
[IBIS ver] 2.1
[File name] s160lvds.ibs
[File Rev] 1.0
[Date] 5/9/2001
[Source] lvdnsig.s2i
[Notes] Model created by SiQual, Inc. under contract.

Initial Release, 5/9/2001
Ccomp values extracted from Spice deck.

[Disclaimer] This model is provided for simulation purposes only.

Component scsi160sxv33c

[Component] scsi160sxv33c
[Manufacturer] Agere
[Package]
| variable typ min max
R_pkg 0.0000 0.0000 0.0000
L_pkg 0.0000H 0.0000H 0.0000H
C_pkg 0.0000F 0.0000F 0.0000F

[Pin] signal_name model_name R_pin L_pin C_pin
1 NSIG scsi160sxv33cn
2 PSIG scsi160sxv33cp

[Diff_pin] inv_pin vdiff tdelay_typ tdelay_min tdelay_max
1 2 NA 0 0 0

Model scsi160sxv33cn

[Model] scsi160sxv33cn
Model_type I/O
Vinl=0.8V
Vinh=1.4V
Vmeas=1.2V
Enable Active-Low
C_comp 1.095e-12 1.000e-12 2.270e-12

[Temperature Range] 25.000 0.125k 0.0000
[Voltage Range] 3.300V 3.000V 3.600V

[Pulldown]
| voltage I(typ) I(min) I(max)

0.00	0.01190	0.01090	0.01330
1.35	0.01190	0.01090	0.01330
1.40	0.01190	0.01090	0.01330
1.45	0.01190	0.01090	0.01330
1.50	0.01200	0.01090	0.01330
1.55	0.01200	0.01100	0.01330
1.60	0.01200	0.01100	0.01330
1.65	0.01200	0.01100	0.01340
1.70	0.01200	0.01100	0.01340
1.75	0.01200	0.01100	0.01340
1.80	0.01200	0.01100	0.01340
1.85	0.01200	0.01100	0.01340
1.90	0.01200	0.01100	0.01340
1.95	0.01210	0.01100	0.01340
2.00	0.01210	0.01100	0.01340
2.05	0.01210	0.01100	0.01350
2.10	0.01210	0.01100	0.01350
2.15	0.01210	0.01100	0.01350
2.20	0.01210	0.01100	0.01350
2.25	0.01210	0.01100	0.01350
2.30	0.01210	0.01100	0.01350
2.35	0.01210	0.01100	0.01350
2.40	0.01210	0.01100	0.01350
2.45	0.01210	0.01100	0.01350
2.50	0.01210	0.01100	0.01350
2.55	0.01210	0.01100	0.01350
2.60	0.01210	0.01100	0.01350
2.65	0.01210	0.01100	0.01360
2.70	0.01210	0.01100	0.01360
2.75	0.01210	0.01100	0.01360
2.80	0.01210	0.01100	0.01360
2.85	0.01210	0.01100	0.01360
2.90	0.01210	0.01100	0.01360
2.95	0.01210	0.01100	0.01360
3.00	0.01210	0.01100	0.01360
3.05	0.01210	0.01100	0.01360
3.10	0.01210	0.01100	0.01360
3.15	0.01210	0.01100	0.01360
3.20	0.01210	0.01100	0.01360
3.25	0.01210	0.01108	0.01360
3.30	0.01211	0.01109	0.01361

[Pullup]			
voltage	I(typ)	I(min)	I(max)
0.00	0.01073	-0.00263	-0.00785
0.90	0.00587	-0.00488	-0.00830
0.95	0.00533	-0.00513	-0.00835
1.00	0.00480	-0.00535	-0.00840
1.05	0.00428	-0.00553	-0.00844
1.10	0.00377	-0.00570	-0.00849
1.15	0.00327	-0.00584	-0.00853
1.20	0.00278	-0.00597	-0.00858
1.25	0.00230	-0.00608	-0.00862

