

## sg13g2\_io\_fast\_1p65V\_3p6V\_m40C Library

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Cell Groups
INOUTx
INPUT
SG13G2_IOPADIOVDD
SG13G2_IOPADIOVSS
SG13G2_IOPADVDD
SG13G2_IOPADVSS
TRI_OUTx

# INOUTx



*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C Cell Library: Process  
sg13g2\_io\_fast\_1p65V\_3p6V\_m40C, Voltage 1.65, Temp  
-40.00*

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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	0.03150	0.02807	0.26032	1.70416	6.47213
sg13g2_IOPadInOut30mA	0.03150	0.02807	0.34496	1.70082	10.00220
sg13g2_IOPadInOut4mA	0.03150	0.02807	0.18739	1.70927	1.65137
sg13g2_IOPadOut16mA	0.04369	0.00000	0.00000	0.00000	6.49658
sg13g2_IOPadOut30mA	0.04368	0.00000	0.00000	0.00000	9.66853
sg13g2_IOPadOut4mA	0.04367	0.00000	0.00000	0.00000	1.68968

## Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadInOut16mA	27.44130	18775.30000	22149.80000
sg13g2_IOPadInOut30mA	0.00000	19191.60000	22149.00000
sg13g2_IOPadInOut4mA	7.07672	18341.60000	22150.50000
sg13g2_IOPadOut16mA	282.33200	4801.04000	6376.16000
sg13g2_IOPadOut30mA	524.86900	5427.66000	6376.03000
sg13g2_IOPadOut4mA	184.99300	4370.24000	6376.19000

