

COHU INC
Form S-4/A
July 26, 2018
Table of Contents

As filed with the Securities and Exchange Commission on July 26, 2018

Registration No. 333-225770

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

Amendment No. 1
To
Form S-4
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	3825 (Primary Standard Industrial	95-1934119 (I.R.S. Employer
Incorporation or Organization)	Classification Code Number) 12367 Crosthwaite Circle	Identification Number)

Poway, California 92064

(858) 848-8100

(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

Jeffrey D. Jones, VP Finance and Chief Financial Officer

Cohu, Inc.

12367 Crosthwaite Circle

Poway, California 92064

(858) 848-8100

(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent for Service)

Copies to:

Thomas D. Kampfer	Paul J. Shim	Colin J. Savoy	Tad Freese
VP, Corporate Development, General Counsel and Secretary	Cleary Gottlieb Steen & Hamilton LLP	Chief Legal Counsel Xcerra Corporation	Chad Rolston
Cohu, Inc.	One Liberty Plaza	825 University Avenue	Latham & Watkins LLP
12367 Crosthwaite Circle	New York, NY 10006	Norwood, MA 02062	140 Scott Drive
Poway, CA 92064	Tel.: (212) 225-2000	Tel.: (781) 461-1000	Menlo Park, CA 94025
Tel: (858) 848-8100	Fax: (212) 225-3999		Tel.: (650) 328-4600
			Fax: (650) 463-2600

Approximate date of commencement of proposed sale to public: As soon as practicable after the effectiveness of this Registration Statement on Form S-4 (this Registration Statement) and the satisfaction or waiver of all other conditions to the transactions described herein.

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If the securities being registered on this form are being offered in connection with the formation of a holding company and there is compliance with General Instruction G, check the following box.

If this form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

Table of Contents

If this form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of large accelerated filer, accelerated filer, smaller reporting company, and emerging growth company in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company)

Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to section 7(a)(2)(B) of the securities Act.

If applicable, place an X in the box to designate the appropriate rule provision relied upon in conducting this transaction:

Exchange Act Rule 13e-4(i) (Cross-Border Issuer Tender Offer)

Exchange Act Rule 14d-1(d) (Cross-Border Third-Party Tender Offer)

The registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act or until the Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

Table of Contents

The information in this joint proxy statement/prospectus is subject to completion and amendment. A registration statement relating to the securities described in this joint proxy statement/prospectus has been filed with the Securities and Exchange Commission. These securities may not be sold nor may offers to buy these securities be accepted prior to the time the Registration Statement becomes effective. This joint proxy statement/prospectus shall not constitute an offer to sell or the solicitation of any offer to buy nor shall there be any sale of these securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration under the securities laws of any such jurisdiction.

PRELIMINARY COPY

SUBJECT TO COMPLETION, DATED JULY 26, 2018

JOINT PROXY STATEMENT/PROSPECTUS PROPOSED TRANSACTION YOUR VOTE IS VERY IMPORTANT

Dear Stockholders:

Cohu, Inc., which we refer to as Cohu, Xavier Acquisition Corporation, a wholly owned subsidiary of Cohu, which we refer to as Merger Sub, and Xcerra Corporation, which we refer to as Xcerra, have entered into an agreement and plan of merger, dated as of May 7, 2018 (the Merger Agreement) pursuant to which Merger Sub will merge with and into Xcerra (the Merger), with Xcerra continuing as the surviving corporation of the Merger (the Surviving Corporation) and a wholly owned subsidiary of Cohu. At the effective time of the Merger (the Effective Time), (a) each share of Xcerra's common stock, par value \$0.05 per share (Xcerra Common Stock) issued and outstanding immediately prior to the Effective Time (other than dissenting shares and shares held by Cohu, Merger Sub, Xcerra or any direct or indirect wholly owned subsidiary of Cohu or Xcerra) will be converted into the right to receive (i) \$9.00 in cash, without interest (the Cash Consideration), and (ii) 0.2109 of a validly issued, fully paid and nonassessable share of common stock of Cohu, par value \$1.00 per share (Cohu Common Stock) (the Stock Consideration and, together with the Cash Consideration, the Merger Consideration) and (b) each outstanding Xcerra restricted stock unit (an Xcerra RSU) that either (i) will vest automatically according to its terms at the Effective Time, or (ii) is held by a member of the board of directors of Xcerra, will be cancelled and converted into the right to receive the Merger Consideration. All Xcerra RSUs not described in the preceding sentence that are outstanding and unvested at the Effective Time will be assumed by Cohu and converted into a restricted stock unit award representing that number of shares of Cohu Common Stock equal to the product of (A) the number of shares of Xcerra Common Stock represented by such Xcerra RSU immediately prior to the Effective Time multiplied by (B) the sum of (1) the Stock Consideration plus (2) the quotient of (x) the Cash Consideration divided by (y) the volume weighted average of the trading prices of Cohu Common Stock on each of the three consecutive trading days ending on the trading day that is one trading day prior to the date of the closing of the Merger.

Immediately following the closing of the Merger, Cohu's stockholders will own approximately 71% of the outstanding Cohu Common Stock, and Xcerra's former stockholders will own approximately 29% of the outstanding Cohu Common Stock, based on the number of shares of Cohu and Xcerra Common Stock outstanding as of July 16, 2018. Cohu Common Stock is listed on the NASDAQ Global Select Market (NASDAQ) under the symbol COHU and Xcerra Common Stock is listed on NASDAQ under the symbol XCRA. Upon completion of the Merger, we expect to

delist Xcerra Common Stock from NASDAQ.

The Merger will be a taxable transaction for U.S. federal income tax purposes.

Each of Cohu and Xcerra is holding a special meeting of its stockholders (the Cohu Special Meeting and the Xcerra Special Meeting, respectively) in order to obtain the stockholder approvals necessary to consummate the Merger. At the respective special meetings, Xcerra will ask its stockholders to approve the Merger Agreement and Cohu will ask its stockholders to approve the issuance of shares of Cohu Common Stock in connection with the Merger to the extent such issuance would require approval under NASDAQ Stock Market Rule 5635(a), which, subject to certain exceptions, generally requires stockholder approval prior to the issuance of common stock in connection with a merger to the extent such issuance would equal or exceed 20% of the issuer's issued and outstanding common stock before such issuance (the Stock Issuance Proposal). Approval of the Stock Issuance Proposal by holders of a majority of the outstanding shares of Cohu Common Stock represented in person or by proxy at the Cohu Special Meeting, and approval of the Merger Agreement by the holders of two-thirds of the outstanding shares of Xcerra Common Stock are conditions to the consummation of the Merger. The obligations of Cohu, Merger Sub and Xcerra to complete the Merger are also subject to the satisfaction or waiver of several other conditions to the Merger set forth in the Merger Agreement and described in this joint proxy statement/prospectus. More information about Cohu, Merger Sub, Xcerra and the Merger is contained in this joint proxy statement/prospectus. **We urge you to read this joint proxy statement/prospectus, and the documents incorporated by reference into this joint proxy statement/prospectus, carefully and in their entirety. In particular, we urge you to read carefully Risk Factors beginning on page 27.**

After careful consideration, the board of directors of each of Cohu and Xcerra have determined that the Merger Agreement and the Merger are fair to, advisable and in the best interests of, their respective stockholders.

Accordingly, the Cohu board of directors recommends that the Cohu stockholders vote FOR the Stock Issuance Proposal and FOR the Cohu Adjournment Proposal (as defined in Cohu's *Notice of Special Meeting of Cohu Stockholders to be Held on August 30, 2018*) and the Xcerra board of directors recommends that the Xcerra stockholders vote FOR the approval of the Merger Proposal (as defined in Xcerra's *Notice of Special Meeting of Xcerra Stockholders to be Held on August 30, 2018*), FOR the Xcerra Adjournment Proposal (as defined in Xcerra's *Notice of Special Meeting of Xcerra Stockholders to be Held on August 30, 2018*) and FOR the Xcerra Non-Binding Advisory Proposal (as defined in Xcerra's *Notice of Special Meeting of Xcerra Stockholders to be Held on August 30, 2018*).

We are very excited about the opportunities the Merger brings to both Cohu stockholders and Xcerra stockholders, and we thank you for your consideration and continued support.

Luis A. Müller

President and Chief Executive Officer

Cohu, Inc.

David G. Tacelli

President and Chief Executive Officer

Xcerra Corporation

Table of Contents

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this joint proxy statement/prospectus. Any representation to the contrary is a criminal offense.

This joint proxy statement/prospectus is dated [], 2018, and is first being mailed to Cohu stockholders and Xcerra stockholders on or about [], 2018.

REFERENCES TO ADDITIONAL INFORMATION

As used in this joint proxy statement/prospectus, Cohu refers to Cohu, Inc. and its consolidated subsidiaries, Merger Sub refers to Xavier Acquisition Corporation, and Xcerra refers to Xcerra Corporation and its consolidated subsidiaries. We or our refers to Cohu. This joint proxy statement/prospectus incorporates important business and financial information about Cohu and Xcerra from documents that each company has filed with the Securities and Exchange Commission, which is referred to as the SEC, but which have not been included in or delivered with this joint proxy statement/prospectus. For a list of documents incorporated by reference into this joint proxy statement/prospectus and how you may obtain them, see *Where You Can Find More Information* beginning on page 188.

This information is available to you without charge upon your written or oral request. You can also obtain the documents incorporated by reference into this joint proxy statement/prospectus by accessing the SEC's website maintained at <http://www.sec.gov>.

In addition, Cohu's filings with the SEC are available to the public on Cohu's website, <https://cohu.gcs-web.com/sec-filings>, and Xcerra's filings with the SEC are available to the public on Xcerra's website, <https://Xcerra.com/investors>. Information contained on Cohu's website, Xcerra's website or the website of any other person is not incorporated by reference into this joint proxy statement/prospectus, and you should not consider information contained on those websites as part of this joint proxy statement/prospectus.