1.30	0.00184	-0.00618	-0.00866
1.35	0.00139	-0.00627	-0.00870
1.40	0.00095	-0.00634	-0.00874
1.45	0.00054	-0.00641	-0.00878
1.50	0.00014	-0.00647	-0.00882
1.55	-0.00023	-0.00652	-0.00886
1.60	-0.00057	-0.00656	-0.00889
1.65	-0.00088	-0.00660	-0.00892
1.70	-0.00116	-0.00663	-0.00895
1.75	-0.00139	-0.00666	-0.00898
1.80	-0.00160	-0.00669	-0.00900
1.85	-0.00176	-0.00671	-0.00902
1.90	-0.00188	-0.00673	-0.00904
1.95	-0.00198	-0.00674	-0.00905
2.00	-0.00206	-0.00676	-0.00907
2.05	-0.00211	-0.00677	-0.00908
2.10	-0.00211	-0.00678	-0.00908
2.15	-0.00211	-0.00679	-0.00909
2.20	-0.00211	-0.00679	-0.00910
2.25	-0.00214	-0.00680	-0.00910
2.30	-0.00214	-0.00681	-0.00911
2.35	-0.00214	-0.00681	-0.00911
2.40	-0.00214	-0.00682	-0.00912
2.45	-0.00214	-0.00683	-0.00912
2.50	-0.00214	-0.00683	-0.00913
2.55	-0.00215	-0.00684	-0.00913
2.60	-0.00215	-0.00685	-0.00914
2.65	-0.00215	-0.00687	-0.00915
2.70	-0.00215	-0.00689	-0.00916
2.75	-0.00215	-0.00691	-0.00917
2.80	-0.00216	-0.00695	-0.00919
2.85	-0.00216	-0.00700	-0.00922
2.90	-0.00217	-0.00707	-0.00926
2.95	-0.00218	-0.00717	-0.00933
3.00	-0.00219	-0.00729	-0.00943
3.05	-0.00222	-0.00745	-0.00959
3.10	-0.00226	-0.00765	-0.00981
3.15	-0.00233	-0.00789	-0.01010
3.20	-0.00245	-0.00818	-0.01050
3.25	-0.00263	-0.00851	-0.01100
3.30	-0.00264	-0.00852	-0.01101

[GND_clamp]			
voltage	I(typ)	I(min)	I(max)
-1.00	-0.52599	-1.04967	-0.41379
-0.90	-0.12002	-0.50751	-0.08415
-0.80	-0.01980	-0.13399	-0.03988
-0.70	-0.00997	-0.01920	-0.01389
-0.60	-0.00456	-0.00490	-0.00670
-0.50	-0.00138	-0.00172	-0.00213
-0.40	-0.00017	-0.00041	-0.00027
-0.30	0.00000	-0.00005	0.00000
-0.20	0.00000	0.00000	0.00000

1.40	0.00000	0.00000	0.00000
1.50	0.00000	0.00000	0.00001
1.60	0.00000	0.00000	0.00001
1.70	0.00000	0.00000	0.00001
1.80	0.00001	0.00000	0.00002
1.90	0.00001	0.00000	0.00002
2.00	0.00001	0.00000	0.00002
2.10	0.00001	0.00000	0.00002
2.20	0.00002	0.00001	0.00002
2.30	0.00002	0.00001	0.00003
2.40	0.00002	0.00002	0.00003
2.50	0.00003	0.00002	0.00004
2.60	0.00003	0.00002	0.00005
2.70	0.00004	0.00003	0.00005
2.80	0.00004	0.00003	0.00006
2.90	0.00005	0.00004	0.00007
3.00	0.00006	0.00004	0.00008
3.10	0.00006	0.00005	0.00010
3.20	0.00007	0.00005	0.00011
3.30	0.00008	0.00006	0.00012

|
|[POWER_clamp]

voltage	I(typ)	I(min)	I(max)
0.00	0.00008	0.00006	0.00012
6.30	0.00008	0.00006	0.00012

|
[Ramp]

variable	typ	min	max
dV/dt_r	0.293/0.676n	0.262/0.958n	0.332/0.571n
dV/dt_f	0.294/0.941n	0.263/1.420n	0.332/0.852n

R_load = 25.000

|
[Rising Waveform]

R_fixture = 25.000

V_fixture = 1.250

V_fixture_min = 1.250

V_fixture_max = 1.250

time	V(typ)	V(min)	V(max)
0.00E+00	0.954580	0.951100	0.921130
8.40E-10	0.954580	0.951100	0.921130
1.20E-09	0.954570	0.951080	0.921100
1.32E-09	0.954570	0.951080	0.921070
1.44E-09	0.954850	0.951080	0.910160
1.56E-09	0.951530	0.951070	0.899770
1.68E-09	0.941360	0.951300	0.917820
1.80E-09	0.938360	0.949530	0.973210
1.92E-09	0.938680	0.940910	0.998280
2.04E-09	0.950000	0.937010	1.001470
2.16E-09	0.986110	0.936830	1.053640
2.28E-09	1.012450	0.940430	1.221330
2.40E-09	1.027560	0.955200	1.313900
2.52E-09	1.045930	0.983350	1.344840