## 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>0.04943</b>	0.60000	0.14400	<b>0.09209</b>	3.50000	0.24000	<b>0.12374</b>
sg13g2_IOPadInOut30mA	pad->p2c (RR)	0.12000	0.02400	<b>0.04948</b>	0.60000	0.14400	<b>0.09211</b>	3.50000	0.24000	<b>0.12382</b>
sg13g2_IOPadInOut4mA	pad->p2c (RR)	0.12000	0.02400	<b>0.04942</b>	0.60000	0.14400	<b>0.09206</b>	3.50000	0.24000	<b>0.12371</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>0.20305</b>	0.60000	0.14400	<b>0.48219</b>	3.50000	0.24000	<b>1.81708</b>
sg13g2_IOPadInOut30mA	pad->p2c (FF)	0.12000	0.02400	<b>0.20369</b>	0.60000	0.14400	<b>0.48215</b>	3.50000	0.24000	<b>1.81716</b>
sg13g2_IOPadInOut4mA	pad->p2c (FF)	0.12000	0.02400	<b>0.20305</b>	0.60000	0.14400	<b>0.48236</b>	3.50000	0.24000	<b>1.81512</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>1.03218</b>	0.33000	4.00000	<b>1.34907</b>	2.50000	10.00000	<b>1.82847</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>0.74725</b>	0.33000	4.00000	<b>0.78715</b>	2.50000	10.00000	<b>0.92522</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.02429</b>	0.33000	4.00000	<b>1.36442</b>	2.50000	10.00000	<b>1.88891</b>
sg13g2_IOPadInOut30mA	c2p->pad (RR)	0.02000	1.00000	<b>1.20298</b>	0.33000	4.00000	<b>1.47953</b>	2.50000	10.00000	<b>1.82523</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>0.90828</b>	0.33000	4.00000	<b>0.94704</b>	2.50000	10.00000	<b>1.08854</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.16890</b>	0.33000	4.00000	<b>1.48497</b>	2.50000	10.00000	<b>1.86835</b>
sg13g2_IOPadInOut4mA	c2p->pad (RR)	0.02000	1.00000	<b>1.01629</b>	0.33000	4.00000	<b>1.94151</b>	2.50000	10.00000	<b>3.75393</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>0.58942</b>	0.33000	4.00000	<b>0.63054</b>	2.50000	10.00000	<b>0.76992</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.01908</b>	0.33000	4.00000	<b>1.98689</b>	2.50000	10.00000	<b>3.88588</b>
sg13g2_IOPadOut16mA	c2p->pad (RR)	0.02000	1.00000	<b>1.00861</b>	0.33000	9.00000	<b>1.78936</b>	2.50000	15.00000	<b>2.63486</b>
sg13g2_IOPadOut30mA	c2p->pad (RR)	0.02000	2.00000	<b>1.28565</b>	0.33000	18.00000	<b>2.23489</b>	2.50000	30.00000	<b>3.12983</b>
sg13g2_IOPadOut4mA	c2p->pad (RR)	0.02000	1.00000	<b>0.98438</b>	0.33000	4.00000	<b>1.97285</b>	2.50000	10.00000	<b>4.17015</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>0.70436</b>	0.33000	4.00000	<b>1.00215</b>	2.50000	10.00000	<b>1.67449</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>0.71486</b>	0.33000	4.00000	<b>0.75924</b>	2.50000	10.00000	<b>0.94284</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>0.57203</b>	0.33000	4.00000	<b>0.88467</b>	2.50000	10.00000	<b>1.40206</b>
sg13g2_IOPadInOut30mA	c2p->pad (FF)	0.02000	1.00000	<b>0.90888</b>	0.33000	4.00000	<b>1.12984</b>	2.50000	10.00000	<b>1.63080</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>1.14760</b>	0.33000	4.00000	<b>1.20395</b>	2.50000	10.00000	<b>1.38036</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>0.60418</b>	0.33000	4.00000	<b>0.84196</b>	2.50000	10.00000	<b>1.16013</b>
sg13g2_IOPadInOut4mA	c2p->pad (FF)	0.02000	1.00000	<b>0.73533</b>	0.33000	4.00000	<b>1.70636</b>	2.50000	10.00000	<b>3.79013</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>0.34888</b>	0.33000	4.00000	<b>0.40201</b>	2.50000	10.00000	<b>0.58122</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>0.75026</b>	0.33000	4.00000	<b>1.78869</b>	2.50000	10.00000	<b>3.82421</b>
sg13g2_IOPadOut16mA	c2p->pad (FF)	0.02000	1.00000	<b>0.67051</b>	0.33000	9.00000	<b>1.30408</b>	2.50000	15.00000	<b>1.83952</b>
sg13g2_IOPadOut30mA	c2p->pad (FF)	0.02000	2.00000	<b>0.94041</b>	0.33000	18.00000	<b>1.66293</b>	2.50000	30.00000	<b>2.20906</b>
