</b>	2.50000	<b>0.12693</b>
sg13g2_IOPadOut16mA	0.02000	<b>14.91860</b>	0.33000	<b>8.97641</b>	2.50000	<b>7.79409</b>
	0.02000	<b>0.05609</b>	0.33000	<b>0.06130</b>	2.50000	<b>0.12570</b>
sg13g2_IOPadOut30mA	0.02000	<b>53.69910</b>	0.33000	<b>31.85670</b>	2.50000	<b>26.34890</b>
	0.02000	<b>0.05609</b>	0.33000	<b>0.06123</b>	2.50000	<b>0.12561</b>
sg13g2_IOPadOut4mA	0.02000	<b>2.07826</b>	0.33000	<b>1.98251</b>	2.50000	<b>1.94503</b>
	0.02000	<b>0.05610</b>	0.33000	<b>0.06131</b>	2.50000	<b>0.12553</b>

# INPUT



*sg13g2\_io\_typ\_1p2V\_3p3V\_25C Cell Library: Process  
sg13g2\_io\_typ\_1p2V\_3p3V\_25C, Voltage 1.20, Temp 25.00*

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## Truth Table

INPUT	OUTPUT
pad	p2c
0	0
1	1

## Footprint

Cell Name	Area
sg13g2_IOPadIn	14400.00000

## Pin Capacitance Information

Cell Name	Pin Cap(pf)	Max Cap(pf)
	pad	p2c
sg13g2_IOPadIn	0.22066	0.81352

## Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadIn	0.00000	257.60100	306.04700



## Delay Information

Delay(ns) to p2c rising :

Cell Name	Timing Arc(Dir)	Delay(ns)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadIn	pad->p2c (RR)	0.12000	0.02400	<b>0.08293</b>	0.60000	0.14400	<b>0.16877</b>	3.50000	0.24000	<b>0.23410</b>

Delay(ns) to p2c falling :

Cell Name	Timing Arc(Dir)	Delay(ns)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadIn	pad->p2c (FF)	0.12000	0.02400	<b>0.44960</b>	0.60000	0.14400	<b>0.76196</b>	3.50000	0.24000	<b>2.38737</b>

## Power Information

Internal switching power(pJ) to p2c rising :

Cell Name	Input	Power(pJ)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadIn	pad	0.12000	0.02400	<b>0.00000</b>	0.60000	0.14400	<b>0.00000</b>	3.50000	0.24000	<b>0.00000</b>
	pad	0.12000	0.02400	<b>0.00001</b>	0.60000	0.14400	<b>-0.00108</b>	3.50000	0.24000	<b>-0.00384</b>

Internal switching power(pJ) to p2c falling :

Cell Name	Input	Power(pJ)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadIn	pad	0.12000	0.02400	<b>-0.00000</b>	0.60000	0.14400	<b>-0.00000</b>	3.50000	0.24000	<b>-0.00000</b>
	pad	0.12000	0.02400	<b>0.05334</b>	0.60000	0.14400	<b>0.05079</b>	3.50000	0.24000	<b>0.05145</b>

# SG13G2\_IOPADIOVDD



*sg13g2\_io\_typ\_1p2V\_3p3V\_25C*

*Cell Library: Process*

*sg13g2\_io\_typ\_1p2V\_3p3V\_25C,*

*Voltage 1.20, Temp 25.00*

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## Footprint

Cell Name	Area
sg13g2_IOPadIOVdd	14400.00000

## Pin Capacitance Information

### Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadIOVdd	0.00000	4853.24000	4853.24000

# SG13G2\_IOPADIOVSS



*sg13g2\_io\_typ\_1p2V\_3p3V\_25C*  
*Cell Library: Process*  
*sg13g2\_io\_typ\_1p2V\_3p3V\_25C,*  
*Voltage 1.20, Temp 25.00*

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## Footprint

Cell Name	Area
sg13g2_IOPadIOVss	14400.00000

## Pin Capacitance Information

## Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadIOVss	0.00000	1.51487	1.51487

# SG13G2\_IOPADVDD



*sg13g2\_io\_typ\_1p2V\_3p3V\_25C*  
*Cell Library: Process*  
*sg13g2\_io\_typ\_1p2V\_3p3V\_25C,*  
*Voltage 1.20, Temp 25.00*