Cohu or its proxy solicitor will provide you with copies of such information that relates to Cohu, without charge, if you request them in writing or by telephone from:

Cohu, Inc.

12367 Crosthwaite Circle

Poway, California 92064

Attention: Jeffrey D. Jones

(858) 848-8106

E-mail: corp@cohu.com

Okapi Partners LLC

1212 Avenue of the Americas, 24th Floor

New York, New York 10036

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Banks and Brokerage Firms, call: (212) 297-0720

Stockholders and All Others, call toll-free: (877) 629-6357

Email: info@okapipartners.com

Xcerra or its proxy solicitor will provide you with copies of such information that relates to Xcerra, without charge, if you request them in writing or by telephone from:

Xcerra Corporation

825 University Avenue

Norwood, Massachusetts 02062

Attention: Rich Yerganian

Tel.: (781) 467-5063

E-mail: rich.yerganian@xcerra.com

Table of Contents

The Proxy Advisory Group, LLC

Toll free: 888-337-7699 or 888-33PROXY

Collect: 212-616-2180

If you would like to request documents, please do so by August 23, 2018, in order to receive them before the special meetings.

Cohu has supplied, and is responsible for, all information contained in or incorporated by reference in this joint proxy statement/prospectus relating to Cohu and Merger Sub, and Xcerra has supplied, and is responsible for, all information contained in or incorporated by reference in this joint proxy statement/prospectus relating to Xcerra. No one else has been authorized to give you any other information, and neither Cohu nor Xcerra takes responsibility for any information that others may give you. This joint proxy statement/prospectus is dated as of [], 2018. You should not assume that the information contained in this joint proxy statement/prospectus is accurate as of any other date or that information incorporated by reference in this joint proxy statement/prospectus is accurate as of any date other than the date of such information. Neither Cohu's nor Xcerra's mailing of this joint proxy statement/prospectus will create any implication to the contrary. This joint proxy statement/prospectus does not constitute an offer to sell any securities, a solicitation of an offer to buy any securities, or the solicitation of a proxy, in each case in any jurisdiction in which such offer or solicitation would be unlawful.

Table of Contents

NOTICE OF SPECIAL MEETING OF COHU STOCKHOLDERS

TO BE HELD ON AUGUST 30, 2018

To the Stockholders of Cohu, Inc.:

Cohu, Inc. (Cohu) will hold a special meeting of stockholders (the Cohu Special Meeting) at Cohu's corporate offices, located at 12367 Crosthwaite Circle, Poway, California 92064-6817, on August 30, 2018, at 8:30 a.m., Pacific Time, unless postponed or adjourned to a later date. The Cohu Special Meeting will be held for the following purposes:

1. to approve the issuance of Cohu common stock in connection with the merger (the Merger) of Xavier Acquisition Corporation (Merger Sub) with and into Xcerra Corporation (Xcerra) with Xcerra continuing as the surviving corporation and a wholly owned subsidiary of Cohu, to the extent such issuance would require approval under NASDAQ Stock Market Rule 5635(a); the Merger is being effected pursuant to the Agreement and Plan of Merger, dated May 7, 2018, by and among Cohu, Merger Sub and Xcerra (the Merger Agreement), a copy of which is attached as Annex A to the joint proxy statement/prospectus accompanying this notice (the Stock Issuance Proposal); and

2. to approve any adjournment of the Cohu Special Meeting, if necessary or appropriate, including to permit further solicitation of proxies if there are not sufficient votes at the time of the Cohu Special Meeting to approve the Stock Issuance Proposal (a Cohu Adjournment Proposal).

These items of business are described in the accompanying joint proxy statement/prospectus. Please refer to the attached document, including the Merger Agreement and all other annexes, including any documents incorporated by reference, for further information with respect to the business to be transacted at the Cohu Special Meeting. You are encouraged to read the entire document carefully before voting. **In particular, see the section entitled *Risk Factors* beginning on page 27.**

Only Cohu stockholders of record at the close of business on July 30, 2018 are entitled to notice of the Cohu Special Meeting and to vote at the Cohu Special Meeting and any adjournments or postponements of the Cohu Special Meeting. The Cohu board of directors (the Cohu Board) has fixed the close of business on July 30, 2018 as the record date for determination of Cohu stockholders entitled to receive notice of, and to vote at, the Cohu Special Meeting or any adjournments or postponements thereof.

The Cohu Board has unanimously approved and declared advisable the Merger Agreement and the transactions contemplated thereby, including the Merger, and has determined that the Merger Agreement and the transactions contemplated thereby, including the Merger, are fair to, advisable and in the best interests of Cohu and Cohu's stockholders. The Cohu Board has approved and declared fair, advisable and in the best interests of, Cohu and Cohu's stockholders, the issuance of Cohu's common stock in the Merger. The Cohu Board recommends that you vote **FOR the Stock Issuance Proposal and **FOR** any Cohu Adjournment Proposal.**

In deciding to approve the Merger Agreement and the transactions contemplated thereby, including the Merger and the issuance of Cohu common stock in the Merger, the Cohu Board considered a number of factors, including those listed in the section entitled *Recommendation of the Cohu Board and Cohu's Reasons for the Merger*.

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Your vote is very important regardless of the number of shares of Cohu common stock that you own. Whether or not you plan to attend the Cohu Special Meeting in person, please complete, sign and date the enclosed proxy card(s) as soon as possible and return it in the postage-paid envelope provided, or vote your

Table of Contents

shares of Cohu common stock by telephone or over the Internet as described in the accompanying joint proxy statement/prospectus. Submitting a proxy or voting by telephone or Internet now will not prevent you from being able to vote at the Cohu Special Meeting by attending in person and casting a vote. **However, if you do not return or submit your proxy or vote your shares of Cohu common stock by telephone or over the Internet or vote in person at the Cohu Special Meeting, it will have no effect in determining the outcome of the Stock Issuance Proposal, provided that a quorum is achieved. If you attend the Cohu Special Meeting in person or by proxy, and you abstain from voting, that will have the same effect as a vote AGAINST approval of the Stock Issuance Proposal.**

Cohu stockholders who hold their shares of Cohu common stock in street name and wish to submit a proxy must provide instructions to the broker, bank, trustee or other nominee that holds their shares of Cohu common stock as to how to vote their shares of Cohu common stock with respect to the proposals above. Cohu stockholders who hold their shares Cohu common stock in street name and wish to vote in person at the Cohu Special Meeting must obtain proxies issued in their own names (known as a legal proxy) from their broker, bank or trustee. Your bank, broker or other nominee cannot vote on any of the proposals, including the proposal to approve the issuance of Cohu common stock in connection with the Merger, without your instructions.

By Order of the Board of
Directors,

Thomas D. Kampfer
Secretary
Poway, California

[], 2018

Please vote your shares promptly. You can find instructions for voting on the enclosed proxy card.

If you have questions, contact:

Cohu, Inc.

12367 Crosthwaite Circle

Poway, California 92064

Attention: Jeffrey D. Jones

(858) 848-8106

E-Mail: corp@cohu.com

or

Okapi Partners LLC

1212 Avenue of the Americas, 24th Floor

New York, New York 10036

Banks and Brokerage Firms, call: (212) 297-0720

Stockholders and All Others, call toll-free: (877) 629-6357

Email: info@okapipartners.com

YOUR VOTE IS VERY IMPORTANT.

Table of Contents

Xcerra Corporation
825 University Avenue
Norwood, Massachusetts 02062
(781) 461-1000

NOTICE OF SPECIAL MEETING OF STOCKHOLDERS

TO BE HELD ON AUGUST 30, 2018

Notice is hereby given that a special meeting of stockholders (the Xcerra Special Meeting) of Xcerra Corporation (Xcerra) will be held on August 30, 2018, at 9:30 a.m., Eastern Time, at Xcerra's headquarters at 825 University Avenue, Norwood, Massachusetts 02062, for the following purposes:

1. To consider and vote on the proposal to approve the Agreement and Plan of Merger (as it may be amended from time to time, the Merger Agreement), dated May 7, 2018, by and among Cohu, Inc. (Cohu), a Delaware corporation, Xavier Acquisition Corporation, a Delaware corporation and wholly owned subsidiary of Cohu (Merger Sub) and Xcerra. Upon the satisfaction or waiver of the conditions to the closing set forth in the Merger Agreement, Merger Sub will, at the closing, merge with and into Xcerra (the Merger), and Xcerra will become a wholly owned subsidiary of Cohu.
2. To consider and vote on any proposal to adjourn the Xcerra Special Meeting to a later date or dates, if necessary or appropriate, to solicit additional proxies if there are insufficient votes to approve the Merger Agreement at the time of the Xcerra Special Meeting (the Xcerra Adjournment Proposal);
3. To consider and vote on the proposal to approve, by non-binding, advisory vote, compensation that will or may become payable to Xcerra's named executive officers in connection with the Merger (the Xcerra Non-Binding Advisory Proposal); and
4. To transact any other business that may properly come before the Xcerra Special Meeting or any adjournment, postponement or other delay of the Xcerra Special Meeting.

Only Xcerra stockholders of record as of the close of business on July 27, 2018, are entitled to notice of the Xcerra Special Meeting and to vote at the Xcerra Special Meeting or any adjournment, postponement or other delay thereof.

The Board of Directors of Xcerra (the Xcerra Board) unanimously recommends that you vote: (1) FOR the approval of the Merger Agreement; (2) FOR any Xcerra Adjournment Proposal; and (3) FOR the Xcerra Non-Binding Advisory Proposal.