sg13g2_IOPadOut4mA	c2p->pad (FF)	0.02000	1.00000	<b>0.68611</b>	0.33000	4.00000	<b>1.63007</b>	2.50000	10.00000	<b>3.56209</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>-0.69273</b>	0.60000	0.14400	<b>-0.69545</b>	3.50000	0.24000	<b>0.14878</b>
	pad	0.12000	0.02400	<b>0.01094</b>	0.60000	0.14400	<b>0.00873</b>	3.50000	0.24000	<b>0.08271</b>
sg13g2_IOPadInOut30mA	pad	0.12000	0.02400	<b>-1.31839</b>	0.60000	0.14400	<b>-1.32545</b>	3.50000	0.24000	<b>0.29047</b>
	pad	0.12000	0.02400	<b>0.01092</b>	0.60000	0.14400	<b>0.00879</b>	3.50000	0.24000	<b>0.08469</b>
sg13g2_IOPadInOut4mA	pad	0.12000	0.02400	<b>-0.17313</b>	0.60000	0.14400	<b>-0.17385</b>	3.50000	0.24000	<b>0.03535</b>
	pad	0.12000	0.02400	<b>0.01095</b>	0.60000	0.14400	<b>0.00920</b>	3.50000	0.24000	<b>0.08471</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>0.69721</b>	0.60000	0.14400	<b>0.69545</b>	3.50000	0.24000	<b>0.69402</b>
	pad	0.12000	0.02400	<b>0.10227</b>	0.60000	0.14400	<b>0.09365</b>	3.50000	0.24000	<b>0.12349</b>
sg13g2_IOPadInOut30mA	pad	0.12000	0.02400	<b>1.32603</b>	0.60000	0.14400	<b>1.32545</b>	3.50000	0.24000	<b>1.32205</b>
	pad	0.12000	0.02400	<b>0.10255</b>	0.60000	0.14400	<b>0.09423</b>	3.50000	0.24000	<b>0.12338</b>
sg13g2_IOPadInOut4mA	pad	0.12000	0.02400	<b>0.17417</b>	0.60000	0.14400	<b>0.17385</b>	3.50000	0.24000	<b>0.17356</b>
	pad	0.12000	0.02400	<b>0.10228</b>	0.60000	0.14400	<b>0.09365</b>	3.50000	0.24000	<b>0.11328</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>7.96958</b>	0.33000	4.00000	<b>7.76380</b>	2.50000	10.00000	<b>7.46111</b>
	c2p	0.02000	1.00000	<b>2.78764</b>	0.33000	4.00000	<b>10.89660</b>	2.50000	10.00000	<b>26.79270</b>
	c2p_en	0.02000	1.00000	<b>7.47006</b>	0.33000	4.00000	<b>8.36003</b>	2.50000	10.00000	<b>10.09560</b>
	c2p_en	0.02000	1.00000	<b>2.73279</b>	0.33000	4.00000	<b>10.85760</b>	2.50000	10.00000	<b>26.79130</b>
sg13g2_IOPadInOut30mA	c2p	0.02000	1.00000	<b>13.36440</b>	0.33000	4.00000	<b>12.62730</b>	2.50000	10.00000	<b>12.00280</b>
	c2p	0.02000	1.00000	<b>2.78450</b>	0.33000	4.00000	<b>10.92300</b>	2.50000	10.00000	<b>22.94070</b>
	c2p_en	0.02000	1.00000	<b>11.37870</b>	0.33000	4.00000	<b>12.29090</b>	2.50000	10.00000	<b>13.99550</b>
	c2p_en	0.02000	1.00000	<b>2.73295</b>	0.33000	4.00000	<b>10.89880</b>	2.50000	10.00000	<b>22.83250</b>
sg13g2_IOPadInOut4mA	c2p	0.02000	1.00000	<b>4.26685</b>	0.33000	4.00000	<b>4.14054</b>	2.50000	10.00000	<b>3.86064</b>
	c2p	0.02000	1.00000	<b>2.79539</b>	0.33000	4.00000	<b>10.98200</b>	2.50000	10.00000	<b>27.98750</b>
	c2p_en	0.02000	1.00000	<b>4.05897</b>	0.33000	4.00000	<b>4.72637</b>	2.50000	10.00000	<b>5.94893</b>
	c2p_en	0.02000	1.00000	<b>2.74067</b>	0.33000	4.00000	<b>10.94510</b>	2.50000	10.00000	<b>27.95730</b>
sg13g2_IOPadOut16mA	c2p	0.02000	1.00000	<b>7.73342</b>	0.33000	9.00000	<b>7.40696</b>	2.50000	15.00000	<b>7.38454</b>
	c2p	0.02000	1.00000	<b>-0.02320</b>	0.33000	9.00000	<b>0.06608</b>	2.50000	15.00000	<b>0.80790</b>
sg13g2_IOPadOut30mA	c2p	0.02000	2.00000	<b>12.85740</b>	0.33000	18.00000	<b>11.81240</b>	2.50000	30.00000	<b>11.68850</b>
	c2p	0.02000	2.00000	<b>-0.02323</b>	0.33000	18.00000	<b>0.06591</b>	2.50000	30.00000	<b>0.80855</b>
sg13g2_IOPadOut4mA	c2p	0.02000	1.00000	<b>3.83833</b>	0.33000	4.00000	<b>3.76132</b>	2.50000	10.00000	<b>3.80650</b>
	c2p	0.02000	1.00000	<b>-0.02324</b>	0.33000	4.00000	<b>0.06591</b>	2.50000	10.00000	<b>0.81201</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>18.47980</b>	0.33000	4.00000	<b>14.16730</b>	2.50000	10.00000	<b>10.10760</b>
	c2p	0.02000	1.00000	<b>0.33027</b>	0.33000	4.00000	<b>0.40817</b>	2.50000	10.00000	<b>1.17397</b>