2.64E-09	1.103200	1.006400	1.355120
2.76E-09	1.205760	1.019540	1.374790
2.88E-09	1.300630	1.044820	1.447370
3.00E-09	1.324790	1.087410	1.469070
3.12E-09	1.335760	1.148180	1.473660
3.24E-09	1.349250	1.244980	1.472870
3.36E-09	1.383260	1.298630	1.470660
3.48E-09	1.418710	1.325140	1.468260
3.60E-09	1.439520	1.334190	1.466090
3.72E-09	1.443390	1.341210	1.464410
3.84E-09	1.442970	1.368350	1.463300
3.96E-09	1.441360	1.401590	1.462980
4.08E-09	1.439600	1.422730	1.462810
4.20E-09	1.437960	1.433330	1.462920
4.32E-09	1.436350	1.440490	1.463180
4.44E-09	1.434930	1.442780	1.463650
4.56E-09	1.434100	1.442620	1.464070
4.68E-09	1.433550	1.441530	1.464490
4.80E-09	1.433270	1.440270	1.465010
4.92E-09	1.433190	1.439200	1.465510
5.04E-09	1.433240	1.438090	1.466120
5.16E-09	1.433410	1.437400	1.466650
5.28E-09	1.433630	1.436790	1.467100
5.40E-09	1.433960	1.436410	1.467500
5.52E-09	1.434320	1.436120	1.467920
5.64E-09	1.434760	1.435920	1.468410
5.76E-09	1.435110	1.435830	1.468700
5.88E-09	1.435460	1.435870	1.469060
6.00E-09	1.435910	1.435960	1.469350
6.12E-09	1.436180	1.436110	1.469610
6.24E-09	1.436620	1.436340	1.469940
6.36E-09	1.436940	1.436540	1.470160
6.48E-09	1.437260	1.436770	1.470370
6.60E-09	1.437570	1.437030	1.470570
6.72E-09	1.437850	1.437270	1.470750
6.84E-09	1.438190	1.437620	1.470960
6.96E-09	1.438430	1.437890	1.471110
7.08E-09	1.438680	1.438200	1.471240
7.20E-09	1.438860	1.438440	1.471360
7.32E-09	1.439050	1.438690	1.471430
7.44E-09	1.439270	1.439020	1.471530
7.56E-09	1.439420	1.439310	1.471620
7.68E-09	1.439550	1.439490	1.471690
7.80E-09	1.439690	1.439710	1.471770
7.92E-09	1.439800	1.439910	1.471850
8.04E-09	1.439940	1.440170	1.471950
8.16E-09	1.440040	1.440310	1.472030
8.28E-09	1.440120	1.440510	1.472110
8.40E-09	1.440200	1.440680	1.472190
8.64E-09	1.440360	1.441020	1.472370
8.76E-09	1.440410	1.441150	1.472430
8.88E-09	1.440490	1.441270	1.472490
9.24E-09	1.440680	1.441620	1.472680
9.36E-09	1.440740	1.441710	1.472730

9.60E-09	1.440820	1.441880	1.472850
9.84E-09	1.440900	1.442030	1.472980
9.96E-09	1.440950	1.442080	1.473040
1.07E-08	1.441200	1.442300	1.473320
1.10E-08	1.441310	1.442400	1.473450
1.15E-08	1.441460	1.442510	1.473610
1.16E-08	1.441500	1.442550	1.473790
1.18E-08	1.441540	1.442580	1.473610
1.19E-08	1.441570	1.442610	1.473570
1.20E-08	1.441610	1.442640	1.473660
1.22E-08	1.441690	1.442710	1.473780
1.25E-08	1.441750	1.442760	1.473880
1.30E-08	1.441890	1.442870	1.474030
1.42E-08	1.442200	1.443140	1.474290
1.56E-08	1.442510	1.443360	1.474510
1.64E-08	1.442680	1.443490	1.474600
1.86E-08	1.442990	1.443810	1.474790
1.92E-08	1.443070	1.443870	1.474840
3.00E-08	1.443070	1.443870	1.474840

|

[Falling Waveform]

R_fixture = 25.000

V_fixture = 1.250

V_fixture_min = 1.250

V_fixture_max = 1.250

time	V(typ)	V(min)	V(max)
0.00E+00	1.443800	1.445130	1.443700
1.20E-10	1.443800	1.445130	1.443700
6.00E-10	1.443800	1.445130	1.443700
7.20E-10	1.443790	1.445130	1.443700
8.40E-10	1.443780	1.445120	1.443690
9.60E-10	1.443770	1.445120	1.443670
1.20E-09	1.443760	1.445100	1.443660
1.32E-09	1.443750	1.445100	1.443650
1.44E-09	1.443730	1.445220	1.443710
1.56E-09	1.442230	1.444470	1.441960
1.68E-09	1.450290	1.445010	1.450160
1.80E-09	1.447960	1.452460	1.446960
1.92E-09	1.432740	1.451220	1.431290
2.04E-09	1.399210	1.438560	1.398570
2.16E-09	1.347670	1.410800	1.342410
2.28E-09	1.333650	1.368140	1.329890
2.40E-09	1.316400	1.345070	1.309600
2.52E-09	1.296290	1.337520	1.286670
2.64E-09	1.227770	1.323550	1.208310
2.76E-09	1.167420	1.300520	1.142670
2.88E-09	1.115350	1.244460	1.104050
3.00E-09	1.080500	1.186010	1.074350
3.12E-09	1.045670	1.140080	1.035150
3.24E-09	1.005740	1.096120	0.996500
3.36E-09	0.991620	1.062750	0.985900
3.48E-09	0.982300	1.025220	0.979620
3.60E-09	0.976620	0.998450	0.975360

