

CADENCE DESIGN SYSTEMS INC  
 Form 4  
 September 21, 2007

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL  
 OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 Miller James S JR

2. Issuer Name and Ticker or Trading Symbol  
 CADENCE DESIGN SYSTEMS INC [CDNS]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
 2655 SEELY AVENUE, BLDG. 5  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 09/20/2007

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 Executive Vice President, PTO

SAN JOSE,, CA 95134

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount (A) or (D) Price		
Common Stock	09/20/2007		M		5,000 (1) A \$ 13.1	266,240	D
Common Stock	09/20/2007		M		75,000 (1) A \$ 13.605	341,240	D
Common Stock	09/20/2007		S		500 (1) D \$ 22.09	340,740	D
Common Stock	09/20/2007		S		10,000 (1) D \$ 21.98	330,740	D
Common Stock	09/20/2007		S		12,000 (1) D \$ 21.97	318,740	D

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Common Stock	09/20/2007	S	<u>7,500</u> (1)	D	\$ 21.96	311,240	D
Common Stock	09/20/2007	S	<u>10,000</u> (1)	D	\$ 21.95	301,240	D
Common Stock	09/20/2007	S	<u>3,000</u> (1)	D	\$ 21.94	298,240	D
Common Stock	09/20/2007	S	<u>7,500</u> (1)	D	\$ 21.93	290,740	D
Common Stock	09/20/2007	S	<u>2,500</u> (1)	D	\$ 21.92	288,240	D
Common Stock	09/20/2007	S	<u>2,500</u> (1)	D	\$ 21.88	285,740	D
Common Stock	09/20/2007	S	<u>2,500</u> (1)	D	\$ 21.87	283,240	D
Common Stock	09/20/2007	S	<u>2,500</u> (1)	D	\$ 21.86	280,740	D
Common Stock	09/20/2007	S	<u>5,000</u> (1)	D	\$ 21.84	275,740	D
Common Stock	09/20/2007	S	500 <u>(1)</u>	D	\$ 21.83	275,240	D
Common Stock	09/20/2007	S	<u>2,500</u> (1)	D	\$ 21.82	272,740	D
Common Stock	09/20/2007	S	<u>2,500</u> (1)	D	\$ 21.78	270,240	D
Common Stock	09/20/2007	S	<u>9,000</u> (1)	D	\$ 21.76	261,240	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)
				Code	V (A) (D)		Title

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					Date Exercisable	Expiration Date		Amount or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 13.1	09/20/2007	M	5,000	(2)	09/17/2014	Common Stock	5,000
Non-Qualified Stock Option (right to buy)	\$ 13.605	09/20/2007	M	75,000	(3)	02/14/2015	Common Stock	75,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Miller James S JR 2655 SEELY AVENUE, BLDG. 5 SAN JOSE,, CA 95134			Executive Vice President, PTO	

## Signatures

R.L. Smith McKeithen, Attorney-in-Fact for James S. Miller, Jr. 09/20/2007

\_\_Signature of Reporting Person
Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Transactions reported in this Form 4 were effected pursuant to a Rule 10b5-1 Trading Plan adopted by the reporting person on September 13, 2007.
- (2) Option was granted on September 14, 2004 and is vesting at a rate of 25% on September 14, 2005 and 1/48th thereafter.
- (3) Option was granted on February 14, 2005 and is vesting at a rate of 1/48th per month.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.