
UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

AMENDMENT NO. 7 TO SCHEDULE TO

(Rule 14d-100)

Tender Offer Statement Under Section 14(d)(1) or 13(e)(1)
of the Securities Exchange Act of 1934

Siliconix incorporated

(Name of subject company (issuer))

Vishay Intertechnology, Inc. and

Vishay TEMIC Semiconductor Acquisition Holdings Corp.

(Offerors)

(Names of filing persons (identifying status as
offeror, issuer or other person))

Common Stock, Par Value \$0.01 per Share

(Title of class of securities)

82707920 3

(CUSIP numbers of class of securities)

Richard N. Grubb

Vishay Intertechnology, Inc.

63 Lincoln Highway

Malvern, Pennsylvania 19355-2143

(610) 644-1300

(Name, address and telephone number of persons authorized to receive notices
and communications on behalf of filing persons)

Copies To:

**Avner Z. Lahat, Esq.
Vishay Intertechnology, Inc.
63 Lincoln Highway
Malvern, Pennsylvania 19355-2143
(610) 644-1300**

**Abbe L. Dienstag, Esq.
Kramer Levin Naftalis & Frankel LLP
1177 Avenue of the Americas
New York, New York 10036
(212) 715-9100**

Check the box if the filing relates solely to preliminary communications made before the commencement of a tender offer.

Check the appropriate boxes below to designate any transactions to which the statement relates:

- third-party tender offer subject to Rule 14d-1.
- issuer tender offer subject to Rule 13e-4.
- going-private transaction subject to Rule 13e-3.
- amendment to Schedule 13D under Rule 13d-2.

Check the following box if the filing is a final amendment reporting the results of the tender offer:

This Amendment No. 7 amends and supplements the Tender Offer Statement on Schedule TO filed on April 12, 2005 and amended on April 22, 2005, April 25, 2005, April 27, 2005, May 2, 2005, May 5, 2005 and May 10, 2005 by Vishay Intertechnology, Inc. ("Vishay") and Vishay TEMIC Semiconductor Acquisition Holdings Corp. ("Vishay TEMIC"), a wholly owned subsidiary of Vishay. The Schedule TO relates to the offer by Vishay TEMIC to exchange shares of Vishay common stock, par value \$0.10 per share, for each outstanding share of common stock, par value \$0.01 per share, of Siliconix incorporated that Vishay and its subsidiaries do not own.

Item 11. Other Information.

Item 11 of the Schedule TO is hereby amended and supplemented by adding the following:

On May 11, 2005, Vishay Intertechnology, Inc. announced that the Securities and Exchange Commission has declared effective Vishay's registration statement relating to the Siliconix tender offer, thus satisfying one of the conditions of the tender offer.

Item 12. Exhibits.

Exhibit Number	Description
-------------------	-------------

Item 12 of the Schedule TO is hereby amended and supplemented by adding the following exhibit:

(a)(19)	Press release dated May 11, 2005 announcing the effectiveness of the registration statement on Form S-4 related to the Siliconix tender offer (incorporated by reference to Exhibit 99 to Vishay Intertechnology Inc.'s current report on Form 8-K filed on May 11, 2005).
---------	--

SIGNATURE

After due 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: May 11, 2005

VISHAY INTERTECHNOLOGY, INC

By: /s/ RICHARD N. GRUBB

Name: Richard N. Grubb
Title: Executive Vice President, Treasurer and
Chief Financial Officer

VISHAY TEMIC SEMICONDUCTOR
ACQUISITION HOLDINGS CORP.

By: /s/ RICHARD N. GRUBB

Name: Richard N. Grubb
Title: Vice President and Treasurer

QuickLinks

[SIGNATURE](#)