	c2p_en	0.02000	1.00000	<b>2.92914</b>	0.33000	4.00000	<b>2.92408</b>	2.50000	10.00000	<b>2.91766</b>
	c2p_en	0.02000	1.00000	<b>0.16606</b>	0.33000	4.00000	<b>0.21275</b>	2.50000	10.00000	<b>0.63906</b>
sg13g2_IOPadInOut30mA	c2p	0.02000	1.00000	<b>72.86300</b>	0.33000	4.00000	<b>62.83180</b>	2.50000	10.00000	<b>47.38640</b>
	c2p	0.02000	1.00000	<b>0.33122</b>	0.33000	4.00000	<b>0.40826</b>	2.50000	10.00000	<b>1.17055</b>
	c2p_en	0.02000	1.00000	<b>4.92533</b>	0.33000	4.00000	<b>4.92695</b>	2.50000	10.00000	<b>4.92148</b>
	c2p_en	0.02000	1.00000	<b>0.16548</b>	0.33000	4.00000	<b>0.21179</b>	2.50000	10.00000	<b>0.63016</b>
sg13g2_IOPadInOut4mA	c2p	0.02000	1.00000	<b>2.14328</b>	0.33000	4.00000	<b>2.11204</b>	2.50000	10.00000	<b>2.11609</b>
	c2p	0.02000	1.00000	<b>0.33079</b>	0.33000	4.00000	<b>0.41454</b>	2.50000	10.00000	<b>1.19324</b>
	c2p_en	0.02000	1.00000	<b>1.20846</b>	0.33000	4.00000	<b>1.20721</b>	2.50000	10.00000	<b>1.20713</b>
	c2p_en	0.02000	1.00000	<b>0.16676</b>	0.33000	4.00000	<b>0.21899</b>	2.50000	10.00000	<b>0.66031</b>
sg13g2_IOPadOut16mA	c2p	0.02000	1.00000	<b>19.89700</b>	0.33000	9.00000	<b>11.73880</b>	2.50000	15.00000	<b>10.02920</b>
	c2p	0.02000	1.00000	<b>0.11146</b>	0.33000	9.00000	<b>0.20856</b>	2.50000	15.00000	<b>0.95012</b>
sg13g2_IOPadOut30mA	c2p	0.02000	2.00000	<b>71.51190</b>	0.33000	18.00000	<b>42.51740</b>	2.50000	30.00000	<b>34.86840</b>
	c2p	0.02000	2.00000	<b>0.11148</b>	0.33000	18.00000	<b>0.20865</b>	2.50000	30.00000	<b>0.94993</b>
sg13g2_IOPadOut4mA	c2p	0.02000	1.00000	<b>2.31467</b>	0.33000	4.00000	<b>2.19251</b>	2.50000	10.00000	<b>2.21476</b>
	c2p	0.02000	1.00000	<b>0.11153</b>	0.33000	4.00000	<b>0.20862</b>	2.50000	10.00000	<b>0.95300</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>-0.00001</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>-0.03459</b>	0.33000	<b>-0.03657</b>	2.50000	<b>-0.03683</b>
sg13g2_IOPadInOut30mA	0.02000	<b>-0.00001</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>-0.03459</b>	0.33000	<b>-0.03657</b>	2.50000	<b>-0.03683</b>
sg13g2_IOPadInOut4mA	0.02000	<b>-0.00002</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>-0.03459</b>	0.33000	<b>-0.03657</b>	2.50000	<b>-0.03683</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>0.00001</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>0.04501</b>	0.33000	<b>0.04410</b>	2.50000	<b>0.04406</b>
sg13g2_IOPadInOut30mA	0.02000	<b>0.00001</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>0.04501</b>	0.33000	<b>0.04410</b>	2.50000	<b>0.04406</b>
sg13g2_IOPadInOut4mA	0.02000	<b>0.00002</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00000</b>
	0.02000	<b>0.04501</b>	0.33000	<b>0.04410</b>	2.50000	<b>0.04406</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	-0.00001	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	-0.03459	0.33000	-0.03658	2.50000	-0.03683
	(!c2p_en * !pad * !p2c)	0.02000	-0.00001	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	-0.03459	0.33000	-0.03657	2.50000	-0.03683
sg13g2_IOPadInOut30mA	(!c2p_en * pad * p2c)	0.02000	-0.00001	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	-0.03459	0.33000	-0.03658	2.50000	-0.03683
	(!c2p_en * !pad * !p2c)	0.02000	-0.00001	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	-0.03459	0.33000	-0.03657	2.50000	-0.03683
sg13g2_IOPadInOut4mA	(!c2p_en * pad * p2c)	0.02000	-0.00002	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	-0.03459	0.33000	-0.03658	2.50000	-0.03683
	(!c2p_en * !pad * !p2c)	0.02000	-0.00002	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	-0.03459	0.33000	-0.03657	2.50000	-0.03683