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## Footprint

Cell Name	Area
sg13g2_IOPadVdd	14400.000000

## Pin Capacitance Information

## Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadVdd	0.000000	0.000000	0.000000

# SG13G2\_IOPADVSS



*sg13g2\_io\_typ\_1p2V\_3p3V\_25C*  
*Cell Library: Process*  
*sg13g2\_io\_typ\_1p2V\_3p3V\_25C,*  
*Voltage 1.20, Temp 25.00*

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## Footprint

Cell Name	Area
sg13g2_IOPadVss	14400.00000

## Pin Capacitance Information

## Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadVss	0.00000	0.95236	0.95236

# TRI\_OUTx



*sg13g2\_io\_typ\_1p2V\_3p3V\_25C Cell Library: Process  
sg13g2\_io\_typ\_1p2V\_3p3V\_25C, Voltage 1.20, Temp  
25.00*

## Truth Table

INPUT		OUTPUT
c2p	c2p_en	pad
-	0	HiZ
0	1	0
1	1	1

## Footprint

Cell Name	Area
sg13g2_IOPadTriOut16mA	14400.00000
sg13g2_IOPadTriOut30mA	14400.00000
sg13g2_IOPadTriOut4mA	14400.00000

## Pin Capacitance Information

Cell Name	Pin Cap(pf)		Max Cap(pf)
	c2p	c2p_en	pad
sg13g2_IOPadTriOut16mA	0.02743	0.02594	4.21412
sg13g2_IOPadTriOut30mA	0.02743	0.02594	4.86346
sg13g2_IOPadTriOut4mA	0.02743	0.02595	1.11181

## Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadTriOut16mA	173.44600	1896.83000	1896.83000
sg13g2_IOPadTriOut30mA	281.63900	2087.15000	2087.15000
sg13g2_IOPadTriOut4mA	13.83420	1676.97000	1755.43000



## Delay Information

Delay(ns) to pad rising :

Cell Name	Timing Arc(Dir)	Delay(ns)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadTriOut16mA	c2p->pad (RR)	0.02000	1.00000	<b>1.55181</b>	0.33000	4.00000	<b>2.03028</b>	2.50000	10.00000	<b>2.81045</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>1.14816</b>	0.33000	4.00000	<b>1.21639</b>	2.50000	10.00000	<b>1.39988</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.54568</b>	0.33000	4.00000	<b>2.04601</b>	2.50000	10.00000	<b>2.86352</b>
sg13g2_IOPadTriOut30mA	c2p->pad (RR)	0.02000	1.00000	<b>1.76117</b>	0.33000	4.00000	<b>2.17873</b>	2.50000	10.00000	<b>2.75815</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>1.33963</b>	0.33000	4.00000	<b>1.40984</b>	2.50000	10.00000	<b>1.59423</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.73374</b>	0.33000	4.00000	<b>2.18174</b>	2.50000	10.00000	<b>2.78520</b>
sg13g2_IOPadTriOut4mA	c2p->pad (RR)	0.02000	1.00000	<b>1.55578</b>	0.33000	4.00000	<b>2.91632</b>	2.50000	10.00000	<b>5.61473</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>0.95284</b>	0.33000	4.00000	<b>1.02359</b>	2.50000	10.00000	<b>1.20632</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.56138</b>	0.33000	4.00000	<b>2.97624</b>	2.50000	10.00000	<b>5.78864</b>

Delay(ns) to pad falling :

