

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934
(Amendment No.)*

CYPRESS SEMICONDUCTOR CORPORATION

(Name of Issuer)

Common Stock

(Title of Class of Securities)

232806109

(CUSIP Number)

October 6, 2006

(Date of Event which Requires Filing
of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Page 1 of 10

CUSIP No. 232806109

13G

Page 2 of 10 Pages

1 NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

S.A.C. Capital Advisors, LLC

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

0.2%+ (see Item 4)

12 TYPE OF REPORTING PERSON*

00

*SEE INSTRUCTION BEFORE FILLING OUT

Page 4 of 10

CUSIP No. 232806109

13G

Page 5 of 10 Pages

1 NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Steven A. Cohen

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) []

(b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

0

NUMBER OF
SHARES
BENEFICIALLY
OWNED
BY
EACH
REPORTING
PERSON
WITH

6 SHARED VOTING POWER

7,795,960** (see Item 4)

7 SOLE DISPOSITIVE POWER

0

8 SHARED DISPOSITIVE POWER

7,795,960** (see Item 4)

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

7,795,960** (see Item 4)

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.4%** (see Item 4)

12 TYPE OF REPORTING PERSON*

IN

*SEE INSTRUCTION BEFORE FILLING OUT

Page 5 of 10

Item 1(a)

Name of Issuer:

Cypress Semiconductor Corporation

Item 1(b)

Address of Issuer's Principal Executive Offices:

198 Champion Court
San Jose, CA 95134

Items 2(a)

Name of Person Filing:

This statement is filed by: (i) S.A.C. Capital Advisors, LLC, ("SAC Capital Advisors") with respect to shares of common stock ("Shares") of the Issuer beneficially owned by S.A.C. Capital Associates, LLC ("SAC Capital Associates"), S.A.C. Arbitrage Fund, LLC ("SAC Arbitrage") and S.A.C. Select Fund, LLC ("SAC Select"); (ii) S.A.C. Capital Management, LLC, ("SAC Capital Management") with respect to Shares beneficially owned by SAC Capital Associates, SAC Arbitrage and SAC Select; (iii) Canvas Capital Management, LP ("Canvas Capital Management") with respect to Shares beneficially owned by Canvas Capital Associates, LLC ("Canvas Capital Associates"); and (iv) Steven A. Cohen with respect to Shares beneficially owned by SAC Capital Advisors, SAC Capital Management, SAC Associates, SAC Arbitrage, SAC Select, Canvas Capital Management and Canvas Capital Associates.

Item 2(b)

Address of Principal Business Office:

The address of the principal business office of (i) SAC Capital Advisors and Mr. Cohen is 72 Cummings Point Road, Stamford, Connecticut 06902, (ii) SAC Capital Management is 540 Madison Avenue, New York, New York 10022, and (iii) Canvas Capital Management is 101 California Street, Suite 4225, San Francisco, California 94111.

Item 2(c)

Citizenship:

SAC Capital Advisors and SAC Capital Management are Delaware limited liability companies. Canvas Capital Management is a Delaware limited partnership. Mr. Cohen is a United States citizen.

Item 2(d)

Title of Class of Securities:

Common Stock

Item 2(e)

CUSIP Number:

232806109

Item 3

Not Applicable

Item 4

Ownership:

The percentages used herein are calculated based upon the Shares issued and outstanding as of August 1, 2006 as reported on the Issuer's quarterly report on Form 10-Q with the Securities and Exchange Commission by the Issuer for the quarterly period ended July 2, 2006.

As of the close of business on October 6, 2006:

1. S.A.C. Capital Advisors, LLC

- (a) Amount beneficially owned: 7,495,960*
- (b) Percent of class: 5.2%*
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 7,495,960*
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 7,495,960*

2. S.A.C. Capital Management, LLC

- (a) Amount beneficially owned: 7,495,960*
- (b) Percent of class: 5.2 %*
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 7,495,960*
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 7,495,960*

Page 7 of 10

3. Canvas Capital Management, LP

- (a) Amount beneficially owned: 300,000+
- (b) Percent of class: 0.2 %+
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 300,000+
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 300,000+

4. Steven A. Cohen

- (a) Amount beneficially owned: 7,795,960* +
- (b) Percent of class: 5.4*+%
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 7,795,960* +
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 7,795,960* +

* The number of shares reported herein includes 1,655,160 Shares issuable upon conversion of \$30 million aggregate principal amount of the Issuer's 1.25% Convertible Subordinated Plus Cash Notes due June 15, 2008 held by SAC Arbitrage.

+ The number of shares reported herein includes 50,000 Shares issuable upon exercise of options held by Canvas Capital Associates.

SAC Capital Advisors, SAC Capital Management, Canvas Capital Management and Mr. Cohen own directly no Shares. Pursuant to investment agreements, each of SAC Capital Advisors and SAC Capital Management share all investment and voting power with respect to the securities held by SAC Capital Associates, SAC Arbitrage and SAC Select. Pursuant to Canvas Capital Associates' operating agreement, Canvas Capital Management maintains investment and voting power with respect to the securities held by Canvas Capital Associates. Mr. Cohen controls each of SAC Capital Advisors, SAC Capital Management and Canvas Capital Management. By reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934, as amended, each of (i) SAC Capital Advisors, SAC

Capital Management and Mr. Cohen may be deemed to own beneficially 7,495,960* Shares (constituting approximately 5.2%* of the Shares outstanding) and (ii) Canvas Capital Management and Mr. Cohen may be deemed to own beneficially 300,000+ Shares (constituting approximately 0.2%+ of the Shares outstanding). Each of SAC Capital Advisors, SAC Capital Management, Canvas Capital Management, and Mr. Cohen disclaim beneficial ownership of any of the securities covered by this statement.

Page 8 of 10

Item 5 Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following. []

Item 6 Ownership of More than Five Percent on Behalf of Another

Person:

Not Applicable

Item 7 Identification and Classification of the

Subsidiary Which Acquired the Security Being

Reported on By the Parent Holding Company:

Not Applicable

Item 8 Identification and Classification of Members

of the Group:

Not Applicable

Item 9 Notice of Dissolution of Group:

Not Applicable

Item 10 Certification:

By signing below the signatory certifies that, to the best of his knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Page 9 of 10

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and

correct.

Dated: October 17, 2006

S.A.C. CAPITAL ADVISORS, LLC

By: /s/ Peter Nussbaum

Name: Peter Nussbaum
Title: Authorized Person

S.A.C. CAPITAL MANAGEMENT, LLC

By: /s/ Peter Nussbaum

Name: Peter Nussbaum
Title: Authorized Person

CANVAS CAPITAL MANAGEMENT, LP

By: /s/ Peter Nussbaum

Name: Peter Nussbaum
Title: Authorized Person

STEVEN A. COHEN

By: /s/ Peter Nussbaum

Name: Peter Nussbaum
Title: Authorized Person