

CADENCE DESIGN SYSTEMS INC

Form 424B3

January 10, 2008

**Filed under Rule 424(b)(3) and (7) of the Securities Act of 1933,
relating to Registration No. 333-145000
Supplement No. 4
to Prospectus Dated July 31, 2007 and Prospectus Supplement Dated August 1, 2007
of
CADENCE DESIGN SYSTEMS, INC.
Relating to
\$250,000,000 1.375% Convertible Senior Notes Due 2011
\$250,000,000 1.500% Convertible Senior Notes Due 2013
and
Shares of Common Stock Issuable upon Conversion of the Notes**

This supplement no. 4 relates to the resale by selling securityholders of Cadence's 1.375% Convertible Senior Notes Due 2011 (the 2011 Notes) and 1.500% Convertible Senior Notes Due 2013 (the 2013 Notes) and, together with the 2011 Notes, the Notes) and the shares of Cadence common stock issuable upon conversion of the notes.

You should read this supplement no. 4 in conjunction with the prospectus dated July 31, 2007, the prospectus supplement dated August 1, 2007, supplement no. 1 to the prospectus supplement dated September 4, 2007, supplement no. 2 to the prospectus supplement dated October 3, 2007 and supplement no. 3 to the prospectus supplement dated November 16, 2007, which should be delivered in conjunction with this supplement. This supplement is not complete without, and may not be delivered or used except in conjunction with, the prospectus and prospectus supplement, including supplement nos. 1, 2 and 3. This supplement is qualified by reference to the prospectus and prospectus supplement, except to the extent that the information provided by this supplement supersedes information contained in the prospectus supplement and supplement nos. 1, 2 and 3.

Investing in the notes and the common stock issuable upon conversion of the notes involves risk. See the discussion entitled Risk Factors beginning on page S-6 of the prospectus supplement dated August 1, 2007.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this supplement, the prospectus dated July 31, 2007, or the prospectus supplement dated August 1, 2007. Any representation to the contrary is a criminal offense.

The tables under the caption Selling Securityholders beginning on page S-6 of the prospectus supplement are hereby supplemented and amended by adding certain selling securityholders identified in the tables below. We prepared these tables based on information supplied to us by the selling securityholders named in the tables below on or prior to January 9, 2008. Information about the selling securityholders may change over time. If required, any changed or new information given to us will be set forth in supplements to the prospectus supplement or amendments to the registration statement of which this supplement is a part, if and when necessary.

We have assumed for purposes of the tables below that the selling securityholders will sell all of the notes and all of the common stock issuable upon conversion of the notes pursuant to this supplement, the prospectus supplement dated August 1, 2007, and the prospectus dated July 31, 2007, and that any other shares of our common stock beneficially owned by the selling securityholder will continue to be beneficially owned.

Except as set forth below, the selling securityholders listed in the tables below do not have, nor within the past three years have had, any position, office or other material relationship with us or any of our predecessors or affiliates.

The selling securityholders identified below may have sold, transferred or otherwise disposed of, pursuant to transactions exempt from the registration requirements of the Securities Act of 1933, as amended, all or a portion of its notes since the date on which it provided the information regarding its notes.

SELLING SECURITYHOLDERS OF THE 2011 NOTES

Name of Selling Securityholder	Principal		Number of Shares of Common	Number of Shares of Common	Number of Shares of Common	
	Amount of Notes Beneficially Owned and Offered (USD)(4)	Percentage of Notes Outstanding (%)	Number of Shares of Common	Number of Shares of Common	Common Stock Beneficially Owned after the Offering(2)(3)	Natural Person(s) with Voting or Investment Power
Wachovia Capital Markets LLC (#)	215,000	*	10,165	10,165	0	(5)

* Less than one percent (1%).

The selling securityholder is a registered broker-dealer.

+ The selling securityholder is an affiliate of a registered broker-dealer.

(1) Assumes conversion of all of the holder's notes at a conversion rate of 47.2813 shares of common stock per \$1,000 principal amount at maturity of the notes. This conversion rate is subject to adjustment as

described under

Description of	Notes	Conversion
	Rights.	As a
		result, the number
		of shares of
		common stock
		issuable upon
		conversion of the
		notes may
		increase or
		decrease in the
		future. Further,
		pursuant to the
		terms of the
		notes, upon
		conversion we
		will pay cash and
		shares of our
		common stock, if
		any, based on a
		daily settlement
		amount
		calculated on a
		proportionate
		basis for each day
		of the relevant 20
		trading-day
		observation
		period.
		Accordingly, the
		number of shares
		of our common
		stock we would
		actually deliver
		upon conversion
		of any notes
		would be lower
		than the numbers
		shown for any
		holder of notes in
		the table above.
		The numbers of
		shares set forth in
		the table above
		exclude shares of
		common stock
		that may be
		issued as
		described under
		Description of

Notes

Adjustment to
Shares Delivered
upon Conversion
Upon a
Fundamental
Change and the
fractional shares.
Holders will
receive a cash
adjustment for
any fractional
share amount
resulting from
conversion of the
notes, as
described under
Description of
Notes
Conversion
Rights.