3.72E-09	0.972510	0.984120	0.971300
3.84E-09	0.968500	0.974630	0.967600
3.96E-09	0.966690	0.970870	0.965070
4.08E-09	0.963880	0.967910	0.963000
4.20E-09	0.961690	0.965020	0.961140
4.32E-09	0.959970	0.962720	0.959770
4.44E-09	0.958480	0.960530	0.958370
4.56E-09	0.957650	0.958840	0.957520
4.68E-09	0.956630	0.957660	0.956750
4.80E-09	0.955850	0.956120	0.956190
4.92E-09	0.955420	0.955260	0.955600
5.04E-09	0.954860	0.954180	0.955120
5.16E-09	0.954560	0.953250	0.954750
5.28E-09	0.954230	0.952780	0.954540
5.40E-09	0.953980	0.952260	0.954320
5.52E-09	0.953810	0.951880	0.954170
5.64E-09	0.953550	0.951490	0.953930
5.76E-09	0.953420	0.951170	0.953810
5.88E-09	0.953300	0.950950	0.953720
6.00E-09	0.953190	0.950770	0.953660
6.12E-09	0.953110	0.950590	0.953580
6.24E-09	0.953020	0.950400	0.953530
6.36E-09	0.952980	0.950280	0.953510
6.48E-09	0.952940	0.950180	0.953500
6.60E-09	0.952910	0.950090	0.953480
6.72E-09	0.952890	0.950010	0.953480
6.84E-09	0.952880	0.949930	0.953490
6.96E-09	0.952890	0.949880	0.953500
7.08E-09	0.952890	0.949830	0.953510
7.20E-09	0.952890	0.949790	0.953520
7.32E-09	0.952900	0.949750	0.953540
7.44E-09	0.952920	0.949730	0.953570
7.68E-09	0.952960	0.949690	0.953610
7.80E-09	0.952970	0.949680	0.953640
7.92E-09	0.952990	0.949670	0.953660
8.16E-09	0.953040	0.949670	0.953720
8.28E-09	0.953060	0.949680	0.953750
8.88E-09	0.953160	0.949720	0.953860
9.12E-09	0.953190	0.949740	0.953900
9.36E-09	0.953240	0.949770	0.953940
9.48E-09	0.953260	0.949780	0.953950
9.84E-09	0.953310	0.949820	0.954010
1.02E-08	0.953350	0.949860	0.954060
1.06E-08	0.953410	0.949890	0.954110
1.07E-08	0.953420	0.949900	0.954120
1.19E-08	0.953550	0.950020	0.954280
1.32E-08	0.953700	0.950130	0.954430
1.34E-08	0.953720	0.950150	0.954460
1.36E-08	0.953730	0.950150	0.954470
1.39E-08	0.953750	0.950180	0.954500
1.42E-08	0.953780	0.950200	0.954530
1.45E-08	0.953800	0.950220	0.954560
1.49E-08	0.953830	0.950250	0.954600
1.51E-08	0.953850	0.950260	0.954620

1.56E-08	0.953890	0.950300	0.954660
1.61E-08	0.953930	0.950330	0.954700
1.62E-08	0.953940	0.950330	0.954710
1.63E-08	0.953940	0.950340	0.954710
1.66E-08	0.953960	0.950360	0.954730
1.68E-08	0.953970	0.950370	0.954750
2.72E-08	0.954440	0.950810	0.955160
2.74E-08	0.954440	0.950810	0.955160
2.83E-08	0.954460	0.950840	0.955170
3.00E-08	0.954460	0.950840	0.955170

| End [Model] scsil60sxv33cn

=====
| Begin IBIS Accuracy Trailer
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| Correlation Level = 3

| Simulator(s) used in correlation:
| Mentor/Interconnectix Version 2.3.10
|
| Avanti/HSpice Version 2000.4

| Disclaimer: The data represented by these figures of merit are the result
| of a good-faith attempt to verify correlation between IBIS-
| based simulations and Spice simulations. All IBIS model
| correlations are
| to simulated Spice process decks.