Whether or not you plan to attend the Xcerra Special Meeting in person, please sign, date and return, as promptly as possible, the enclosed proxy card in the accompanying prepaid reply envelope or grant your proxy electronically over the Internet or by telephone. If you attend the Xcerra Special Meeting and vote in person by ballot, your vote will revoke any proxy that you have previously submitted. If you hold your shares of Xcerra common stock in street name, you should instruct your bank, broker or other nominee how to vote your shares of Xcerra common stock in accordance with the voting instruction form that you will receive from your bank, broker or other nominee. Your

bank, broker or other nominee cannot vote on any of the proposals, including the proposal to approve the Merger Agreement, without your instructions.

By the Order of the Xcerra Board,
Colin J. Savoy

Corporate Secretary

Norwood, Massachusetts
[], 2018

Table of Contents**TABLE OF CONTENTS**

<u>QUESTIONS AND ANSWERS ABOUT THE SPECIAL MEETINGS AND THE MERGER</u>	1
<u>SUMMARY</u>	14
<u>Information About Cohu</u>	14
<u>Information About Merger Sub</u>	14
<u>Information About Xcerra</u>	14
<u>The Merger</u>	15
<u>Recommendations of the Cohu Board and Cohu's Reasons for the Merger</u>	15
<u>Recommendations of the Xcerra Board and Xcerra's Reasons for the Merger</u>	15
<u>Opinions of Financial Advisors</u>	16
<u>Effect of the Merger on Xcerra's Equity Awards</u>	17
<u>Record Date; Outstanding Shares; Shares Entitled to Vote; Vote Required</u>	18
<u>Stock Ownership and Voting by Cohu's and Xcerra's Directors and Executive Officers</u>	20
<u>Interests of Cohu Directors and Executive Officers in the Merger</u>	20
<u>Interests of Xcerra Directors and Executive Officers in the Merger</u>	20
<u>Post-Closing Cohu Board</u>	21
<u>Listing of Cohu Common Stock and Delisting of Xcerra Common Stock</u>	21
<u>Appraisal Rights for Xcerra Stockholders</u>	21
<u>Conditions to the Closing of the Merger</u>	22
<u>Regulatory Approvals Required for the Merger</u>	24
<u>Termination of the Merger Agreement</u>	25
<u>Termination Fees</u>	25
<u>Material United States Federal Income Tax Consequences</u>	25
<u>RISK FACTORS</u>	27
<u>Risk Factors Relating to the Merger</u>	27
<u>Risk Factors Relating to the Combined Company Following the Merger</u>	33
<u>Risk Factors Relating to Cohu's Business</u>	40
<u>Risk Factors Relating to Xcerra's Business</u>	41
<u>FINANCIAL SUMMARY</u>	42
<u>Selected Historical Consolidated Financial Data of Cohu</u>	42
<u>Selected Historical Consolidated Financial Data of Xcerra</u>	43
<u>Selected Unaudited Pro Forma Financial Data</u>	46
<u>UNAUDITED PRO FORMA CONDENSED COMBINED FINANCIAL STATEMENTS</u>	47
<u>COMPARATIVE HISTORICAL AND UNAUDITED PRO FORMA PER SHARE FINANCIAL</u>	
<u>INFORMATION</u>	63
<u>COMPARATIVE PER SHARE MARKET PRICE INFORMATION</u>	65
<u>Cohu</u>	65
<u>Xcerra</u>	66
<u>CAUTIONARY STATEMENT CONCERNING FORWARD-LOOKING STATEMENTS</u>	67
<u>THE COHU SPECIAL MEETING</u>	69
<u>Overview</u>	69
<u>Date, Time and Place of the Cohu Special Meeting</u>	69
<u>Purposes of the Cohu Special Meeting</u>	69
<u>Record Date; Outstanding Shares; Shares Entitled to Vote</u>	69
<u>Quorum and Vote Required</u>	69

<u>Stock Ownership and Voting by Cohu's Directors and Executive Officers</u>	70
<u>How to Vote</u>	70
<u>Revoking Your Proxy</u>	71
<u>Other Voting Matters</u>	71
<u>Proxy Solicitations</u>	72
<u>Other Business</u>	72
<u>Assistance</u>	72

Table of Contents

<u>THE XCERRA SPECIAL MEETING</u>	75
<u>THE MERGER</u>	82
<u>Overview</u>	82
<u>Merger Consideration</u>	82
<u>Background of the Merger</u>	82
<u>Recommendation of the Cohu Board and Cohu's Reasons for the Merger</u>	95
<u>Recommendation of the Xcerra Board and Xcerra's Reasons for the Merger</u>	97
<u>Opinion of Cohu's Financial Advisor, Deutsche Bank</u>	103
<u>Opinion of Xcerra's Financial Advisor, Cowen</u>	112
<u>Unaudited Prospective Financial Information</u>	124
<u>Board of Directors and Management after the Transaction</u>	130
<u>Stock Ownership of Directors and Executive Officers of Cohu and Xcerra</u>	130
<u>Interests of Cohu Directors and Executive Officers in the Merger</u>	133
<u>Interests of Xcerra Directors and Executive Officers in the Merger</u>	133
<u>Effect of the Merger on Xcerra's Equity Awards</u>	138
<u>Regulatory Approvals Required for the Merger</u>	139
<u>Legal Proceedings</u>	140
<u>Dividend Policy</u>	140
<u>Financing Relating to the Merger</u>	140
<u>Listing of Cohu Common Stock and Delisting of Xcerra Common Stock</u>	142
<u>Appraisal Rights for Xcerra Stockholders</u>	142
<u>Accounting Treatment</u>	145
<u>THE MERGER AGREEMENT</u>	146
<u>Explanatory Note Regarding the Merger Agreement</u>	146
<u>Effects of the Merger: Directors and Officers; Articles of Organization; Bylaws</u>	146
<u>Closing and Effective Time</u>	147
<u>Merger Consideration</u>	147
<u>Treatment of Equity-Based Awards</u>	147
<u>Potential Payments Upon Termination or Change-in-Control</u>	148
<u>Exchange and Payment Procedures</u>	151
<u>Representations and Warranties</u>	151
<u>Conduct of Business Pending the Merger</u>	154
<u>Alternative Acquisition Proposals</u>	158
<u>The Xcerra Board's Recommendation; Xcerra Board Recommendation Change</u>	159
<u>The Cohu Board's Recommendation; Cohu Board Recommendation Change</u>	161
<u>Employee Benefits</u>	163
<u>Financing</u>	164
<u>Efforts to Close the Merger</u>	165
<u>Indemnification and Insurance</u>	165
<u>Other Covenants</u>	166
<u>Conditions to the Closing of the Merger</u>	167
<u>Termination of the Merger Agreement</u>	169
<u>Termination Fees</u>	170
<u>Specific Performance and Other Remedies</u>	171
<u>Fees and Expenses</u>	172
<u>Amendment</u>	172
<u>Governing Law</u>	172
<u>Jurisdiction</u>	172

<u>MATERIAL UNITED STATES FEDERAL INCOME TAX CONSEQUENCES</u>	173
<u>INFORMATION ABOUT COHU</u>	175
<u>INFORMATION ABOUT MERGER SUB</u>	176
<u>INFORMATION ABOUT XCERRA</u>	176
<u>COMPARISON OF RIGHTS OF STOCKHOLDERS</u>	177

Table of Contents

<u>DESCRIPTION OF COHU SHARES</u>	186
<u>VALIDITY OF COHU SHARES</u>	186
<u>EXPERTS</u>	186
<u>SUBMISSION OF FUTURE STOCKHOLDER PROPOSALS</u>	187
<u>Cohu</u>	187
<u>Xcerra</u>	187
<u>Householding</u>	188
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	188
<u>Cohu SEC Filings</u>	189
<u>Xcerra SEC Filings</u>	190
<u>ANNEX A AGREEMENT AND PLAN OF MERGER</u>	A-1
<u>ANNEX B OPINION OF DEUTSCHE BANK SECURITIES INC.</u>	B-1
<u>ANNEX C OPINION OF COWEN AND COMPANY, LLC</u>	C-1
<u>ANNEX D MBCA SECTION 13.02</u>	D-1

Table of Contents

QUESTIONS AND ANSWERS ABOUT THE SPECIAL MEETINGS AND THE MERGER

The following questions and answers briefly address some questions that you may have about the special meetings of Cohu and Xcerra and the Merger. They may not include all the information that is important to you. Cohu, Merger Sub and Xcerra urge you to read carefully this entire joint proxy statement/prospectus, including the annexes and the other documents to which we have referred you. We have included cross-references in certain parts of this section to direct you to a more detailed description of each topic presented elsewhere in this joint proxy statement/prospectus.

Q: What is this document?

A: This joint proxy statement/prospectus serves as the joint proxy statement through which Cohu and Xcerra provide their respective stockholders with important information regarding their respective special meetings, the Merger and the other transactions contemplated by the Merger Agreement and solicit proxies to obtain approvals from their respective stockholders for the approval of the Merger Agreement (in the case of Xcerra) and the issuance of shares of Cohu common stock, par value \$1.00 per share (Cohu Common Stock), in connection with the Merger (in the case of Cohu), to the extent such issuance requires approval pursuant to NASDAQ Stock Market Rule 5635(a), which, subject to certain exceptions, generally requires stockholder approval prior to issuances of common stock in connection with a merger to the extent such issuance would equal or exceed 20% of the issuer's issued and outstanding common stock before such issuance. It also serves as the prospectus by which Cohu will offer and issue Cohu Common Stock pursuant to the Merger.

Q: Why am I receiving this joint proxy statement/prospectus?

A: The board of directors of Cohu (the Cohu Board), the board of directors of Merger Sub, and the board of directors of Xcerra (the Xcerra Board) have each approved the Merger of Merger Sub with and into Xcerra pursuant to the Merger Agreement that is described in this joint proxy statement/prospectus. A copy of the Merger Agreement is attached to this joint proxy statement/prospectus as Annex A. See *The Merger* and *The Merger Agreement* for more information.

