

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

SCHEDULE 13G  
Under the Securities Exchange Act of 1934

Silicon Laboratories Inc.

(Name of Issuer)

Common Stock, \$0.0001 par value

(Title of Class of Securities)

826919102

(CUSIP Number)

December 31, 2004

(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)

Page 1 of 11 pages

CUSIP No. 826919102

13G

1. Name of Reporting Person  
I.R.S. Identification No. of above Person  
Goldman, Sachs & Co.

2. Check the Appropriate Box if a Member of a Group  
(a)   
(b)

3. SEC Use Only

4. Citizenship or Place of Organization  
New York

5. Sole Voting Power

Number of

0

Shares -----  
Beneficially 6. Shared Voting Power  
Owned by 78,946  
Each -----  
Reporting 7. Sole Dispositive Power  
Person 0  
With: -----  
8. Shared Dispositive Power  
2,945,974

-----  
9. Aggregate Amount Beneficially Owned by Each Reporting Person  
2,945,974

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares  
[ ]

-----  
11. Percent of Class Represented by Amount in Row (9)  
5.7%

-----  
12. Type of Reporting Person  
BD-PN-IA  
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CUSIP No. 826919102  
-----

13G

-----  
1. Name of Reporting Person  
I.R.S. Identification No. of above Person

The Goldman Sachs Group, Inc.

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2. Check the Appropriate Box if a Member of a Group

(a)   
(b)

-----  
3. SEC Use Only

-----  
4. Citizenship or Place of Organization

Delaware

-----  
5. Sole Voting Power

Number of  
Shares

0

Beneficially

-----  
6. Shared Voting Power

78,946

Owned by

Each

-----  
7. Sole Dispositive Power

Reporting

0

Person

-----  
8. Shared Dispositive Power

With:

2,945,974

-----  
9. Aggregate Amount Beneficially Owned by Each Reporting Person

2,945,974

-----  
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares

-----  
11. Percent of Class Represented by Amount in Row (9)

5.7%

-----  
12. Type of Reporting Person

HC-CO  
-----

- Item 1(a). Name of Issuer:  
Silicon Laboratories Inc.
- Item 1(b). Address of Issuer's Principal Executive Offices:  
4635 Boston Lane  
Austin, Texas 78735
- Item 2(a). Name of Persons Filing:  
Goldman, Sachs & Co.  
and The Goldman Sachs Group, Inc.
- Item 2(b). Address of Principal Business Office or, if none, Residence:  
85 Broad Street  
New York, NY 10004
- Item 2(c). Citizenship:  
Goldman, Sachs & Co. - New York  
The Goldman Sachs Group, Inc. - Delaware
- Item 2(d). Title of Class of Securities:  
Common Stock, \$0.0001 par value
- Item 2(e). CUSIP Number:  
826919102
- Item 3. If this statement is filed pursuant to Rules 13d-1(b) or 13d-2(b) or (c), check whether the person filing is a:
- (a). Broker or dealer registered under Section 15 of the Act (15 U.S.C. 78o).  
Goldman, Sachs & Co.
  - (b). Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c).
  - (c). Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c).
  - (d). Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
  - (e). An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);  
Goldman, Sachs & Co.
  - (f). An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
  - (g). A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);  
The Goldman Sachs Group, Inc.
  - (h). A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
  - (i). A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
  - (j). Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

- Item 4.                    Ownership.\*
- (a).            Amount beneficially owned:  
See the response(s) to Item 9 on the attached cover page(s).
- (b).            Percent of Class:  
See the response(s) to Item 11 on the attached cover page(s).
- (c).            Number of shares as to which such person has:
- (i).            Sole power to vote or to direct the vote: See the response(s) to Item 5 on the attached cover page(s).
- (ii).           Shared power to vote or to direct the vote: See the response(s) to Item 6 on the attached cover page(s).
- (iii).           Sole power to dispose or to direct the disposition of: See the response(s) to Item 7 on the attached cover page(s).
- (iv).           Shared power to dispose or to direct the disposition of: See the response(s) to Item 8 on the attached cover page(s).
- Item 5.                    Ownership of Five Percent or Less of a Class.  
Not Applicable
- 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.  
See Exhibit (99.2)
- 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 I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

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\* In accordance with the Securities and Exchange Commission (the "SEC") Release No. 34-39538 (January 12, 1998), this filing reflects the securities beneficially owned by the investment banking division ("IBD") of The Goldman Sachs Group, Inc. and its subsidiaries and affiliates (collectively, "GSG"). This filing does not reflect securities, if any, beneficially owned by any other operating unit of GSG. IBD disclaims beneficial ownership of the securities beneficially owned by (i) any client accounts with respect to which IBD or its employees have voting or investment discretion, or both and (ii) certain investment entities, of which IBD is the general partner, managing general partner or other manager, to the extent interests in such entities are held by persons other than IBD.