SIMULATED TEST ENVIRONMENT

| SIMULATED MEASUREMENT CONDITIONS:

Parameter	Min	Typ	Max	Units
-----	---	---	---	-----
Vdd	3.00	3.30	3.60	V
Ta	100	25	0	C
T-line Zo		50		Ohms
T-line Tpd		153.6		ps/in
T-line length		8		in
Receiver capacitance		5		pF

| * indicates measured value

FIGURE OF MERIT (FOM) TABLE

[Model] scsil60sxv33cn

Meas.	Description	Corner	Overlay	Envelope	Process
-----	-----	-----	-----	-----	-----
3.2.4	T-line & rcv	typ	TBD%	n/a	n/a
	measured at	min	TBD%	n/a	n/a
	driver	max	TBD%	n/a	n/a
3.2.4	T-line & rcv	typ	TBD%	n/a	n/a
	measured at	min	TBD%	n/a	n/a
	receiver	max	TBD%	n/a	n/a

=====
 End IBIS Accuracy Trailer
 =====

 Model scsi160sxv33cp

[Model] scsi160sxv33cp
 Model_type I/O
 Vinl=0.8V
 Vinh=1.4V
 Vmeas=1.2V
 Enable Active-Low
 C_comp 1.095e-12 1.000e-12 2.270e-12

[Temperature Range] 25.000 0.125k 0.0000
 [Voltage Range] 3.300V 3.000V 3.600V

[Pulldown]

voltage	I(typ)	I(min)	I(max)
0.00	0.01190	0.01090	0.01330
1.35	0.01190	0.01090	0.01330
1.40	0.01190	0.01090	0.01330
1.45	0.01190	0.01090	0.01330
1.50	0.01200	0.01090	0.01330
1.55	0.01200	0.01100	0.01330
1.60	0.01200	0.01100	0.01330
1.65	0.01200	0.01100	0.01340
1.70	0.01200	0.01100	0.01340
1.75	0.01200	0.01100	0.01340
1.80	0.01200	0.01100	0.01340
1.85	0.01200	0.01100	0.01340
1.90	0.01200	0.01100	0.01340
1.95	0.01210	0.01100	0.01340
2.00	0.01210	0.01100	0.01340

2.05	0.01210	0.01100	0.01350
2.10	0.01210	0.01100	0.01350
2.15	0.01210	0.01100	0.01350
2.20	0.01210	0.01100	0.01350
2.25	0.01210	0.01100	0.01350
2.30	0.01210	0.01100	0.01350
2.35	0.01210	0.01100	0.01350
2.40	0.01210	0.01100	0.01350
2.45	0.01210	0.01100	0.01350
2.50	0.01210	0.01100	0.01350
2.55	0.01210	0.01100	0.01350
2.60	0.01210	0.01100	0.01350
2.65	0.01210	0.01100	0.01360
2.70	0.01210	0.01100	0.01360
2.75	0.01210	0.01100	0.01360
2.80	0.01210	0.01100	0.01360
2.85	0.01210	0.01100	0.01360
2.90	0.01210	0.01100	0.01360
2.95	0.01210	0.01100	0.01360
3.00	0.01210	0.01100	0.01360
3.05	0.01210	0.01100	0.01360
3.10	0.01210	0.01100	0.01360
3.15	0.01210	0.01100	0.01360
3.20	0.01210	0.01100	0.01360
3.25	0.01210	0.01108	0.01360
3.30	0.01211	0.01109	0.01361

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[Pullup]

voltage	I(typ)	I(min)	I(max)
0.00	0.01073	-0.00263	-0.00785
0.90	0.00587	-0.00488	-0.00830
0.95	0.00533	-0.00513	-0.00835
1.00	0.00480	-0.00535	-0.00840
1.05	0.00428	-0.00553	-0.00844
1.10	0.00377	-0.00570	-0.00849
1.15	0.00327	-0.00584	-0.00853
1.20	0.00278	-0.00597	-0.00858
1.25	0.00230	-0.00608	-0.00862
1.30	0.00184	-0.00618	-0.00866
1.35	0.00139	-0.00627	-0.00870
1.40	0.00095	-0.00634	-0.00874
1.45	0.00054	-0.00641	-0.00878
1.50	0.00014	-0.00647	-0.00882
1.55	-0.00023	-0.00652	-0.00886
1.60	-0.00057	-0.00656	-0.00889
1.65	-0.00088	-0.00660	-0.00892
1.70	-0.00116	-0.00663	-0.00895
1.75	-0.00139	-0.00666	-0.00898
1.80	-0.00160	-0.00669	-0.00900
1.85	-0.00176	-0.00671	-0.00902
1.90	-0.00188	-0.00673	-0.00904
1.95	-0.00198	-0.00674	-0.00905
2.00	-0.00206	-0.00676	-0.00907