In order to complete the transactions contemplated by the Merger Agreement, including the Merger, Xcerra stockholders must approve the Merger Agreement and Cohu stockholders must approve the issuance of shares of Cohu Common Stock in connection with the Merger, as such issuance would equal or exceed 20% of the issued and outstanding Cohu Common Stock before such issuance, and all other conditions to the Merger set forth in the Merger Agreement must be satisfied or waived. Cohu and Xcerra will hold separate special meetings of their respective stockholders to vote on these proposals. This joint proxy statement/prospectus contains important information, which you should read carefully, about the Merger Agreement, the transactions contemplated by the Merger Agreement, including the Merger and the issuance by Cohu of shares of Cohu Common Stock in connection with the Merger, and the respective special meetings of the Cohu stockholders and the Xcerra stockholders.

The enclosed proxy materials allow you to grant a proxy or vote your shares by telephone or Internet without attending Xcerra's or Cohu's respective special meeting in person.

Your vote is important. We encourage you to submit your proxy or vote your shares by telephone or Internet as soon as possible.

Q: What is the proposed transaction for which I am being asked to vote?

A: Cohu and Xcerra stockholders are being asked to vote with respect to two distinct matters. Xcerra stockholders are being asked to vote on a proposal to approve the Merger Agreement pursuant to which Merger Sub will merge with and into Xcerra, with Xcerra surviving such Merger as a wholly owned

Table of Contents

subsidiary of Cohu. Cohu stockholders are being asked to approve the Stock Issuance Proposal. See *The Merger Overview* and *The Merger Merger Consideration* for more information regarding the Merger and the Merger Consideration.

Q: What if approval of the Stock Issuance Proposal is not obtained?

A: The approval by the Cohu stockholders of the Stock Issuance Proposal is a condition to the obligations of the parties to the Merger Agreement to complete the Merger.

If the Cohu stockholders do not approve the issuance of shares of Cohu Common Stock pursuant to the Merger, then the parties are not obligated to consummate the Merger and each party will have the right to terminate the Merger Agreement.

Q: What if the Xcerra stockholder approval of the Merger Agreement is not obtained?

A: The approval by the Xcerra stockholders of the Merger Agreement is a condition to the obligations of the parties to the Merger Agreement to complete the Merger.

If Xcerra's stockholders do not approve the Merger Agreement, then the Merger will not be consummated and each party will have the right to terminate the Merger Agreement.

Q: Why are Cohu and Xcerra proposing the Merger?

A: The Cohu Board and Xcerra Board each believe that the Merger will provide substantial strategic and financial benefits to the stockholders of Cohu and Xcerra, respectively. To review the reasons for each board of directors approval of the Merger and the transactions contemplated by the Merger Agreement, see *The Merger Recommendation of the Cohu Board and Cohu's Reasons for the Merger* and *The Merger Recommendation of the Xcerra Board and Xcerra's Reasons for the Merger* for more information.

Q: What are the positions of the Cohu Board and the Xcerra Board regarding the Merger and the related proposals that are being put to a vote of their respective stockholders?

A: The Cohu Board and the Xcerra Board have each unanimously approved and declared advisable the Merger Agreement and the transactions contemplated thereby, including the Merger, and determined that the Merger Agreement and the transactions contemplated thereby, including the Merger, are fair to, advisable and in the best interests of, the Cohu stockholders or Xcerra stockholders, as applicable. The Cohu Board unanimously recommends that Cohu stockholders vote: (1) **FOR** the Stock Issuance Proposal and (2) **FOR** the Cohu Adjournment Proposal at the Cohu Special Meeting. The Xcerra Board unanimously recommends that Xcerra stockholders vote: (1) **FOR** the approval of the Merger Agreement; (2) **FOR** any Xcerra Adjournment Proposal; and (3) **FOR** the Xcerra Non-Binding Advisory Proposal. See *The Merger Recommendation of Cohu's Board*

of Directors and Cohu's Reasons for the Merger and *The Merger Recommendation of Xcerra's Board of Directors and Xcerra's Reasons for the Merger* for more information.

Q: What vote is required to approve each proposal on the agenda for the Cohu Special Meeting?

A: The approval of the Stock Issuance Proposal requires the affirmative vote of a majority of shares of Cohu Common Stock present in person or represented by proxy at the Cohu Special Meeting and entitled to vote, assuming a quorum is present. If you are a Cohu stockholder who attends the Cohu Special Meeting in person or by proxy, and you abstain from voting, that will have the same effect as a vote **AGAINST** approval of the Stock Issuance Proposal. Shares not in attendance whether by proxy or in person at the Cohu Special Meeting and broker non-votes will have no effect on the outcome of the Stock Issuance Proposal, provided that a quorum is achieved. See *Questions and Answers about the Special Meetings and the Merger - What if I don't provide my bank, broker or other nominee with instructions on how to vote?* for an explanation of broker non-votes.

Table of Contents

To approve the Cohu Adjournment Proposal, the affirmative vote of a majority of the shares of Cohu Common Stock present in person or represented by proxy at the Cohu Special Meeting and entitled to vote is required, regardless of whether a quorum is present. If you are present in person or represented by proxy at the Cohu Special Meeting abstain from voting, it will have the same effect as a vote **AGAINST** the Cohu Adjournment Proposal, while broker non-votes and shares of Cohu Common Stock not in attendance at the Cohu Special Meeting will have no effect on the outcome of the Cohu Adjournment Proposal. See *The Cohu Special Meeting* for more information.

Q: What vote is required to approve each proposal on the agenda for the Xcerra Special Meeting?

A: The affirmative vote of the holders of two-thirds of the outstanding shares of Xcerra's common stock, par value \$0.05 per share (Xcerra Common Stock) on the close of business on July 27, 2018 (the Xcerra Record Date) is required to approve the Merger Agreement. Approval of the Merger Agreement by Xcerra's stockholders is a condition to the closing of the Merger.

Approval of the proposal to Xcerra Adjournment Proposal, whether or not a quorum is present, requires the affirmative vote of a majority of the shares of Xcerra Common Stock having voting power present in person or represented by proxy at the Xcerra Special Meeting and entitled to vote on the subject matter. Approval of the Xcerra Non-Binding Advisory Proposal requires the affirmative vote of a majority of the shares of Xcerra Common Stock having voting power present in person or represented by proxy at the Xcerra Special Meeting and entitled to vote on the subject matter.

If an Xcerra stockholder abstains from voting, that abstention will have the same effect as if the stockholder voted **AGAINST** the proposal to approve the Merger Agreement. For Xcerra stockholders who abstain from voting their shares of Xcerra Common Stock, such abstention will have the same effect as if such Xcerra stockholder voted **AGAINST** any Xcerra Adjournment Proposal and **AGAINST** the Xcerra Non-Binding Advisory Proposal. An abstention occurs when a stockholder attends a meeting either (i) in person, but abstains from voting or (ii) by proxy, by marking the box labeled Abstain. If an Xcerra stockholder signs and returns its proxy card(s) but does not mark its card(s) to tell the proxies how to vote its shares on each proposal, the shares will be voted as recommended by the Xcerra Board.

See *The Xcerra Special Meeting* for more information.

Q: Why am I being asked to cast a non-binding, advisory vote regarding compensation that will or may become payable to Xcerra's named executive officers in connection with the Merger?

A: SEC rules require Xcerra to seek a non-binding, advisory vote regarding compensation that will or may become payable by Xcerra to its named executive officers in connection with the Merger.

Q: What is the compensation that will or may become payable to Xcerra's named executive officers in connection with the Merger for purposes of this advisory vote?

A: The compensation that will or may become payable by Xcerra to its named executive officers in connection with the Merger is certain compensation that is tied to or based on the Merger and payable to certain of Xcerra's named executive officers. For further detail, see the section captioned *Xcerra Proposal 3: Advisory, Non-binding Vote on Merger-Related Executive Compensation Arrangements*.

Q: What will happen if stockholders do not approve the compensation that will or may become payable by Xcerra to its named executive officers in connection with the Merger at the Xcerra Special Meeting?

A: Approval of the Xcerra Non-Binding Advisory Proposal is not a condition to completion of the Merger. The vote with respect to the Xcerra Non-Binding Advisory Proposal is an advisory vote and will not be binding on Xcerra. If the Merger Agreement is approved by the Xcerra stockholders and the Merger is completed, the

Table of Contents

compensation that will or may become payable by Xcerra to its named executive officers in connection with the Merger may be paid to Xcerra's named executive officers even if the Xcerra stockholders fail to approve the Xcerra Non-Binding Advisory Proposal.

Q: What is the difference between holding shares as a stockholder of record and in street name?

A: If your shares are registered directly in your name with Cohu's or Xcerra's transfer agent, you are considered, with respect to those shares, to be the stockholder of record. In this case, this joint proxy statement/prospectus and your proxy card have been sent directly to you by Cohu or Xcerra.

If your shares are held through a bank, broker or other nominee, you are considered the beneficial owner of shares of common stock held in street name. In that case, this joint proxy statement/prospectus has been forwarded to you by your bank, broker or other nominee who is considered, with respect to those shares, to be the stockholder of record. As the beneficial owner, you have the right to direct your bank, broker or other nominee how to vote your shares by following their instructions for voting. You are also invited to attend the Cohu Special Meeting (if you are a beneficial owner of Cohu Common Stock) or the Xcerra Special Meeting (if you are a beneficial owner of Xcerra Common Stock). However, because you are not the stockholder of record, you may not vote your shares of Cohu Common Stock or Xcerra Common Stock in person at the Cohu Special Meeting or the Xcerra Special Meeting, respectively, unless you obtain a legal proxy from your bank, broker or other nominee.