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	0.00001	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	0.04501	0.33000	0.04410	2.50000	0.04406
	(!c2p_en * !pad * !p2c)	0.02000	0.00001	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	0.04501	0.33000	0.04410	2.50000	0.04406
sg13g2_IOPadInOut30mA	(!c2p_en * pad * p2c)	0.02000	0.00001	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	0.04501	0.33000	0.04410	2.50000	0.04406
	(!c2p_en * !pad * !p2c)	0.02000	0.00001	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	0.04501	0.33000	0.04410	2.50000	0.04406
sg13g2_IOPadInOut4mA	(!c2p_en * pad * p2c)	0.02000	0.00002	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * pad * p2c)	0.02000	0.04501	0.33000	0.04410	2.50000	0.04406
	(!c2p_en * !pad * !p2c)	0.02000	0.00002	0.33000	0.00000	2.50000	0.00000
	(!c2p_en * !pad * !p2c)	0.02000	0.04501	0.33000	0.04410	2.50000	0.04406

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>2.01075</b>	0.33000	<b>2.01329</b>	2.50000	<b>2.01015</b>
	0.02000	<b>0.06522</b>	0.33000	<b>0.11110</b>	2.50000	<b>0.55277</b>
sg13g2_IOPadInOut30mA	0.02000	<b>3.22292</b>	0.33000	<b>3.21956</b>	2.50000	<b>3.22677</b>
	0.02000	<b>0.06522</b>	0.33000	<b>0.11109</b>	2.50000	<b>0.55341</b>
sg13g2_IOPadInOut4mA	0.02000	<b>0.97972</b>	0.33000	<b>0.98027</b>	2.50000	<b>0.98147</b>
	0.02000	<b>0.06523</b>	0.33000	<b>0.11107</b>	2.50000	<b>0.55250</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>0.34811</b>	0.33000	<b>0.34366</b>	2.50000	<b>0.34017</b>
	0.02000	<b>0.16025</b>	0.33000	<b>0.21280</b>	2.50000	<b>0.65160</b>
sg13g2_IOPadInOut30mA	0.02000	<b>0.33083</b>	0.33000	<b>0.32596</b>	2.50000	<b>0.32429</b>
	0.02000	<b>0.16026</b>	0.33000	<b>0.21281</b>	2.50000	<b>0.65193</b>
sg13g2_IOPadInOut4mA	0.02000	<b>0.38397</b>	0.33000	<b>0.37877</b>	2.50000	<b>0.37597</b>
	0.02000	<b>0.16024</b>	0.33000	<b>0.21278</b>	2.50000	<b>0.65174</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>7.96958</b>	0.33000	<b>7.76380</b>	2.50000	<b>7.46111</b>
	0.02000	<b>2.78764</b>	0.33000	<b>10.89660</b>	2.50000	<b>26.79270</b>
	0.02000	<b>7.47006</b>	0.33000	<b>8.36003</b>	2.50000	<b>10.09560</b>
	0.02000	<b>2.73279</b>	0.33000	<b>10.85760</b>	2.50000	<b>26.79130</b>
sg13g2_IOPadInOut30mA	0.02000	<b>13.36440</b>	0.33000	<b>12.62730</b>	2.50000	<b>12.00280</b>
	0.02000	<b>2.78450</b>	0.33000	<b>10.92300</b>	2.50000	<b>22.94070</b>
	0.02000	<b>11.37870</b>	0.33000	<b>12.29090</b>	2.50000	<b>13.99550</b>
	0.02000	<b>2.73295</b>	0.33000	<b>10.89880</b>	2.50000	<b>22.83250</b>
sg13g2_IOPadInOut4mA	0.02000	<b>4.26685</b>	0.33000	<b>4.14054</b>	2.50000	<b>3.86064</b>
	0.02000	<b>2.79539</b>	0.33000	<b>10.98200</b>	2.50000	<b>27.98750</b>
	0.02000	<b>4.05897</b>	0.33000	<b>4.72637</b>	2.50000	<b>5.94893</b>
	0.02000	<b>2.74067</b>	0.33000	<b>10.94510</b>	2.50000	<b>27.95730</b>
sg13g2_IOPadOut16mA	0.02000	<b>7.73342</b>	0.33000	<b>7.40696</b>	2.50000	<b>7.38454</b>
	0.02000	<b>-0.02320</b>	0.33000	<b>0.06608</b>	2.50000	<b>0.80790</b>
sg13g2_IOPadOut30mA	0.02000	<b>12.85740</b>	0.33000	<b>11.81240</b>	2.50000	<b>11.68850</b>
	0.02000	<b>-0.02323</b>	0.33000	<b>0.06591</b>	2.50000	<b>0.80855</b>
sg13g2_IOPadOut4mA	0.02000	<b>3.83833</b>	0.33000	<b>3.76132</b>	2.50000	<b>3.80650</b>
	0.02000	<b>-0.02324</b>	0.33000	<b>0.06591</b>	2.50000	<b>0.81201</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>18.47980</b>	0.33000	<b>14.16730</b>	2.50000	<b>10.10760</b>
	0.02000	<b>0.33027</b>	0.33000	<b>0.40817</b>	2.50000	<b>1.17397</b>
	0.02000	<b>2.92914</b>	0.33000	<b>2.92408</b>	2.50000	<b>2.91766</b>
	0.02000	<b>0.16606</b>	0.33000	<b>0.21275</b>	2.50000	<b>0.63906</b>
sg13g2_IOPadInOut30mA	0.02000	<b>72.86300</b>	0.33000	<b>62.83180</b>	2.50000	<b>47.38640</b>
	0.02000	<b>0.33122</b>	0.33000	<b>0.40826</b>	2.50000	<b>1.17055</b>
	0.02000	<b>4.92533</b>	0.33000	<b>4.92695</b>	2.50000	<b>4.92148</b>
	0.02000	<b>0.16548</b>	0.33000	<b>0.21179</b>	2.50000	<b>0.63016</b>
sg13g2_IOPadInOut4mA	0.02000	<b>2.14328</b>	0.33000	<b>2.11204</b>	2.50000	<b>2.11609</b>
	0.02000	<b>0.33079</b>	0.33000	<b>0.41454</b>	2.50000	<b>1.19324</b>
	0.02000	<b>1.20846</b>	0.33000	<b>1.20721</b>	2.50000	<b>1.20713</b>
	0.02000	<b>0.16676</b>	0.33000	<b>0.21899</b>	2.50000	<b>0.66031</b>
sg13g2_IOPadOut16mA	0.02000	<b>19.89700</b>	0.33000	<b>11.73880</b>	2.50000	<b>10.02920</b>
	0.02000	<b>0.11146</b>	0.33000	<b>0.20856</b>	2.50000	<b>0.95012</b>
sg13g2_IOPadOut30mA	0.02000	<b>71.51190</b>	0.33000	<b>42.51740</b>	2.50000	<b>34.86840</b>
	0.02000	<b>0.11148</b>	0.33000	<b>0.20865</b>	2.50000	<b>0.94993</b>
sg13g2_IOPadOut4mA	0.02000	<b>2.31467</b>	0.33000	<b>2.19251</b>	2.50000	<b>2.21476</b>
	0.02000	<b>0.11153</b>	0.33000	<b>0.20862</b>	2.50000	<b>0.95300</b>