2.05	-0.00211	-0.00677	-0.00908
2.10	-0.00211	-0.00678	-0.00908
2.15	-0.00211	-0.00679	-0.00909
2.20	-0.00211	-0.00679	-0.00910
2.25	-0.00214	-0.00680	-0.00910
2.30	-0.00214	-0.00681	-0.00911
2.35	-0.00214	-0.00681	-0.00911
2.40	-0.00214	-0.00682	-0.00912
2.45	-0.00214	-0.00683	-0.00912
2.50	-0.00214	-0.00683	-0.00913
2.55	-0.00215	-0.00684	-0.00913
2.60	-0.00215	-0.00685	-0.00914
2.65	-0.00215	-0.00687	-0.00915
2.70	-0.00215	-0.00689	-0.00916
2.75	-0.00215	-0.00691	-0.00917
2.80	-0.00216	-0.00695	-0.00919
2.85	-0.00216	-0.00700	-0.00922
2.90	-0.00217	-0.00707	-0.00926
2.95	-0.00218	-0.00717	-0.00933
3.00	-0.00219	-0.00729	-0.00943
3.05	-0.00222	-0.00745	-0.00959
3.10	-0.00226	-0.00765	-0.00981
3.15	-0.00233	-0.00789	-0.01010
3.20	-0.00245	-0.00818	-0.01050
3.25	-0.00263	-0.00851	-0.01100
3.30	-0.00264	-0.00852	-0.01101

[GND_clamp]			
voltage	I(typ)	I(min)	I(max)
-1.00	-0.52599	-1.04967	-0.41379
-0.90	-0.12002	-0.50751	-0.08415
-0.80	-0.01980	-0.13399	-0.03988
-0.70	-0.00997	-0.01920	-0.01389
-0.60	-0.00456	-0.00490	-0.00670
-0.50	-0.00138	-0.00172	-0.00213
-0.40	-0.00017	-0.00041	-0.00027
-0.30	0.00000	-0.00005	0.00000
-0.20	0.00000	0.00000	0.00000
1.40	0.00000	0.00000	0.00000
1.50	0.00000	0.00000	0.00001
1.60	0.00000	0.00000	0.00001
1.70	0.00000	0.00000	0.00001
1.80	0.00001	0.00000	0.00002
1.90	0.00001	0.00000	0.00002
2.00	0.00001	0.00000	0.00002
2.10	0.00001	0.00000	0.00002
2.20	0.00002	0.00001	0.00002
2.30	0.00002	0.00001	0.00003
2.40	0.00002	0.00002	0.00003
2.50	0.00003	0.00002	0.00004
2.60	0.00003	0.00002	0.00005
2.70	0.00004	0.00003	0.00005
2.80	0.00004	0.00003	0.00006

2.90	0.00005	0.00004	0.00007
3.00	0.00006	0.00004	0.00008
3.10	0.00006	0.00005	0.00010
3.20	0.00007	0.00005	0.00011
3.30	0.00008	0.00006	0.00012

[POWER_clamp]			
voltage	I(typ)	I(min)	I(max)
0.00	0.00008	0.00006	0.00012
6.30	0.00008	0.00006	0.00012

[Ramp]			
variable	typ	min	max
dV/dt_r	0.293/0.676n	0.262/0.958n	0.332/0.571n
dV/dt_f	0.294/0.941n	0.263/1.420n	0.332/0.852n

R_load = 25.000

[Rising Waveform]

R_fixture = 25.000

V_fixture = 1.250

V_fixture_min = 1.250

V_fixture_max = 1.250

time	V(typ)	V(min)	V(max)
0.00E+00	0.954580	0.951100	0.921130
8.40E-10	0.954580	0.951100	0.921130
1.20E-09	0.954570	0.951080	0.921100
1.32E-09	0.954570	0.951080	0.921070
1.44E-09	0.954850	0.951080	0.910160
1.56E-09	0.951530	0.951070	0.899770
1.68E-09	0.941360	0.951300	0.917820
1.80E-09	0.938360	0.949530	0.973210
1.92E-09	0.938680	0.940910	0.998280
2.04E-09	0.950000	0.937010	1.001470
2.16E-09	0.986110	0.936830	1.053640
2.28E-09	1.012450	0.940430	1.221330
2.40E-09	1.027560	0.955200	1.313900
2.52E-09	1.045930	0.983350	1.344840
2.64E-09	1.103200	1.006400	1.355120
2.76E-09	1.205760	1.019540	1.374790
2.88E-09	1.300630	1.044820	1.447370
3.00E-09	1.324790	1.087410	1.469070
3.12E-09	1.335760	1.148180	1.473660
3.24E-09	1.349250	1.244980	1.472870
3.36E-09	1.383260	1.298630	1.470660
3.48E-09	1.418710	1.325140	1.468260
3.60E-09	1.439520	1.334190	1.466090
3.72E-09	1.443390	1.341210	1.464410
3.84E-09	1.442970	1.368350	1.463300
3.96E-09	1.441360	1.401590	1.462980
4.08E-09	1.439600	1.422730	1.462810
4.20E-09	1.437960	1.433330	1.462920
4.32E-09	1.436350	1.440490	1.463180