Q: What will happen in the Merger?

A: In the Merger, Merger Sub, a wholly owned subsidiary of Cohu, will merge with and into Xcerra, the separate corporate existence of Merger Sub will cease, and Xcerra will continue as the surviving corporation of the Merger (the Surviving Corporation) and a wholly owned subsidiary of Cohu. If the Merger is completed, the Xcerra Common Stock will be delisted from NASDAQ and will be deregistered under the Securities Exchange Act of 1934, as amended (the Exchange Act).

Q: Will the Merger affect the board of directors of Cohu after the Merger?

A: Yes. At the effective time of the Merger (the Effective Time), two members of the Xcerra Board will be appointed to the Cohu Board.

Q: What will Xcerra stockholders receive in the Merger?

A: At the Effective Time, each share of Xcerra Common Stock issued and outstanding immediately prior to the Effective Time (other than (a) dissenting shares and (b) shares held by Cohu, Merger Sub, Xcerra or any direct or indirect wholly owned subsidiary of Cohu or Xcerra (Cancelled Shares)) will be converted into the right to receive (i) \$9.00 in cash, without interest (the Cash Consideration), and (ii) 0.2109 of a validly issued, fully paid and nonassessable share of Cohu Common Stock, (the Stock Consideration) and, together with the Cash

Consideration, the Merger Consideration).

Q: How does the Merger Consideration compare to the unaffected market price of the Xcerra Common Stock?

A: As of [], 2018, the most recently ended full trading day prior to the date of this joint proxy statement/prospectus, the Merger Consideration constitutes a premium of (1) approximately []% to the closing price of Xcerra Common Stock on May 7, 2018, the last full trading day prior to the date on which the Merger was announced and (2) approximately []% to the average closing price of Xcerra Common Stock over the 30 trading day period ending on May 7, 2018, the last full trading day prior to the date on which the Merger was announced.

Table of Contents

Q: What percentage of Cohu Common Stock will be owned by former Xcerra stockholders following the consummation of the Merger?

A: Immediately following the consummation of the Merger, former Xcerra stockholders will own approximately 29% of the issued and outstanding Cohu Common Stock based on the number of issued and outstanding shares of Cohu Common Stock and Xcerra Common Stock on July 16, 2018.

Q: Do Xcerra stockholders have appraisal rights?

A: Under the Massachusetts Business Corporation Act (the MBCA), Xcerra is required to state whether it has concluded that Xcerra stockholders are, are not or may be entitled to assert appraisal rights, which are generally available to stockholders of a merging Massachusetts corporation under Section 13.02(a)(1) of the MBCA, subject to certain exceptions. For the reasons described under the caption *The Merger Appraisal Rights for Xcerra Stockholders*, Xcerra has concluded that Xcerra stockholders may be entitled to appraisal rights. The relevant provisions of the MBCA have not been the subject of judicial interpretation and Xcerra and Cohu reserve the right to contest the validity and availability of any purported demand for appraisal rights in connection with the Merger.

Under Part 13 of the MBCA, Xcerra stockholders who believe they are or may be entitled to appraisal rights in connection with the Merger must, in order to exercise those rights:

prior to the Xcerra Special Meeting, deliver to Xcerra a written notice of intent to demand payment for such stockholders' shares of Xcerra Common Stock if the Merger is effectuated;

NOT vote for the proposal to approve the Merger Agreement; and

comply with the other procedures under Part 13 of the MBCA.

Failure to follow exactly the procedures specified under the MBCA may result in the loss of any appraisal rights. If you hold your shares of Xcerra Common Stock through a bank, brokerage firm or other nominee and you wish to exercise appraisal rights, you should consult with your bank, brokerage firm or other nominee to determine the appropriate procedures for the making of a demand for appraisal by your bank, brokerage firm or nominee. See the section captioned *The Merger Appraisal Rights for Xcerra Stockholders* and the text of Part 13 of the MBCA reproduced in its entirety as Annex D to this joint proxy statement/prospectus.

Q: Do any of Cohu's directors or officers have interests in the Merger that may differ from those of Cohu's stockholders generally?

A: Yes. In considering the recommendation of the Cohu Board with respect to the Stock Issuance Proposal, Cohu stockholders should be aware that Cohu's directors and executive officers may have interests in the Merger that

are different from, or in addition to, the interests of Cohu stockholders generally. In (i) evaluating and negotiating the Merger Agreement, (ii) approving the Merger Agreement and the Merger, and (iii) recommending that the Cohu stockholders approve the Stock Issuance Proposal, the Cohu Board was aware of and considered these interests to the extent that they existed at the time, among other matters. For more information, see the section of this joint proxy statement/prospectus captioned *The Merger Interests of Cohu's Directors and Executive Officers in the Merger*.

We currently expect that Cohu's directors and executive officers will vote their shares of Cohu Common Stock (1) **FOR** the Stock Issuance Proposal and (2) **FOR** the Cohu Adjournment Proposal, although none of them has entered into any agreement requiring them to do so.

Q: *Do any of Xcerra's directors or officers have interests in the Merger that may differ from those of Xcerra's stockholders generally?*

A: Yes. In considering the recommendation of the Xcerra Board with respect to the proposal to approve the Merger Agreement, Xcerra stockholders should be aware that Xcerra's directors and executive officers may

Table of Contents

have interests in the Merger that are different from, or in addition to, the interests of Xcerra stockholders generally. In (i) evaluating and negotiating the Merger Agreement; (ii) approving the Merger Agreement and the Merger; and (iii) recommending that the Merger Agreement be approved by Xcerra stockholders, the Xcerra Board was aware of and considered these interests to the extent that they existed at the time, among other matters. For more information, see the section of this proxy statement captioned *The Merger Interests of Xcerra's Directors and Executive Officers in the Merger*.

We currently expect that Xcerra's directors and executive officers will vote their shares of Xcerra Common Stock (1) **FOR** the approval of the Merger Agreement; (2) **FOR** any Xcerra Adjournment Proposal; and (3) **FOR** the Xcerra Non-Binding Advisory Proposal.

Q: When do you expect to complete the Merger?

A: While Cohu and Xcerra expect to complete the Merger in the fourth calendar quarter of 2018, the completion of the Merger is subject to the satisfaction of certain conditions to closing, including the receipt of required regulatory approvals. See *The Merger Agreement Conditions to the Closing of the Merger*.

Q: What is required to complete the Merger?

A: Each of Cohu's and Xcerra's obligation to consummate the Merger is subject to a number of conditions specified in the Merger Agreement, including the following: (i) approval of the issuance of Cohu Common Stock in the Merger by the affirmative vote of the holders of a majority of the outstanding shares of Cohu Common Stock represented in person or by proxy at the Cohu Special Meeting; (ii) approval of the Merger Agreement by the affirmative vote of the holders of two-thirds of the outstanding shares of Xcerra Common Stock; (iii) expiration or termination of the waiting period under the Hart-Scott-Rodino Antitrust Improvements Act of 1976 and receipt of customary antitrust clearances in Germany; (iv) the Cohu Common Stock to be issued in the Merger being approved for listing on NASDAQ; (v) the Registration Statement on Form S-4 (the Registration Statement) which will be filed by Cohu with respect to the Cohu Common Stock to be issued in the Merger being declared effective by the SEC; (vi) the representations and warranties of each of Cohu and Xcerra being true and correct, subject to the materiality standards contained in the Merger Agreement; (vii) the absence of specified adverse laws or orders; (viii) material compliance by each of Cohu and Xcerra with its respective covenants contained in the Merger Agreement; and (ix) the absence of a material adverse effect with respect to the other party after execution of the Merger Agreement. The consummation of the Merger is not subject to a financing condition.

Q: What are the U.S. federal income tax consequences of the Merger to U.S. holders of Xcerra Common Stock?

A: The exchange of Xcerra Common Stock pursuant to the Merger will be a taxable transaction for U.S. federal income tax purposes. Accordingly, a U.S. holder (as defined in *Material United States Federal Income Tax Consequences*) of Xcerra Common Stock who receives the Merger Consideration in exchange for such U.S. holder's shares of Xcerra Common Stock generally will recognize taxable gain or loss in an amount equal to the difference, if any, between the Cash Consideration plus the fair market value of the Stock Consideration received

and such U.S. holder's adjusted tax basis in the shares of Xcerra Common Stock that are exchanged. See *Material United States Federal Income Tax Consequences* for more information.

Q: What is the amount of debt financing to be incurred in connection with the Merger?

A: In connection with the proposed Merger, on May 7, 2018, Cohu obtained a financing commitment (the Commitment Letter) from Deutsche Bank AG New York Branch (the Lender) pursuant to which the Lender (acting alone or through or with affiliates selected by it) has committed to provide to Cohu a first lien term loan facility in an aggregate principal amount of \$350.0 million (the Term Facility) and if cash

Table of Contents

on hand of Xcerra is not available at the closing of the Merger, a cash bridge facility in an aggregate principal amount of up to \$100.0 million (the Cash Bridge Facility and, together with the Term Facility, the Facilities) to finance a portion of the Cash Consideration and pay related costs and expenses. The obligations of the Lender to provide the Facilities are subject to a number of customary conditions. The Commitment Letter terminates upon the earliest of (i) the valid termination or abandonment of the Merger Agreement prior to the consummation of the Merger, (ii) the consummation of the Merger without the use of any Facility, and (iii) the Termination Date (as defined in the Merger Agreement and including any extension of the Termination Date in accordance with the Merger Agreement).

Q: What is the Marketing Period?