- (2) The number of
shares of
common stock
beneficially
owned by each
holder named
above is less than
1% of our
outstanding
common stock,
calculated based
on 277,528,689
shares of
common stock
outstanding as of
June 30, 2007. In
calculating this
amount for each
holder, we treated
as outstanding the
number of shares
of common stock
issuable upon
conversion of all
of that holder's
notes, but we did
not assume
conversion of any
other holder's

notes.

- (3) For the purposes of computing the number and percentage of notes and shares to be held by the selling securityholders after the conclusion of the offering, we have assumed for purposes of the table above that the selling securityholder named above will sell all of the notes and all of the common stock issuable upon conversion of the notes offered by this supplement no. 4, supplement nos. 1, 2 and 3, the prospectus supplement dated August 1, 2007 and the prospectus dates July 31, 2007, and that any other shares of our common stock beneficially owned by the selling securityholder will continue to be beneficially owned. We also assume that unnamed holders of notes, or any future transferees, pledgees, donees or successors of

from any such holder, do not beneficially own any common stock other than that issuable upon conversion of the notes.

(4) The maximum principal amount of 2011 Notes that may be sold under the prospectus dated July 31, 2007, the prospectus supplement dated August 1, 2007 and all supplements thereto will not exceed \$250,000,000.

(5) Selling securityholder indicates that Wachovia Capital Markets LLC is a wholly-owned subsidiary of SEC reporting company, Wachovia Corp.

SELLING SECURITYHOLDERS OF THE 2013 NOTES

Name of Selling Securityholder	Principal Amount of Notes Beneficially Owned and Offered (USD)(4)	Percentage of Notes Outstanding (%)	Number of Shares of Common Stock Beneficially Owned(1)(2)	Number of Shares of Common Stock Offered (1)	Number of Shares of Common Stock Beneficially Owned after the Offering(2)(3)	Natural Person(s) with Voting or Investment Power
Redbrick Capital Master Fat Tail Fund, Ltd.	30,000,000	12.0	1,418,439	1,418,439	0	Jeff Baum or Tony Morgan

* Less than one percent (1%).

The selling securityholder is a registered broker-dealer.

+ The selling securityholder is an affiliate of a registered broker-dealer.

(1) Assumes conversion of all of the holder's notes at a conversion rate of 47.2813 shares of common stock per \$1,000 principal amount at maturity of the notes. This conversion rate is subject to adjustment as described under Description of Notes Conversion Rights. As a

result, the number of shares of common stock issuable upon conversion of the notes may increase or decrease in the future. Further, pursuant to the terms of the notes, upon conversion we will pay cash and shares of our common stock, if any, based on a daily settlement amount calculated on a proportionate basis for each day of the relevant 20 trading-day observation period.

Accordingly, the number of shares of our common stock we would actually deliver upon conversion of any notes would be lower than the numbers shown for any holder of notes in the table above.

The numbers of shares set forth in the table above exclude shares of common stock that may be issued as described under

Description of
Notes

Adjustment to
Shares Delivered
upon Conversion

Upon a
Fundamental
Change and the
fractional shares.
Holders will
receive a cash
adjustment for
any fractional
share amount
resulting from
conversion of the
notes, as
described under
Description of
Notes
Conversion
Rights.

- (2) The number of
shares of
common stock
beneficially
owned by each
holder named
above is less than
1% of our
outstanding
common stock,
calculated based
on 277,528,689
shares of
common stock
outstanding as of
June 30, 2007. In
calculating this
amount for each
holder, we treated
as outstanding the
number of shares
of common stock
issuable upon
conversion of all
of that holder's
notes, but we did
not assume
conversion of any
other holder's
notes.
- (3) For the purposes
of computing the

number and percentage of notes and shares to be held by the selling securityholders after the conclusion of the offering, we have assumed for purposes of the table above that the selling securityholder named above will sell all of the notes and all of the common stock issuable upon conversion of the notes offered by this supplement no. 4, supplement nos. 1, 2 and 3, the prospectus supplement dated August 1, 2007 and the prospectus dates July 31, 2007, and that any other shares of our common stock beneficially owned by the selling securityholder will continue to be beneficially owned. We also assume that unnamed holders of notes, or any future transferees, pledgees, donees or successors of from any such holder, do not beneficially own any common

stock other than
that issuable upon
conversion of the
notes.

- (4) The maximum
principal amount
of 2013 Notes
that may be sold
under the
prospectus dated
July 31, 2007, the
prospectus
supplement dated
August 1, 2007
and all
supplements
thereto will not
exceed
\$250,000,000.

The date of this supplement no. 4 is January 10, 2008.