4.44E-09	1.434930	1.442780	1.463650
4.56E-09	1.434100	1.442620	1.464070
4.68E-09	1.433550	1.441530	1.464490
4.80E-09	1.433270	1.440270	1.465010
4.92E-09	1.433190	1.439200	1.465510
5.04E-09	1.433240	1.438090	1.466120
5.16E-09	1.433410	1.437400	1.466650
5.28E-09	1.433630	1.436790	1.467100
5.40E-09	1.433960	1.436410	1.467500
5.52E-09	1.434320	1.436120	1.467920
5.64E-09	1.434760	1.435920	1.468410
5.76E-09	1.435110	1.435830	1.468700
5.88E-09	1.435460	1.435870	1.469060
6.00E-09	1.435910	1.435960	1.469350
6.12E-09	1.436180	1.436110	1.469610
6.24E-09	1.436620	1.436340	1.469940
6.36E-09	1.436940	1.436540	1.470160
6.48E-09	1.437260	1.436770	1.470370
6.60E-09	1.437570	1.437030	1.470570
6.72E-09	1.437850	1.437270	1.470750
6.84E-09	1.438190	1.437620	1.470960
6.96E-09	1.438430	1.437890	1.471110
7.08E-09	1.438680	1.438200	1.471240
7.20E-09	1.438860	1.438440	1.471360
7.32E-09	1.439050	1.438690	1.471430
7.44E-09	1.439270	1.439020	1.471530
7.56E-09	1.439420	1.439310	1.471620
7.68E-09	1.439550	1.439490	1.471690
7.80E-09	1.439690	1.439710	1.471770
7.92E-09	1.439800	1.439910	1.471850
8.04E-09	1.439940	1.440170	1.471950
8.16E-09	1.440040	1.440310	1.472030
8.28E-09	1.440120	1.440510	1.472110
8.40E-09	1.440200	1.440680	1.472190
8.64E-09	1.440360	1.441020	1.472370
8.76E-09	1.440410	1.441150	1.472430
8.88E-09	1.440490	1.441270	1.472490
9.24E-09	1.440680	1.441620	1.472680
9.36E-09	1.440740	1.441710	1.472730
9.60E-09	1.440820	1.441880	1.472850
9.84E-09	1.440900	1.442030	1.472980
9.96E-09	1.440950	1.442080	1.473040
1.07E-08	1.441200	1.442300	1.473320
1.10E-08	1.441310	1.442400	1.473450
1.15E-08	1.441460	1.442510	1.473610
1.16E-08	1.441500	1.442550	1.473790
1.18E-08	1.441540	1.442580	1.473610
1.19E-08	1.441570	1.442610	1.473570
1.20E-08	1.441610	1.442640	1.473660
1.22E-08	1.441690	1.442710	1.473780
1.25E-08	1.441750	1.442760	1.473880
1.30E-08	1.441890	1.442870	1.474030
1.42E-08	1.442200	1.443140	1.474290
1.56E-08	1.442510	1.443360	1.474510

1.64E-08	1.442680	1.443490	1.474600
1.86E-08	1.442990	1.443810	1.474790
1.92E-08	1.443070	1.443870	1.474840
3.00E-08	1.443070	1.443870	1.474840

|
[Falling Waveform]

R_fixture = 25.000

V_fixture = 1.250

V_fixture_min = 1.250

V_fixture_max = 1.250

time	V(typ)	V(min)	V(max)
0.00E+00	1.443800	1.445130	1.443700
1.20E-10	1.443800	1.445130	1.443700
6.00E-10	1.443800	1.445130	1.443700
7.20E-10	1.443790	1.445130	1.443700
8.40E-10	1.443780	1.445120	1.443690
9.60E-10	1.443770	1.445120	1.443670
1.20E-09	1.443760	1.445100	1.443660
1.32E-09	1.443750	1.445100	1.443650
1.44E-09	1.443730	1.445220	1.443710
1.56E-09	1.442230	1.444470	1.441960
1.68E-09	1.450290	1.445010	1.450160
1.80E-09	1.447960	1.452460	1.446960
1.92E-09	1.432740	1.451220	1.431290
2.04E-09	1.399210	1.438560	1.398570
2.16E-09	1.347670	1.410800	1.342410
2.28E-09	1.333650	1.368140	1.329890
2.40E-09	1.316400	1.345070	1.309600
2.52E-09	1.296290	1.337520	1.286670
2.64E-09	1.227770	1.323550	1.208310
2.76E-09	1.167420	1.300520	1.142670
2.88E-09	1.115350	1.244460	1.104050
3.00E-09	1.080500	1.186010	1.074350
3.12E-09	1.045670	1.140080	1.035150
3.24E-09	1.005740	1.096120	0.996500
3.36E-09	0.991620	1.062750	0.985900
3.48E-09	0.982300	1.025220	0.979620
3.60E-09	0.976620	0.998450	0.975360
3.72E-09	0.972510	0.984120	0.971300
3.84E-09	0.968500	0.974630	0.967600
3.96E-09	0.966690	0.970870	0.965070
4.08E-09	0.963880	0.967910	0.963000
4.20E-09	0.961690	0.965020	0.961140
4.32E-09	0.959970	0.962720	0.959770
4.44E-09	0.958480	0.960530	0.958370
4.56E-09	0.957650	0.958840	0.957520
4.68E-09	0.956630	0.957660	0.956750
4.80E-09	0.955850	0.956120	0.956190
4.92E-09	0.955420	0.955260	0.955600
5.04E-09	0.954860	0.954180	0.955120
5.16E-09	0.954560	0.953250	0.954750
5.28E-09	0.954230	0.952780	0.954540
5.40E-09	0.953980	0.952260	0.954320