# INPUT



*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C Cell Library: Process  
sg13g2\_io\_fast\_1p65V\_3p6V\_m40C, Voltage 1.65, Temp -40.00*

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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	1.71416

## Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadIn	0.00000	2057.45000	3192.46000



## 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>0.04930</b>	0.60000	0.14400	<b>0.09195</b>	3.50000	0.24000	<b>0.12357</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>0.20285</b>	0.60000	0.14400	<b>0.47996</b>	3.50000	0.24000	<b>1.81577</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>0.01038</b>	0.60000	0.14400	<b>0.00881</b>	3.50000	0.24000	<b>0.08424</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>0.10214</b>	0.60000	0.14400	<b>0.09496</b>	3.50000	0.24000	<b>0.11465</b>

# SG13G2\_IOPADIOVDD



*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C*  
*Cell Library: Process*  
*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C,*  
*Voltage 1.65, Temp -40.00*

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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	7677.59000	7677.59000

# SG13G2\_IOPADIOVSS



*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C*

*Cell Library: Process*

*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C,*

*Voltage 1.65, Temp -40.00*

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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	2.86405	2.86405

# SG13G2\_IOPADVDD



*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C*  
Cell Library: Process  
*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C,*  
Voltage 1.65, Temp -40.00

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## Footprint

Cell Name	Area
sg13g2_IOPadVdd	14400.00000

## Pin Capacitance Information

## Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadVdd	0.00000	0.00000	0.00000

# SG13G2\_IOPADVSS



*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C*  
*Cell Library: Process*  
*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C,*  
*Voltage 1.65, Temp -40.00*

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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	1.80055	1.80055

# TRI\_OUTx



*sg13g2\_io\_fast\_1p65V\_3p6V\_m40C Cell Library:  
Process sg13g2\_io\_fast\_1p65V\_3p6V\_m40C, Voltage  
1.65, Temp -40.00*

## 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	0.03114	0.02890	6.49315
sg13g2_IOPadTriOut30mA	0.03114	0.02890	10.04960
sg13g2_IOPadTriOut4mA	0.03114	0.02889	1.68930

## Leakage Information

Cell Name	Leakage(pW)		
	Min.	Avg	Max.
sg13g2_IOPadTriOut16mA	224.19900	16570.20000	19894.50000
sg13g2_IOPadTriOut30mA	349.68200	16925.10000	19895.10000
sg13g2_IOPadTriOut4mA	37.18440	16198.90000	19894.90000



