



As filed with the Securities and Exchange Commission on July 21, 2004

Registration No. 333-\_\_\_\_\_

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

**FORM S-8**

REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933

**Cohu, Inc.**

*(Exact name of registrant as specified in its charter)*

**Delaware**

*(State or other jurisdiction  
of incorporation or organization)*

**95-1934119**

*(I.R.S. Employer Identification No.)*

**12367 Crosthwaite Circle, Poway, California 92064**  
*(Address Of Principal Executive Offices) (Zip Code)*

**Cohu, Inc. 1998 Stock Option Plan**  
*(Full title of the plan)*

**John H. Allen**

Vice President, Finance and Chief Financial Officer  
Cohu, Inc.  
12367 Crosthwaite Circle, Poway, California 92064  
*(Name and address of agent for service)*

**(858) 848-8100**

*(Telephone number, including area code, of agent for service)*

**CALCULATION OF REGISTRATION FEE**

| Title of securities<br>to be registered | Amount to be<br>registered <sup>(1)</sup> | Proposed<br>maximum offering<br>price per share <sup>(2)</sup> | Proposed<br>maximum<br>aggregate offering<br>price <sup>(2)</sup> | Amount of<br>registration fee <sup>(2)</sup> |
|-----------------------------------------|-------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------|
| Common Stock, par value<br>\$1.00       | 1,000,000 shares                          | \$15.71                                                        | \$15,710,000.00                                                   | \$1,990.46                                   |

(1) Pursuant to Rule 416(a), also covers additional securities that may be offered as a result of stock splits, stock dividends or similar transactions.

(2) Estimated solely for the purpose of determining the registration fee and calculated pursuant to Rule 457(c) and 457(h) of the Securities Act of 1933. The maximum offering price per share is based on the average of the high and low selling prices per share of Cohu, Inc. Common Stock on July 19, 2004, as reported on the Nasdaq National Market.

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PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference

Cohu, Inc. (the “Company”) hereby incorporates by reference in this registration statement the following documents:

(a) The Company’s latest annual report on Form 10-K filed pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), containing audited financial statements for the Company’s fiscal year ended December 31, 2003.

(b) All other reports filed pursuant to Section 13(a) or 15(d) of the Exchange Act since the end of the fiscal year covered by the document referred to in (a) above.

(c) The description of the Company’s Common Stock contained in the Company’s Registration Statement on Form 8-A filed under the Exchange Act, including any amendment or report filed for the purpose of updating such description.

All documents subsequently filed by the Company pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act, prior to the filing of a post-effective amendment to this registration statement which indicates that all securities offered hereby have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this registration statement and to be a part hereof from the date of filing of such documents.

Item 4. Description of Securities

Not applicable

Item 5. Interests of Named Experts and Counsel

Not applicable.

Item 6. Indemnification of Directors and Officers

Delaware law authorizes corporations to eliminate the personal liability of directors to corporations and their stockholders for monetary damages for breach or alleged breach of the directors’ “duty of care.” While the relevant statute does not change directors’ duty of care, it enables corporations to limit available relief to equitable remedies such as injunction or rescission. The statute has no effect on directors’ duty of loyalty, acts or omissions not in good faith or involving intentional misconduct or knowing violations of law, illegal payment of dividends and approval of any transaction from which a director derives an improper personal benefit.

The Company has adopted provisions in its Certificate of Incorporation which eliminate the personal liability of its directors to the Company and its stockholders for monetary damages for breach or alleged breach of their duty of care. The bylaws of the Company provide for indemnification of its directors, officers, employees and agents to the fullest extent permitted by the General Corporation Law of the State of Delaware, the Company’s state of incorporation, including those circumstances in which indemnification would otherwise be discretionary under Delaware Law. Section 145 of the General

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Corporation Law of the State of Delaware provides for indemnification in terms sufficiently broad to indemnify such individuals, under certain circumstances, for liabilities (including reimbursement of expenses incurred) arising under the Securities Act of 1933.

### Item 7. Exemption From Registration Claimed

Not applicable.

### Item 8. Exhibits

| <b>Exhibit No.</b> | <b>Description</b>                                                                                                                                                                                                                                                               |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.1                | Amended and Restated Certificate of Incorporation of Cohu, Inc. incorporated herein by reference to Exhibit 3.1(a) from the Cohu, Inc. Form 10-Q for the quarterly period ended June 30, 1999.                                                                                   |
| 4.1(a)             | Certificate of Amendment of Amended and Restated Certificate of Incorporation of Cohu, Inc. incorporated herein by reference from the Cohu, Inc. Form S-8 filed June 30, 2000, Exhibit 4.1(a).                                                                                   |
| 4.2                | Amended and Restated Bylaws of Cohu, Inc. incorporated herein by reference to Exhibit 3.2 from the Cohu, Inc. Report on Form 8-K filed with the Securities and Exchange Commission on December 12, 1996.                                                                         |
| 4.3                | Rights Agreement dated November 15, 1996, between Cohu, Inc. and ChaseMellon Shareholder Services, L.L.C., as rights agent, incorporated herein by reference to Exhibit 4.1 from the Cohu, Inc. Form 8-K filed with the Securities and Exchange Commission on December 12, 1996. |
| 4.4                | Cohu, Inc. 1998 Stock Option Plan (as amended) incorporated herein by reference from Appendix D to the Cohu, Inc. Proxy Statement for the 2004 Annual Meeting of Stockholders filed with the Securities and Exchange Commission on March 31, 2004.                               |
| 5.1                | Opinion re legality                                                                                                                                                                                                                                                              |
| 23.1               | Consent of Counsel (included in Exhibit 5.1)                                                                                                                                                                                                                                     |
| 23.2               | Consent of Ernst & Young LLP                                                                                                                                                                                                                                                     |
| 24                 | Power of Attorney (included in signature page to this registration statement)                                                                                                                                                                                                    |

### Item 9. Undertakings

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement.