A: The Marketing Period (as defined in *The Merger Agreement Closing and Effective Time*) is the first period of twenty consecutive business days, subject to certain terms and excluded dates set forth in the Merger Agreement, commencing on the first date when and throughout which period (i) Cohu will have received from Xcerra certain required financing information in connection with the debt financing and such financing information meets certain requirements set forth in the Merger Agreement and (ii) the conditions to each party's obligation to effect the Merger and the conditions to the obligations of Cohu and Merger Sub to effect the Merger will have been satisfied and nothing has occurred and no condition or state of fact exists that would cause any of such conditions to fail to be satisfied assuming the closing were to be scheduled for any time during such twenty consecutive business day period. For more information about the Marketing Period please see *The Merger Agreement Closing and Effective Time*.

Q: Should Xcerra stockholders send in stock certificates now?

A: **NO, XCERRA STOCKHOLDERS SHOULD NOT SEND STOCK CERTIFICATE(S) WITH THE PROXY CARD(S).** If the Merger is completed, Cohu will send Xcerra stockholders written instructions for sending in their stock certificates or, in the case of book-entry shares, for surrendering their book-entry shares. See *The Merger Agreement Exchange and Payment Procedures* for more information.

Q: Who can answer my questions about the Merger?

A: If you have any questions about the Merger or the Cohu Special Meeting or Xcerra Special Meeting, need assistance in voting your shares of Cohu Common Stock or Xcerra Common Stock, or need additional copies of this joint proxy statement/prospectus or the enclosed proxy card(s), you should contact:

If you are a Cohu stockholder:

Okapi Partners LLC

1212 Avenue of the Americas, 24th Floor

New York, New York 10036

Banks and Brokerage Firms, call: (212) 297-0720

Stockholders and All Others, call toll-free: (877) 629-6357

Email: info@okapipartners.com

If you are an Xcerra stockholder:

The Proxy Advisory Group, LLC

Toll free: 888-337-7699 or 888-33PROXY

Collect: 212-616-2180

Q: When and where are the special meetings?

A: The Cohu Special Meeting will be held at Cohu's corporate offices, located at 12367 Crosthwaite Circle, Poway, California 92064-6817 at 8:30 a.m., Pacific Time, on August 30, 2018.

Table of Contents

The Xcerra Special Meeting will be held on August 30, 2018, at 9:30 a.m., Eastern Time, at the offices of Xcerra at 825 University Avenue, Norwood, Massachusetts 02062.

Q: Who is eligible to vote at the Cohu and the Xcerra Special Meetings?

A: Owners of Cohu Common Stock are eligible to vote at the Cohu Special Meeting if they are stockholders of record at the close of business on July 30, 2018 (the Cohu Record Date). See *The Cohu Special Meeting Record Date; Outstanding Shares; Shares Entitled to Vote* for more information.

Owners of Xcerra Common Stock are eligible to vote at the Xcerra Special Meeting if they are stockholders of record at the close of business on the Xcerra Record Date. See *The Xcerra Special Meeting Xcerra Record Date; Shares Entitled to Vote; Quorum* for more information.

Q: Does my vote matter?

A: Yes, your vote is very important. Cohu and Xcerra cannot consummate the Merger unless Xcerra stockholders approve the Merger Agreement and the Cohu stockholders approve the Stock Issuance Proposal. Whether or not you plan to attend the Cohu Special Meeting or Xcerra Special Meeting, please vote as soon as possible by following the instructions in this joint proxy statement/prospectus.

In the event the Merger is not consummated for any reason, Xcerra will remain an independent public company, Xcerra Common Stock will continue to be listed and traded on NASDAQ and registered under the Exchange Act, and Xcerra will continue to file public reports with the SEC. Under specified circumstances, Xcerra will be required to pay Cohu a termination fee upon the termination of the Merger Agreement; and under different specified circumstances, Cohu will be required to pay Xcerra a termination fee upon the termination of the Merger Agreement. See *The Merger Agreement Termination Fees* for more information.

Q: What constitutes a quorum?

A: For purposes of the Cohu Special Meeting, a quorum is the presence at the Cohu Special Meeting, either in person or by proxy, of holders of shares of outstanding Cohu Common Stock entitled to vote at the Cohu Special Meeting representing at least a majority of the outstanding voting power of Cohu Common Stock.

For purposes of the Xcerra Special Meeting, a quorum is the presence at the Xcerra Special Meeting, either in person or by proxy, of holders of shares of outstanding Xcerra Common Stock entitled to vote at the Xcerra Special Meeting representing at least a majority of the outstanding voting power of Xcerra Common Stock.

Shares of Cohu Common Stock or Xcerra Common Stock that are represented in person or by proxy at the Cohu Special Meeting or the Xcerra Special Meeting, respectively, but for which the holders have abstained from voting, if any, will be included in the calculation of the number of shares of Cohu Common Stock or Xcerra Common Stock represented at the Cohu Special Meeting or Xcerra Special Meeting, respectively, for purposes of determining whether a quorum has been achieved. Broker non-votes will not be included in the calculation of the number of shares of Cohu

Common Stock or Xcerra Common Stock represented at the Cohu Special Meeting or Xcerra Special Meeting, respectively, for purposes of determining whether quorum has been achieved.

Q: What should I do now?

A: You should read this joint proxy statement/prospectus carefully, including the annexes, and return your completed, signed and dated proxy card(s) by mail in the enclosed postage-paid envelope or submit your voting instructions by telephone or over the Internet as soon as possible so that your shares will be represented and voted at the Cohu Special Meeting or the Xcerra Special Meeting, as applicable. A number

Table of Contents

of banks and brokerage firms participate in a program that also permits stockholders whose shares are held in street name to direct their vote by telephone or over the Internet. This option, if available, will be reflected in the voting instructions from the bank or brokerage firm that accompany this joint proxy statement/prospectus. If your shares are held in an account at a bank or brokerage firm that participates in such a program, you may direct the vote of these shares by telephone or over the Internet by following the voting instructions enclosed with the proxy form from the bank or brokerage firm. See *The Cohu Special Meeting* and *The Xcerra Special Meeting* for more information.

Q: What happens if I sell or otherwise transfer my shares before the Cohu Special Meeting or the Xcerra Special Meeting?

A: If you transfer your shares of Xcerra Common Stock or Cohu Common Stock after the Xcerra Record Date or the Cohu Record Date, as applicable, but before the Xcerra Special Meeting or Cohu Special Meeting, respectively, you will retain (subject to any arrangements made with the purchaser of such stockholder's shares) your right to vote at the Xcerra Special Meeting or Cohu Special Meeting, as applicable. In order for Xcerra stockholders to receive the Merger Consideration pursuant to the Merger, they must hold their shares of Xcerra Common Stock through the Effective Time.

Q: How do I vote my shares of Cohu Common Stock?

A: You may vote your shares of Cohu Common Stock by proxy or, subject to the below, in person at the Cohu Special Meeting. Cohu recommends that you submit your proxy even if you plan to attend the Cohu Special Meeting. If you submit your proxy, you may change your vote if you attend and vote at the Cohu Special Meeting; however, mere attendance at the Cohu Special Meeting after submitting your proxy will have no effect on your vote.

You may use the enclosed proxy card(s) to tell the persons named as proxies how to vote your shares of Cohu Common Stock. If you properly complete, sign and date your proxy card(s) or submit your voting instructions by telephone or over the Internet, your shares of Cohu Common Stock will be voted in accordance with your instructions. The named proxies will vote all shares of Cohu Common Stock at the Cohu Special Meeting for which proxies have been properly submitted (whether by mail, telephone or over the Internet) and not revoked.

The deadline for voting electronically through the Internet or by telephone is 11:59 p.m., Eastern Time, on August 29, 2018.

Q: How do I vote my shares of Xcerra Common Stock?

A: If you hold shares of Xcerra Common Stock that are registered in your name with Xcerra's transfer agent, Computershare Investor Services, you may cause such shares of Xcerra Common Stock to be voted by returning a signed and dated proxy card in the accompanying prepaid envelope, or may vote in person at the Xcerra Special Meeting. Additionally, you may grant a proxy electronically over the Internet or by telephone by following the instructions on the enclosed proxy card. You must have the enclosed proxy card available, and follow the

instructions on the proxy card, in order to grant a proxy electronically over the Internet or by telephone. Based on the received proxy cards or Internet and telephone proxies, the proxy holders will vote your shares of Xcerra Common Stock according to your directions.

If you plan to attend the Xcerra Special Meeting and wish to vote in person, you will be given a ballot at the Xcerra Special Meeting. Even if shares of Xcerra Common Stock are registered in your name, you are encouraged to vote by proxy even if you plan to attend the Xcerra Special Meeting in person. If you attend the Xcerra Special Meeting and vote in person by ballot, such vote will revoke any previously submitted proxy.

The deadline for voting electronically through the Internet or by telephone is 11:59 p.m., Eastern Time, on August 29, 2018.

Table of Contents

Q: What if I hold shares in both Cohu and Xcerra?

A: If you are a Cohu Stockholder and an Xcerra Stockholder, you will receive two separate packages of proxy materials. A vote as an Xcerra stockholder for the proposal to approve the Merger Agreement will not constitute a vote as a Cohu stockholder for approval of Stock Issuance Proposal, or vice versa. **THEREFORE, PLEASE, SIGN, DATE AND RETURN ALL PROXY CARDS THAT YOU RECEIVE, WHETHER FROM COHU OR XCERRA, OR SUBMIT A PROXY AS BOTH A COHU STOCKHOLDER AND AN XCERRA STOCKHOLDER OVER THE INTERNET.**

Q: What is a Proxy?

A: A proxy is your legal designation of another person, referred to as a proxy, to vote your shares of Cohu Common Stock or Xcerra Common Stock, as applicable. The written document describing the matters to be considered and voted on at the Cohu Special Meeting and the Xcerra Special Meeting, respectively, is called a proxy statement. The document used to designate a proxy to vote your shares of Cohu Common Stock or Xcerra Common Stock, as applicable, is called a proxy card.