## 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>1.04212</b>	0.33000	4.00000	<b>1.36184</b>	2.50000	10.00000	<b>1.84328</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>0.75980</b>	0.33000	4.00000	<b>0.80232</b>	2.50000	10.00000	<b>0.93939</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.03218</b>	0.33000	4.00000	<b>1.37925</b>	2.50000	10.00000	<b>1.90371</b>
sg13g2_IOPadTriOut30mA	c2p->pad (RR)	0.02000	1.00000	<b>1.21488</b>	0.33000	4.00000	<b>1.49434</b>	2.50000	10.00000	<b>1.84395</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>0.92222</b>	0.33000	4.00000	<b>0.96271</b>	2.50000	10.00000	<b>1.10380</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.17694</b>	0.33000	4.00000	<b>1.49879</b>	2.50000	10.00000	<b>1.88546</b>
sg13g2_IOPadTriOut4mA	c2p->pad (RR)	0.02000	1.00000	<b>1.01868</b>	0.33000	4.00000	<b>1.94488</b>	2.50000	10.00000	<b>3.75736</b>
	c2p_en->pad (FR)	0.02000	1.00000	<b>0.60501</b>	0.33000	4.00000	<b>0.64523</b>	2.50000	10.00000	<b>0.78350</b>
	c2p_en->pad (RR)	0.02000	1.00000	<b>1.02112</b>	0.33000	4.00000	<b>1.99234</b>	2.50000	10.00000	<b>3.89879</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>0.71343</b>	0.33000	4.00000	<b>1.01207</b>	2.50000	10.00000	<b>1.68230</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>0.72561</b>	0.33000	4.00000	<b>0.77975</b>	2.50000	10.00000	<b>0.95442</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>0.57796</b>	0.33000	4.00000	<b>0.89279</b>	2.50000	10.00000	<b>1.41421</b>
sg13g2_IOPadTriOut30mA	c2p->pad (FF)	0.02000	1.00000	<b>0.92077</b>	0.33000	4.00000	<b>1.14271</b>	2.50000	10.00000	<b>1.64288</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>1.16216</b>	0.33000	4.00000	<b>1.21181</b>	2.50000	10.00000	<b>1.39363</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>0.61085</b>	0.33000	4.00000	<b>0.85091</b>	2.50000	10.00000	<b>1.17016</b>
sg13g2_IOPadTriOut4mA	c2p->pad (FF)	0.02000	1.00000	<b>0.73575</b>	0.33000	4.00000	<b>1.70597</b>	2.50000	10.00000	<b>3.78870</b>
	c2p_en->pad (FF)	0.02000	1.00000	<b>0.35705</b>	0.33000	4.00000	<b>0.41107</b>	2.50000	10.00000	<b>0.59013</b>
	c2p_en->pad (RF)	0.02000	1.00000	<b>0.75064</b>	0.33000	4.00000	<b>1.79201</b>	2.50000	10.00000	<b>3.83330</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>7.66479</b>	0.33000	4.00000	<b>7.46989</b>	2.50000	10.00000	<b>7.26635</b>
	c2p	0.02000	1.00000	<b>0.09401</b>	0.33000	4.00000	<b>0.16716</b>	2.50000	10.00000	<b>0.94417</b>
	c2p_en	0.02000	1.00000	<b>7.09714</b>	0.33000	4.00000	<b>8.23543</b>	2.50000	10.00000	<b>9.95796</b>
	c2p_en	0.02000	1.00000	<b>0.03964</b>	0.33000	4.00000	<b>0.12715</b>	2.50000	10.00000	<b>0.91079</b>
sg13g2_IOPadTriOut30mA	c2p	0.02000	1.00000	<b>13.12700</b>	0.33000	4.00000	<b>12.49260</b>	2.50000	10.00000	<b>11.73840</b>
	c2p	0.02000	1.00000	<b>0.09400</b>	0.33000	4.00000	<b>0.16716</b>	2.50000	10.00000	<b>0.94461</b>
	c2p_en	0.02000	1.00000	<b>11.01200</b>	0.33000	4.00000	<b>12.11740</b>	2.50000	10.00000	<b>13.85610</b>
	c2p_en	0.02000	1.00000	<b>0.03962</b>	0.33000	4.00000	<b>0.12713</b>	2.50000	10.00000	<b>0.90956</b>
sg13g2_IOPadTriOut4mA	c2p	0.02000	1.00000	<b>3.82991</b>	0.33000	4.00000	<b>3.70732</b>	2.50000	10.00000	<b>3.46864</b>
	c2p	0.02000	1.00000	<b>0.09405</b>	0.33000	4.00000	<b>0.16720</b>	2.50000	10.00000	<b>0.94268</b>
	c2p_en	0.02000	1.00000	<b>3.63393</b>	0.33000	4.00000	<b>4.33001</b>	2.50000	10.00000	<b>5.70751</b>