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(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.

*Provided, however*, that paragraphs (a)(1)(i) and (a)(1)(ii) do not apply if the registration statement is on Form S-3 or Form S-8, and the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Commission by the registrant pursuant to section 13 or section 15(d) of the Exchange Act that are incorporated by reference in the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

### SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Poway, State of California, on July 20, 2004.

COHU, INC.

By: /s/ James A. Donahue  
James A. Donahue  
President and Chief Executive Officer

## POWER OF ATTORNEY

The officers and directors of Cohu, Inc. whose signatures appear below, hereby constitute and appoint James A. Donahue and John H. Allen, and each of them, their true and lawful attorneys and agents, with full power of substitution, each with power to act alone, to sign and execute on behalf of the undersigned any amendment or amendments to this registration statement on Form S-8, and each of the undersigned does hereby ratify and confirm all that each of said attorney and agent, or their, her or his substitutes, shall do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

| Signature                                   | Title                                                                                                          | Date          |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------|
| /s/ Charles A. Schwan                       | Chairman of the Board, Director                                                                                | July 20, 2004 |
| Charles A. Schwan<br>/s/ James A. Donahue   | President, Chief Executive Officer and Director<br>(Principal Executive Officer)                               | July 20, 2004 |
| James A. Donahue<br>/s/ John H. Allen       | Vice President, Finance and Chief Financial Officer,<br>Secretary (Principal Financial and Accounting Officer) | July 20, 2004 |
| John H. Allen<br>/s/ James W. Barnes        | Director                                                                                                       | July 20, 2004 |
| James W. Barnes<br>/s/ Harry L. Casari      | Director                                                                                                       | July 20, 2004 |
| Harry L. Casari<br>/s/ Robert L. Ciardella  | Director                                                                                                       | July 20, 2004 |
| Robert L. Ciardella<br>/s/ Harold Harrigian | Director                                                                                                       | July 20, 2004 |
| Harold Harrigian                            |                                                                                                                |               |

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[GRAY CARY LOGO]  
4365 Executive Drive, Suite 1600  
San Diego, CA 92121-2189  
www.graycary.com  
O] 858-677-1418  
F] 858-677-1477

July 20, 2004

OUR FILE NO. 8203-92001

Securities and Exchange Commission  
450 Fifth Street, N.W.  
Washington, D.C. 20549

Dear Ladies and Gentlemen:

As legal counsel for Cohu, Inc., a Delaware corporation (the "Company"), we are rendering this opinion in connection with the preparation and filing of a registration on Form S-8 (the "Registration Statement") under the Securities Act of 1933, as amended, of a total of up to an additional 1,000,000 shares of the Common Stock, \$1.00 par value, of the Company which may be issued pursuant to the Cohu, Inc. 1998 Stock Option Plan (the "Plan").

We have examined all instruments, documents and records which we deemed relevant and necessary for the basis of our opinion hereinafter expressed. In such examination, we have assumed the genuineness of all signatures and the authenticity of all documents submitted to us as originals and the conformity to the originals of all documents submitted to us as copies. We express no opinion concerning any law other than the corporation laws of the State of Delaware. As to matters of Delaware corporation law, we have based our opinion solely upon our examination of such laws and the rules and regulations of the authorities administering such laws, all as reported in standard, unofficial compilations.

Based on such examination, we are of the opinion that the additional 1,000,000 shares of Common Stock which may be issued under the Plan are duly authorized shares and, when issued against receipt of the consideration therefor in accordance with the provisions of the Plan, will be validly issued, fully paid and nonassessable. We hereby consent to the filing of this opinion as an exhibit to the Registration Statement referred to above and the use of our name wherever it appears in said Registration Statement.

Respectfully submitted,

/s/ Gray Cary Ware & Freidenrich LLP

GRAY CARY WARE & FREIDENRICH LLP

SILICON VALLEY    SAN DIEGO    SAN DIEGO/GOLDEN TRIANGLE  
SAN FRANCISCO    AUSTIN    SEATTLE    SACRAMENTO    LA JOLLA

CONSENT OF ERNST & YOUNG LLP, INDEPENDENT AUDITORS

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the Cohu, Inc. 1998 Stock Option Plan of our report dated January 26, 2004, except for Note 14 as to which the date is February 23, 2004, with respect to the consolidated financial statements and schedule of Cohu, Inc. included in its Annual Report (Form 10-K) for the year ended December 31, 2003, filed with the Securities and Exchange Commission.

/s/ ERNST & YOUNG LLP

San Diego, California  
July 16, 2004