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.

Date: February 8, 2005

THE GOLDMAN SACHS GROUP, INC.

By:/s/ Ted Chang

-----  
Name: Ted Chang  
Title: Attorney-in-fact

GOLDMAN, SACHS & CO.

By:/s/ Ted Chang

-----  
Name: Ted Chang  
Title: Attorney-in-fact

INDEX TO EXHIBITS

Exhibit No. -----	Exhibit -----
99.1	Joint Filing Agreement, dated February 8, 2005, between The Goldman Sachs Group, Inc. and Goldman, Sachs & Co.
99.2	Item 7 Information
99.3	Power of Attorney, dated December 12, 2003, relating to The Goldman Sachs Group, Inc.
99.4	Power of Attorney, dated November 19, 2003, relating to Goldman, Sachs & Co.

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k)(1) promulgated under the Securities Exchange Act of 1934, the undersigned agree to the joint filing of a Statement on Schedule 13G (including any and all amendments thereto) with respect to the Common Stock, \$0.0001 par value, of Silicon Laboratories Inc. and further agree to the filing of this agreement as an Exhibit thereto. In addition, each party to this Agreement expressly authorizes each other party to this Agreement to file on its behalf any and all amendments to such Statement on Schedule 13G.

Date: February 8, 2005

THE GOLDMAN SACHS GROUP, INC.

By:/s/ Ted Chang

-----  
Name: Ted Chang  
Title: Attorney-in-fact

GOLDMAN, SACHS & CO.

By:/s/ Ted Chang

-----  
Name: Ted Chang  
Title: Attorney-in-fact



ITEM 7 INFORMATION

The securities being reported on by the The Goldman Sachs Group, Inc. ("GS Group"), as a parent holding company, are owned, or may be deemed to be beneficially owned, by Goldman, Sachs & Co. ("Goldman Sachs"), a broker or dealer registered under Section 15 of the Act and an investment adviser registered under Section 203 of the Investment Advisers Act of 1940. Goldman Sachs is a direct and indirect wholly-owned subsidiary of GS Group.

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that THE GOLDMAN SACHS GROUP, INC. (the "Company") does hereby make, constitute and appoint each of Roger S. Begelman, Edward T. Joel, Saskia Brookfield Martin and Ted Chang, (and any other employee of The Goldman Sachs Group, Inc. or one of its affiliates designated in writing by one of the attorneys-in-fact), acting individually, its true and lawful attorney, to execute and deliver in its name and on its behalf whether the Company is acting individually or as representative of others, any and all filings required to be made by the Company under the Securities Exchange Act of 1934, (as amended, the "Act"), with respect to securities which may be deemed to be beneficially owned by the Company under the Act, giving and granting unto each said attorney-in-fact power and authority to act in the premises as fully and to all intents and purposes as the Company might or could do if personally present by one of its authorized signatories, hereby ratifying and confirming all that said attorney-in-fact shall lawfully do or cause to be done by virtue hereof.

THIS POWER OF ATTORNEY shall remain in full force and effect until either revoked in writing by the undersigned or until such time as the person or persons to whom power of attorney has been hereby granted cease(s) to be an employee of The Goldman Sachs Group, Inc. or one of its affiliates.

IN WITNESS WHEREOF, the undersigned has duly subscribed these presents as of December 12th, 2003.

THE GOLDMAN SACHS GROUP, INC.

By: /s/ Gregory K. Palm

-----  
Name: Gregory K. Palm  
Title: Executive Vice President and General Counsel

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that GOLDMAN, SACHS & CO. (the "Company") does hereby make, constitute and appoint each of Roger S. Begelman, Edward T. Joel, Saskia Brookfied Martin and Ted Chang, (and any other employee of The Goldman Sachs Group, Inc. or one of its affiliates designated in writing by one of the attorneys-in-fact), acting individually, its true and lawful attorney, to execute and deliver in its name and on its behalf whether the Company is acting individually or as representative of others, any and all filings required to be made by the Company under the Securities Exchange Act of 1934, (as amended, the "Act"), with respect to securities which may be deemed to be beneficially owned by the Company under the Act, giving and granting unto each said attorney-in-fact power and authority to act in the premises as fully and to all intents and purposes as the Company might or could do if personally present by one of its authorized signatories, hereby ratifying and confirming all that said attorney-in-fact shall lawfully do or cause to be done by virtue hereof.

THIS POWER OF ATTORNEY shall remain in full force and effect until either revoked in writing by the undersigned or until such time as the person or persons to whom power of attorney has been hereby granted cease(s) to be an employee of The Goldman Sachs Group, Inc. or one of its affiliates.

IN WITNESS WHEREOF, the undersigned has duly subscribed these presents as of November 19th, 2003.

GOLDMAN, SACHS & CO.

By: /s/ Gregory K. Palm

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Name: Gregory K. Palm  
Title: Managing Director