With respect to the matters to be voted on at the Cohu Special Meeting, Luis A. Müller, Cohu's President and Chief Executive Officer, Jeffrey D. Jones, Cohu's VP Finance and Chief Financial Officer, and Thomas D. Kampfner, Cohu's VP, Corporate Development, General Counsel and Secretary, with full power of substitution, are the proxy holders for the Cohu Special Meeting.

With respect to the matters to be voted on at the Xcerra Special Meeting, David G. Tacelli, Xcerra's President and Chief Executive Officer, Mark J. Gallenberger, Xcerra's Chief Financial Officer and Chief Operating Officer, and Colin Savoy, Xcerra's Chief Legal Counsel and Corporate Secretary, with full power of substitution, are the proxy holders for the Xcerra Special Meeting.

Q: If I am planning to attend the Cohu Special Meeting or Xcerra Special Meeting, should I return my proxy card(s)?

A: Yes. Returning your completed, signed and dated proxy card(s) or voting by telephone or over the Internet ensures that your shares will be represented and voted at the Cohu Special Meeting or Xcerra Special Meeting, as applicable, in the case you are unable to attend. See *The Cohu Special Meeting How to Vote* and *The Xcerra Special Meeting Voting of Proxies* for more information.

Q: How will my proxy be voted?

A: If you complete, sign and date your proxy card(s) or vote by telephone or over the Internet, your shares of Cohu Common Stock or Xcerra Common Stock will be voted in accordance with your instructions. If you sign and date your proxy card(s) but do not indicate how you want to vote at the Cohu Special Meeting or Xcerra Special Meeting, respectively:

for Cohu stockholders of record as of the Cohu Record Date, your shares of Cohu Common Stock will be voted **FOR** the Stock Issuance Proposal and **FOR** any Cohu Adjournment Proposal.

for Xcerra stockholders of record as of the Xcerra Record Date, your shares of Xcerra Common Stock will be voted **FOR** the approval of the Merger Agreement; **FOR** any Xcerra Adjournment Proposal; and **FOR** the Xcerra Non-Binding Advisory Proposal.

Q. Can I change my vote after I mail my proxy card(s) or vote by telephone or over the Internet?

A: Yes. If you are a stockholder of record of Cohu Common Stock or of Xcerra Common Stock (that is, you hold your shares in your own name and not through a bank, broker or other nominee) as of the close of business on the Cohu Record Date or Xcerra Record Date, as applicable, you can change your vote by:

sending a written notice to the corporate secretary of Cohu or Xcerra, as applicable, that is received prior to your special meeting and states that you revoke your proxy;

Table of Contents

signing, dating and delivering a new valid proxy card(s) bearing a later date that is received prior to the Cohu Special Meeting or Xcerra Special Meeting, as applicable;

voting again by telephone or over the Internet by 11:59 p.m. Eastern Time on August 29, 2018; or

attending the Cohu Special Meeting or Xcerra Special Meeting, as applicable, and voting in person, although your attendance alone will not revoke your proxy.

If your shares are held in a street name account, you must contact your broker, bank or other nominee to change your vote.

Q: What if my bank, broker or other nominee holds my shares in street name ?

A: If a bank, broker or other nominee holds your shares for your benefit but not in your own name, your shares are in street name. In that case, your bank, broker or other nominee will send you a voting instruction form to use in voting your shares. The availability of telephone and Internet voting depends on the voting procedures of your bank, broker or other nominee. Please follow the instructions on the voting instruction form sent to you by your bank, broker or other nominee. If your shares are held in street name and you wish to vote in person at the Cohu Special Meeting or Xcerra Special Meeting, you must contact your bank, broker or other nominee and request a document called a legal proxy. You must bring this legal proxy to the Cohu Special Meeting or Xcerra Special Meeting, as applicable, in order to vote in person.

Q: What if I don't provide my bank, broker or other nominee with instructions on how to vote?

A: Generally, a bank, broker or other nominee may vote the shares that it holds for you only in accordance with your instructions. However, if your bank, broker or other nominee has not received your instructions, your bank, broker or other nominee has the discretion to vote on certain matters that are considered routine. A broker non-vote occurs if your bank, broker or other nominee cannot vote on a particular matter because your bank, broker or other nominee has not received instructions from you and because the proposal is not routine. None of the matters being presented to Cohu stockholders for a vote at the Cohu Special Meeting or to Xcerra Stockholders at the Xcerra Special Meeting is considered a routine matter. Therefore, your bank, broker or other nominee will not be permitted to vote at the Cohu Special Meeting or Xcerra Special Meeting without instruction from you.

Q: What if I abstain from voting?

A: Your abstention from voting will have the following effect:
If you are a Cohu stockholder:

If a Cohu stockholder abstains from voting, that abstention will have the same effect as if the Cohu stockholder voted **AGAINST** the Stock Issuance Proposal. If a Cohu stockholder abstains from voting, that abstention will have the same effect as if the Cohu stockholder voted **AGAINST** the Cohu Adjournment Proposal. An abstention occurs when a stockholder attends a meeting either (i) in person, but abstains from voting or (ii) by proxy, by marking the box labeled Abstain. If a Cohu stockholder signs and returns its proxy card(s) but does not mark its card(s) to tell the proxies how to vote its shares on each proposal, the shares will be voted as recommended by the Cohu Board.

If you are an Xcerra stockholder:

If an Xcerra stockholder abstains from voting, that abstention will have the same effect as if the Xcerra stockholder voted **AGAINST** the proposal to approve the Merger Agreement. If an Xcerra stockholder abstains from voting, that abstention will have the same effect as if the Xcerra stockholder voted **AGAINST** any Xcerra Adjournment Proposal and **AGAINST** the Xcerra Non-Binding Advisory Proposal. An abstention occurs when a stockholder attends a meeting either (i) in person, but abstains

Table of Contents

from voting or (ii) by proxy, by marking the box labeled Abstain. If an Xcerra stockholder signs and returns its proxy card(s) but does not mark its card(s) to tell the proxies how to vote its shares on each proposal, the shares will be voted as recommended by the Xcerra Board.

Q: What does it mean if I receive multiple proxy cards?

A: You may hold shares in multiple accounts, such as brokerage accounts and 401(k) accounts. It is important that you complete, sign, date and return each proxy card or voting instruction form you receive or vote using the telephone or the Internet as described in the instructions included with your proxy card(s) or voting instruction form(s).

Q: Where can I find the voting results of the special meetings?

A: If available, each of Cohu and Xcerra may announce preliminary voting results at the conclusion of the Cohu Special Meeting and the Xcerra Special Meeting, as applicable. Each of Cohu and Xcerra intends to publish final voting results in a Current Report on Form 8-K to be filed with the SEC following the Cohu Special Meeting and the Xcerra Special Meeting, respectively. All reports that Cohu and Xcerra file with the SEC are publicly available when filed. See the section of this joint proxy statement/prospectus captioned *Where You Can Find More Information*.

Q: What will happen to Xcerra equity awards at the time of the Merger?

A: Pursuant to the Merger Agreement, each Xcerra restricted stock unit (each, an Xcerra RSU) that is outstanding and either (i) vests automatically according to its terms at the Effective Time or (ii) is held by a member of the Xcerra Board (each, a Vested RSU) will be cancelled and terminated as of the Effective Time and the holder of such Vested RSU will receive:

(1) an amount in cash (without interest) equal to the product of (x) \$9.00 *multiplied* by (y) the total number of shares of Xcerra Common Stock represented by such Vested RSU; and

(2) a number of shares of Cohu Common Stock equal to the product of (x) 0.2109 *multiplied* by (y) the total number of shares of Xcerra Common Stock represented by such Vested RSU immediately prior to the Effective Time (such consideration, the Vested RSU Consideration).

Each Xcerra RSU that is outstanding and unvested as of the Effective Time (an Unvested RSU) will be assumed by Cohu and shall be converted into a Cohu restricted stock unit award (each, an Assumed RSU) representing the number of whole shares of Cohu Common Stock equal to the product of (1) the number of shares of Xcerra Common Stock represented by such Unvested RSU immediately prior to the Effective Time *multiplied* by (2) the Equity Award Exchange Ratio, rounded down to the nearest whole share. The Equity Award Exchange Ratio is the sum of (1) 0.2109, plus (2) the quotient of (x) \$9.00 *divided* by (y) the volume weighted average of the trading prices of Cohu Common Stock on each of the three consecutive trading days ending on the trading day that is one trading day prior to the Merger closing date.

Pursuant to the Merger Agreement, Xcerra will not establish any new offering period under Xcerra's Third Amended and Restated Employee Stock Purchase Plan (the Xcerra ESPP) and Xcerra will take all actions necessary so that (i) any offering period and purchase period (or similar period during which shares may be purchased) underway as of the date of the Merger Agreement under the Xcerra ESPP is terminated as of no later than the last payroll date immediately preceding the Effective Time (the Final Exercise Date); (ii) any pro-rata adjustments that may be necessary to reflect any shortened offering period or purchase period (or similar period) are made and so that any such shortened offering period or purchase period (or similar period) is treated as a fully effective and completed offering period or purchase period, as applicable, for all purposes under the Xcerra ESPP; (iii) each participant's shares purchase right under the Xcerra ESPP outstanding as of the Final Exercise Date are exercised as of the Final Exercise Date; (iv) no further offering periods or purchase periods (or similar periods during which shares may be purchased) will commence

Table of Contents

under the Xcerra ESPP on or after the date of the Merger Agreement; (v) no participant in the Xcerra ESPP may increase the rate of his or her contributions to the Xcerra ESPP on or after the date of the Merger Agreement; (vi) no individual who is not participating in the Xcerra ESPP as of the date of the Merger Agreement may commence participation in the Xcerra ESPP on or after the date of the Merger Agreement; and (vii) the Xcerra ESPP is terminated as of the Final Exercise Date, provided, however, that termination of the Xcerra ESPP will be subject to the consummation of the Merger.

