

Supplemental Information

This Document Errata reflects changes made on the datasheet for device 854S006I.

Revision History

January 27, 2010: First version of documentation errata for this device. There is no change to the actual characteristics or design of the device. This is only a change to the datasheet to correct a datasheet error.

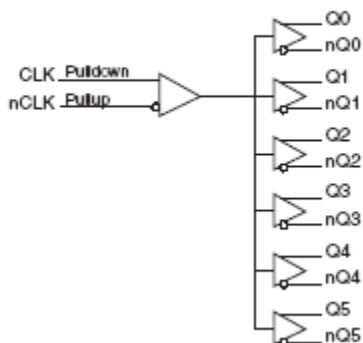
Errata Items

PAGE	DESCRIPTION OF CHANGE
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Page 1	Block Diagram. Update Pullup and Pulldown of CLK and nCLK on the block diagram
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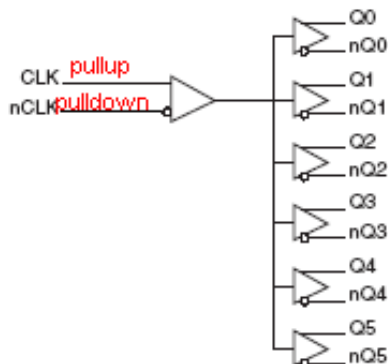
FROM

BLOCK DIAGRAM



TO

BLOCK DIAGRAM



Page 2	Table 1. Pin Descriptions
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Update the Pullup and Pulldown on CLK and nCLK under column type in Table 1. (Illustrated in Page 2)

Page 3	Table 4C. Differential DC Characteristics
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Update the spec for input leakage current to reflect correct Pullup and Pulldown pins and Sage process. (Illustrated in Page 2)

FROM

TABLE 1. PIN DESCRIPTIONS

Number	Name	Type	Description
1	nCLK	Input Pullup	Inverting differential clock input.
2	CLK	Input Pulldown	Non-inverting differential clock input.

TABLE 4C. DIFFERENTIAL DC CHARACTERISTICS, $V_{DD} = V_{DDO} = 3.3V \pm 5\%$ OR $2.5V \pm 5\%$, $T_A = -40^\circ C$ TO $85^\circ C$

Symbol	Parameter	Test Conditions	Minimum	Typical	Maximum	Units
I_{IH}	Input High Current	CLK $V_{DD} = V_{IN} = 3.465V$ or $2.625V$			150	μA
		nCLK $V_{DD} = 3.465V$ or $2.625V$, $V_{IN} = 0V$			5	μA
I_{IL}	Input Low Current	CLK $V_{DD} = V_{IN} = 3.465V$ or $2.625V$	-5			μA
		nCLK $V_{DD} = 3.465V$ or $2.625V$, $V_{IN} = 0V$	-150			μA

TO:

TABLE 1. PIN DESCRIPTIONS

Number	Name	Type	Description
1	nCLK	Input pulldown	Inverting differential clock input.
2	CLK	Input pullup	Non-inverting differential clock input.

TABLE 4C. DIFFERENTIAL DC CHARACTERISTICS, $V_{DD} = V_{DDO} = 3.3V \pm 5\%$ OR $2.5V \pm 5\%$, $T_A = -40^\circ C$ TO $85^\circ C$

Symbol	Parameter	Test Conditions	Minimum	Typical	Maximum	Units
I_{IH}	Input High Current	nCLK $V_{DD} = V_{IN} = 3.465V$ or $2.625V$			150	μA
		CLK $V_{DD} = 3.465V$ or $2.625V$, $V_{IN} = 0V$			10	μA
I_{IL}	Input Low Current	nCLK $V_{DD} = V_{IN} = 3.465V$ or $2.625V$	-10			μA
		CLK $V_{DD} = 3.465V$ or $2.625V$, $V_{IN} = 0V$	-150			μA