Cell Name	Timing Arc(Dir)	Delay(ns)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadTriOut16mA	c2p->pad (FF)	0.02000	1.00000	<b>1.38738</b>	0.33000	4.00000	<b>1.80448</b>	2.50000	10.00000	<b>2.70370</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>1.35910</b>	0.33000	4.00000	<b>1.44018</b>	2.50000	10.00000	<b>1.69253</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>1.22722</b>	0.33000	4.00000	<b>1.68247</b>	2.50000	10.00000	<b>2.46511</b>
sg13g2_IOPadTriOut30mA	c2p->pad (FF)	0.02000	1.00000	<b>1.66341</b>	0.33000	4.00000	<b>1.97338</b>	2.50000	10.00000	<b>2.63449</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>1.94579</b>	0.33000	4.00000	<b>2.02803</b>	2.50000	10.00000	<b>2.25424</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>1.28022</b>	0.33000	4.00000	<b>1.63754</b>	2.50000	10.00000	<b>2.15309</b>
sg13g2_IOPadTriOut4mA	c2p->pad (FF)	0.02000	1.00000	<b>1.44376</b>	0.33000	4.00000	<b>2.79680</b>	2.50000	10.00000	<b>5.64887</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>0.87445</b>	0.33000	4.00000	<b>0.95678</b>	2.50000	10.00000	<b>1.21679</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>1.46421</b>	0.33000	4.00000	<b>2.91799</b>	2.50000	10.00000	<b>5.79463</b>

## Power Information

Internal switching power(pJ) to pad rising :

Cell Name	Input	Power(pJ)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadTriOut16mA	c2p	0.02000	1.00000	<b>6.11675</b>	0.33000	4.00000	<b>6.13589</b>	2.50000	10.00000	<b>5.92845</b>
	c2p	0.02000	1.00000	<b>0.04928</b>	0.33000	4.00000	<b>0.04789</b>	2.50000	10.00000	<b>0.10721</b>
	c2p_en	0.02000	1.00000	<b>5.88778</b>	0.33000	4.00000	<b>6.96660</b>	2.50000	10.00000	<b>8.78648</b>
	c2p_en	0.02000	1.00000	<b>0.02154</b>	0.33000	4.00000	<b>0.02307</b>	2.50000	10.00000	<b>0.09326</b>
sg13g2_IOPadTriOut30mA	c2p	0.02000	1.00000	<b>10.05590</b>	0.33000	4.00000	<b>9.73120</b>	2.50000	10.00000	<b>9.62280</b>
	c2p	0.02000	1.00000	<b>0.04927</b>	0.33000	4.00000	<b>0.04788</b>	2.50000	10.00000	<b>0.10717</b>
	c2p_en	0.02000	1.00000	<b>9.05155</b>	0.33000	4.00000	<b>10.12280</b>	2.50000	10.00000	<b>12.11460</b>
	c2p_en	0.02000	1.00000	<b>0.02153</b>	0.33000	4.00000	<b>0.02305</b>	2.50000	10.00000	<b>0.09307</b>
sg13g2_IOPadTriOut4mA	c2p	0.02000	1.00000	<b>3.16644</b>	0.33000	4.00000	<b>3.07850</b>	2.50000	10.00000	<b>2.89717</b>
	c2p	0.02000	1.00000	<b>0.04933</b>	0.33000	4.00000	<b>0.04794</b>	2.50000	10.00000	<b>0.10721</b>
	c2p_en	0.02000	1.00000	<b>3.03984</b>	0.33000	4.00000	<b>3.65871</b>	2.50000	10.00000	<b>4.92921</b>
	c2p_en	0.02000	1.00000	<b>0.02160</b>	0.33000	4.00000	<b>0.02312</b>	2.50000	10.00000	<b>0.09365</b>

Internal switching power(pJ) to pad falling :