	c2p_en	0.02000	1.00000	<b>0.03969</b>	0.33000	4.00000	<b>0.12718</b>	2.50000	10.00000	<b>0.92104</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>18.69120</b>	0.33000	4.00000	<b>14.35710</b>	2.50000	10.00000	<b>10.27190</b>
	c2p	0.02000	1.00000	<b>0.23902</b>	0.33000	4.00000	<b>0.31762</b>	2.50000	10.00000	<b>1.08122</b>
	c2p_en	0.02000	1.00000	<b>2.98171</b>	0.33000	4.00000	<b>2.98509</b>	2.50000	10.00000	<b>2.97984</b>
	c2p_en	0.02000	1.00000	<b>0.07148</b>	0.33000	4.00000	<b>0.11859</b>	2.50000	10.00000	<b>0.54487</b>
sg13g2_IOPadTriOut30mA	c2p	0.02000	1.00000	<b>73.13690</b>	0.33000	4.00000	<b>63.09510</b>	2.50000	10.00000	<b>47.67670</b>
	c2p	0.02000	1.00000	<b>0.23888</b>	0.33000	4.00000	<b>0.31758</b>	2.50000	10.00000	<b>1.08129</b>
	c2p_en	0.02000	1.00000	<b>4.98095</b>	0.33000	4.00000	<b>4.98760</b>	2.50000	10.00000	<b>4.98929</b>
	c2p_en	0.02000	1.00000	<b>0.07142</b>	0.33000	4.00000	<b>0.11853</b>	2.50000	10.00000	<b>0.54411</b>
sg13g2_IOPadTriOut4mA	c2p	0.02000	1.00000	<b>2.24806</b>	0.33000	4.00000	<b>2.21460</b>	2.50000	10.00000	<b>2.21555</b>
	c2p	0.02000	1.00000	<b>0.23915</b>	0.33000	4.00000	<b>0.31788</b>	2.50000	10.00000	<b>1.08155</b>
	c2p_en	0.02000	1.00000	<b>1.26066</b>	0.33000	4.00000	<b>1.25877</b>	2.50000	10.00000	<b>1.25865</b>
	c2p_en	0.02000	1.00000	<b>0.07174</b>	0.33000	4.00000	<b>0.11884</b>	2.50000	10.00000	<b>0.55053</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>0.00005</b>	0.33000	<b>0.00008</b>	2.50000	<b>0.00009</b>
	0.02000	<b>-0.03476</b>	0.33000	<b>-0.03658</b>	2.50000	<b>-0.03696</b>
sg13g2_IOPadTriOut30mA	0.02000	<b>0.00017</b>	0.33000	<b>0.00020</b>	2.50000	<b>0.00021</b>
	0.02000	<b>-0.03476</b>	0.33000	<b>-0.03658</b>	2.50000	<b>-0.03696</b>
sg13g2_IOPadTriOut4mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00001</b>
	0.02000	<b>-0.03476</b>	0.33000	<b>-0.03658</b>	2.50000	<b>-0.03696</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>-0.00005</b>	0.33000	<b>-0.00008</b>	2.50000	<b>-0.00009</b>
	0.02000	<b>0.04301</b>	0.33000	<b>0.04207</b>	2.50000	<b>0.04189</b>
sg13g2_IOPadTriOut30mA	0.02000	<b>-0.00004</b>	0.33000	<b>-0.00006</b>	2.50000	<b>-0.00006</b>
	0.02000	<b>0.04302</b>	0.33000	<b>0.04218</b>	2.50000	<b>0.04219</b>
sg13g2_IOPadTriOut4mA	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>-0.00001</b>
	0.02000	<b>0.04301</b>	0.33000	<b>0.04204</b>	2.50000	<b>0.04228</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>0.00005</b>	0.33000	<b>0.00008</b>	2.50000	<b>0.00009</b>
	!c2p_en	0.02000	<b>-0.03476</b>	0.33000	<b>-0.03658</b>	2.50000	<b>-0.03696</b>
sg13g2_IOPadTriOut30mA	!c2p_en	0.02000	<b>0.00017</b>	0.33000	<b>0.00020</b>	2.50000	<b>0.00021</b>
	!c2p_en	0.02000	<b>-0.03476</b>	0.33000	<b>-0.03658</b>	2.50000	<b>-0.03696</b>
sg13g2_IOPadTriOut4mA	!c2p_en	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>0.00001</b>
	!c2p_en	0.02000	<b>-0.03476</b>	0.33000	<b>-0.03658</b>	2.50000	<b>-0.03696</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>-0.00005</b>	0.33000	<b>-0.00008</b>	2.50000	<b>-0.00009</b>
	!c2p_en	0.02000	<b>0.04301</b>	0.33000	<b>0.04207</b>	2.50000	<b>0.04189</b>
sg13g2_IOPadTriOut30mA	!c2p_en	0.02000	<b>-0.00004</b>	0.33000	<b>-0.00006</b>	2.50000	<b>-0.00006</b>
	!c2p_en	0.02000	<b>0.04302</b>	0.33000	<b>0.04218</b>	2.50000	<b>0.04219</b>
sg13g2_IOPadTriOut4mA	!c2p_en	0.02000	<b>0.00000</b>	0.33000	<b>0.00000</b>	2.50000	<b>-0.00001</b>
	!c2p_en	0.02000	<b>0.04301</b>	0.33000	<b>0.04204</b>	2.50000	<b>0.04228</b>