5.52E-09	0.953810	0.951880	0.954170
5.64E-09	0.953550	0.951490	0.953930
5.76E-09	0.953420	0.951170	0.953810
5.88E-09	0.953300	0.950950	0.953720
6.00E-09	0.953190	0.950770	0.953660
6.12E-09	0.953110	0.950590	0.953580
6.24E-09	0.953020	0.950400	0.953530
6.36E-09	0.952980	0.950280	0.953510
6.48E-09	0.952940	0.950180	0.953500
6.60E-09	0.952910	0.950090	0.953480
6.72E-09	0.952890	0.950010	0.953480
6.84E-09	0.952880	0.949930	0.953490
6.96E-09	0.952890	0.949880	0.953500
7.08E-09	0.952890	0.949830	0.953510
7.20E-09	0.952890	0.949790	0.953520
7.32E-09	0.952900	0.949750	0.953540
7.44E-09	0.952920	0.949730	0.953570
7.68E-09	0.952960	0.949690	0.953610
7.80E-09	0.952970	0.949680	0.953640
7.92E-09	0.952990	0.949670	0.953660
8.16E-09	0.953040	0.949670	0.953720
8.28E-09	0.953060	0.949680	0.953750
8.88E-09	0.953160	0.949720	0.953860
9.12E-09	0.953190	0.949740	0.953900
9.36E-09	0.953240	0.949770	0.953940
9.48E-09	0.953260	0.949780	0.953950
9.84E-09	0.953310	0.949820	0.954010
1.02E-08	0.953350	0.949860	0.954060
1.06E-08	0.953410	0.949890	0.954110
1.07E-08	0.953420	0.949900	0.954120
1.19E-08	0.953550	0.950020	0.954280
1.32E-08	0.953700	0.950130	0.954430
1.34E-08	0.953720	0.950150	0.954460
1.36E-08	0.953730	0.950150	0.954470
1.39E-08	0.953750	0.950180	0.954500
1.42E-08	0.953780	0.950200	0.954530
1.45E-08	0.953800	0.950220	0.954560
1.49E-08	0.953830	0.950250	0.954600
1.51E-08	0.953850	0.950260	0.954620
1.56E-08	0.953890	0.950300	0.954660
1.61E-08	0.953930	0.950330	0.954700
1.62E-08	0.953940	0.950330	0.954710
1.63E-08	0.953940	0.950340	0.954710
1.66E-08	0.953960	0.950360	0.954730
1.68E-08	0.953970	0.950370	0.954750
2.72E-08	0.954440	0.950810	0.955160
2.74E-08	0.954440	0.950810	0.955160
2.83E-08	0.954460	0.950840	0.955170
3.00E-08	0.954460	0.950840	0.955170

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| End [Model] scsil60sxxv33cp

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| Begin IBIS Accuracy Trailer

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Correlation Level = 3

Simulator(s) used in correlation:
Mentor/Interconnectix Version 2.3.10

Avanti/HSpice Version 2000.4

Disclaimer: The data represented by these figures of merit are the result of a good-faith attempt to verify correlation between IBIS-based simulations and Spice simulations. All IBIS model correlations are to simulated Spice process decks.

SIMULATED TEST ENVIRONMENT

SIMULATED MEASUREMENT CONDITIONS:

Parameter	Min	Typ	Max	Units
-----	---	---	---	-----
Vdd	3.00	3.30	3.60	V
Ta	100	25	0	C
T-line Zo		50		Ohms
T-line Tpd		153.6		ps/in
T-line length		8		in
Receiver capacitance		5		pF

* indicates measured value

FIGURE OF MERIT (FOM) TABLE

[Model] scsil60sxv33cp

Meas.	Description	Corner	Overlay	Envelope	Process
-----	-----	-----	-----	-----	-----
3.2.4	T-line & rcv	typ	TBD%	n/a	n/a
	measured at	min	TBD%	n/a	n/a
	driver	max	TBD%	n/a	n/a
3.2.4	T-line & rcv	typ	TBD%	n/a	n/a
	measured at	min	TBD%	n/a	n/a
	receiver	max	TBD%	n/a	n/a

=====


```
| End IBIS Accuracy Trailer
|=====
|
| End [Component] scsi160sxy33c
|
[End]
```