Cell Name	Input	Power(pJ)								
		Slew(ns)	Load(pf)	First	Slew(ns)	Load(pf)	Mid	Slew(ns)	Load(pf)	Last
sg13g2_IOPadTriOut16mA	c2p	0.02000	1.00000	<b>13.39900</b>	0.33000	4.00000	<b>10.48090</b>	2.50000	10.00000	<b>8.09065</b>
	c2p	0.02000	1.00000	<b>0.11940</b>	0.33000	4.00000	<b>0.11824</b>	2.50000	10.00000	<b>0.17792</b>
	c2p_en	0.02000	1.00000	<b>2.55722</b>	0.33000	4.00000	<b>2.56063</b>	2.50000	10.00000	<b>2.56021</b>
	c2p_en	0.02000	1.00000	<b>0.03645</b>	0.33000	4.00000	<b>0.03674</b>	2.50000	10.00000	<b>0.07381</b>
sg13g2_IOPadTriOut30mA	c2p	0.02000	1.00000	<b>53.60400</b>	0.33000	4.00000	<b>46.20840</b>	2.50000	10.00000	<b>36.32050</b>
	c2p	0.02000	1.00000	<b>0.11935</b>	0.33000	4.00000	<b>0.11818</b>	2.50000	10.00000	<b>0.17791</b>
	c2p_en	0.02000	1.00000	<b>4.21710</b>	0.33000	4.00000	<b>4.22311</b>	2.50000	10.00000	<b>4.22415</b>
	c2p_en	0.02000	1.00000	<b>0.03640</b>	0.33000	4.00000	<b>0.03668</b>	2.50000	10.00000	<b>0.07354</b>
sg13g2_IOPadTriOut4mA	c2p	0.02000	1.00000	<b>1.99739</b>	0.33000	4.00000	<b>1.99406</b>	2.50000	10.00000	<b>1.98992</b>
	c2p	0.02000	1.00000	<b>0.11960</b>	0.33000	4.00000	<b>0.11844</b>	2.50000	10.00000	<b>0.17829</b>
	c2p_en	0.02000	1.00000	<b>1.15253</b>	0.33000	4.00000	<b>1.15014</b>	2.50000	10.00000	<b>1.14920</b>
	c2p_en	0.02000	1.00000	<b>0.03666</b>	0.33000	4.00000	<b>0.03699</b>	2.50000	10.00000	<b>0.07436</b>

Passive power(pJ) for c2p rising :

Cell Name	Power(pJ)					
	Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadTriOut16mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>-0.01643</b>	0.33000	<b>-0.01749</b>	2.50000	<b>-0.01774</b>
sg13g2_IOPadTriOut30mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>-0.01643</b>	0.33000	<b>-0.01749</b>	2.50000	<b>-0.01774</b>
sg13g2_IOPadTriOut4mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>-0.01643</b>	0.33000	<b>-0.01749</b>	2.50000	<b>-0.01774</b>

Passive power(pJ) for c2p falling :

Cell Name	Power(pJ)					
	Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadTriOut16mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>-0.00000</b>
	0.02000	<b>0.02149</b>	0.33000	<b>0.02091</b>	2.50000	<b>0.02083</b>
sg13g2_IOPadTriOut30mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>0.02149</b>	0.33000	<b>0.02092</b>	2.50000	<b>0.02078</b>
sg13g2_IOPadTriOut4mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>-0.00000</b>
	0.02000	<b>0.02149</b>	0.33000	<b>0.02125</b>	2.50000	<b>0.02090</b>

Passive power(pJ) for c2p rising (conditional):

Cell Name	When	Power(pJ)					
		Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadTriOut16mA	!c2p_en	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	!c2p_en	0.02000	<b>-0.01643</b>	0.33000	<b>-0.01749</b>	2.50000	<b>-0.01774</b>
sg13g2_IOPadTriOut30mA	!c2p_en	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	!c2p_en	0.02000	<b>-0.01643</b>	0.33000	<b>-0.01749</b>	2.50000	<b>-0.01774</b>
sg13g2_IOPadTriOut4mA	!c2p_en	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	!c2p_en	0.02000	<b>-0.01643</b>	0.33000	<b>-0.01749</b>	2.50000	<b>-0.01774</b>

Passive power(pJ) for c2p falling (conditional):

Cell Name	When	Power(pJ)					
		Slew(ns)	First	Slew(ns)	Mid	Slew(ns)	Last
sg13g2_IOPadTriOut16mA	!c2p_en	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>-0.00000</b>
	!c2p_en	0.02000	<b>0.02149</b>	0.33000	<b>0.02091</b>	2.50000	<b>0.02083</b>
sg13g2_IOPadTriOut30mA	!c2p_en	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	!c2p_en	0.02000	<b>0.02149</b>	0.33000	<b>0.02092</b>	2.50000	<b>0.02078</b>
sg13g2_IOPadTriOut4mA	!c2p_en	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>-0.00000</b>
	!c2p_en	0.02000	<b>0.02149</b>	0.33000	<b>0.02125</b>	2.50000	<b>0.02090</b>