For more information see *The Merger Agreement Treatment of Equity-Based Awards*.

Q: Where can I find more information about Cohu and Xcerra?

A: You can find more information about Cohu and Xcerra from various sources described under *Where You Can Find More Information*.

Table of Contents

SUMMARY

This summary highlights selected information from this joint proxy statement/prospectus and might not contain all of the information that is important to you. You should read carefully this entire joint proxy statement/prospectus, including the Annexes, and the other documents to which this joint proxy statement/prospectus refers to understand fully the Merger and the related transactions. In addition, Cohu and Xcerra incorporate by reference into this joint proxy statement/prospectus important business and financial information about Cohu and Xcerra. See *Where You Can Find More Information* for more information. The Merger Agreement is attached as Annex A to this joint proxy statement/prospectus. We encourage you to read the Merger Agreement, which is the legal document that governs the Merger, carefully and in its entirety.

Except as otherwise specifically noted in this joint proxy statement/prospectus, Xcerra refers to Xcerra Corporation, including, in certain cases, its subsidiaries, and Cohu, we, our, us and similar words refer to Cohu, Inc., including, in certain circumstances, its subsidiaries. Throughout this joint proxy statement/prospectus, we refer to Xavier Acquisition Corporation as Merger Sub. In addition, throughout this joint proxy statement/prospectus we refer to the Agreement and Plan of Merger, dated May 7, 2018, by and among Xcerra, Cohu and Merger Sub, as the Merger Agreement.

Information About Cohu

Cohu is a corporation organized under the laws of the State of Delaware and is a leading supplier of semiconductor test and inspection handlers, micro-electro mechanical system (MEMS) test modules, test contactors and thermal sub-systems used by global semiconductor manufacturers and test subcontractors. Cohu develops, manufactures, sells and services a broad line of equipment capable of handling a wide range of integrated circuits and light-emitting diodes (LEDs).

Cohu Common Stock is listed on the NASDAQ Global Select Market (NASDAQ) under the symbol COHU. Cohu's principal executive offices are located at 12367 Crosthwaite Circle, Poway, California, 92064-6817. Cohu's telephone number is (858) 848-8100 and its website is www.cohu.com.

Information About Merger Sub

Merger Sub, a wholly owned subsidiary of Cohu, is a Delaware corporation that was formed on May 4, 2018 for the purpose of effecting the Merger. In the Merger, Merger Sub will be merged with and into Xcerra, with Xcerra surviving as a wholly owned subsidiary of Cohu. Merger Sub's principal executive offices are located at c/o Cohu, Inc., 12367 Crosthwaite Circle, Poway, California, 92064-6817. Merger Sub's telephone number is (858) 848-8100.

Information About Xcerra

Xcerra is a corporation organized under the laws of Massachusetts and is a global provider of test and handling capital equipment, interface products, test fixtures and related services to the semiconductor and electronics manufacturing industries. Xcerra designs, manufactures and markets products and services that address the broad, divergent requirements of the mobility, industrial, medical, automotive and consumer end markets, offering a comprehensive portfolio of solutions and technologies and a global network of strategically deployed applications and support resources. Xcerra operates in the semiconductor and electronics manufacturing test markets through its atg-Luther & Maelzer, Everett Charles Technologies (ECT), LTX-Credence and Multitest businesses. Xcerra has a broad spectrum of semiconductor and printed circuit board (PCB) test expertise that drives innovative new products and services and its ability to deliver fully integrated semiconductor test solutions.

Table of Contents

Xcerra Common Stock is listed on NASDAQ under the symbol XCRA. Xcerra's principal executive offices and global headquarters are located at 825 University Avenue, Norwood, Massachusetts 02062. Xcerra's telephone number is (781) 461-1000 and its website is www.xcerra.com.

The Merger

Upon the terms and subject to the conditions of the Merger Agreement, and in accordance with Massachusetts and Delaware law, at the Effective Time, Merger Sub will merge with and into Xcerra. The separate corporate existence of Merger Sub will cease, and Xcerra will continue as the Surviving Corporation and a wholly owned subsidiary of Cohu.

We encourage you to read the Merger Agreement, which governs the Merger and is attached as Annex A to this joint proxy statement/prospectus, because it sets forth the terms of the Merger.

Merger Consideration (page 82)

At the Effective Time, each share of Xcerra Common Stock issued and outstanding immediately prior to the Effective Time (other than dissenting shares and Cancelled Shares) will be converted into the right to the Merger Consideration.

Financing Relating to the Merger (beginning on page 140)

In connection with the Merger, on May 7, 2018, Cohu obtained the Commitment Letter from the Lender, pursuant to which the Lender (acting alone or through or with affiliates selected by it) has committed to provide the Facilities to finance a portion of the Cash Consideration and pay related costs and expenses. The obligations of the Lender to provide the Facilities are subject to a number of customary conditions. The Commitment Letter terminates upon the earliest of (i) the valid termination or abandonment of the Merger Agreement prior to the consummation of the Merger, (ii) the consummation of the Merger without the use of such Facility, and (iii) the Termination Date (as defined in and including as extended in accordance with the Merger Agreement).

Recommendations of the Cohu Board and Cohu's Reasons for the Merger (beginning on page 95)

At the meeting of the Cohu Board on May 7, 2018, after careful consideration, including detailed discussions with Cohu's management and its legal and financial advisors, all of the directors present at the meeting unanimously approved and declared advisable the Merger Agreement and the transactions contemplated thereby, including the Merger, and determined that the Merger Agreement and the transactions contemplated thereby, including the Merger, are fair to, advisable and in the best interests of, Cohu and the Cohu stockholders. In evaluating the Merger, the Cohu Board consulted with Cohu's management, as well as Cohu's legal and financial advisors and, in reaching a conclusion to approve the Merger and related transactions and to recommend that Cohu stockholders approve the Stock Issuance Proposal, the Cohu Board reviewed a significant amount of information and considered a number of factors, including those listed in *The Merger Recommendation of the Cohu Board and Cohu's Reasons for the Merger*. The Cohu Board recommends that Cohu stockholders vote: (1) **FOR** the Stock Issuance Proposal and (2) **FOR** any Cohu Adjournment Proposal, if applicable.

Recommendations of the Xcerra Board and Xcerra's Reasons for the Merger (beginning on page 97)

The Xcerra Board, after considering various factors described under the caption *The Merger Reasons for the Merger and Recommendation of the Xcerra Board*, has unanimously (A) determined that the terms of the Merger and the other transactions contemplated by the Merger Agreement are fair to, and in the best interests of,

Table of Contents

Xcerra and its stockholders, (B) determined that it is in the best interests of Xcerra and its stockholders, and declared it advisable, to enter into the Merger Agreement, (C) approved the execution and delivery by Xcerra of the Merger Agreement, the performance by Xcerra of its covenants and agreements contained therein and the consummation of the Merger and the other transactions contemplated by the Merger Agreement upon the terms and subject to the conditions contained therein and (D) resolved to recommend that the Xcerra stockholders approve the Merger Agreement in accordance with the MBCA, subject to the conditions contained therein. The Xcerra Board recommends that Xcerra stockholders vote: (1) **FOR** the approval of the Merger Agreement; (2) **FOR** the adjournment of the Xcerra Special Meeting, if necessary or appropriate, to solicit additional proxies if there are insufficient votes to approve the Merger Agreement at the time of the Xcerra Special Meeting; and (3) **FOR** the non-binding, advisory proposal to approve compensation that will or may become payable to Xcerra's named executive officers in connection with the Merger.

Opinions of Financial Advisors (beginning on page 103 for Cohu's financial advisor and on page 112 for Xcerra's financial advisor)***Opinion of Cohu's Financial Advisor, Deutsche Bank (beginning on page 103)***

At the May 7, 2018 meeting of the Cohu Board, Deutsche Bank Securities Inc. (Deutsche Bank) rendered its oral opinion to the Cohu Board, subsequently confirmed by delivery of a written opinion dated May 7, 2018, to the effect that, as of the date of such opinion, and based upon and subject to the assumptions, limitations, qualifications and conditions described in Deutsche Bank's opinion, the Merger Consideration of \$9.00 in cash and 0.2109 of a share of Cohu Common Stock proposed to be paid per share of Xcerra Common Stock in the Merger pursuant to the Merger Agreement was fair, from a financial point of view, to Cohu.

The full text of Deutsche Bank's written opinion, dated May 7, 2018, which sets forth the assumptions made, procedures followed, matters considered and limitations, qualifications and conditions on the review undertaken by Deutsche Bank in connection with its opinion, is included in this joint proxy statement/prospectus as Annex B. The summary of Deutsche Bank's opinion set forth in this joint proxy statement/prospectus is qualified in its entirety by reference to the full text of the opinion. Deutsche Bank's opinion was approved and authorized for issuance by a Deutsche Bank fairness opinion review committee and was addressed to, and was for the use and benefit of, the Cohu Board in connection with and for the purpose of its evaluation of the Merger. Deutsche Bank's opinion was limited to the fairness, from a financial point of view, to Cohu of the Merger Consideration of \$9.00 in cash and 0.2109 of a share of Cohu Common Stock proposed to be paid per share of Xcerra Common Stock pursuant to the Merger Agreement as of the date of the opinion. Cohu did not ask Deutsche Bank to, and Deutsche Bank's opinion did not, address the fairness of the Merger, or any consideration received in connection therewith, to the holders of any class of securities, creditors or other constituencies of Cohu, nor did it address the fairness of the contemplated benefits of the Merger. Deutsche Bank expressed no opinion as to the merits of the underlying decision by Cohu to engage in the Merger or the relative merits of the Merger as compared to any alternative transactions or business strategies.

Opinion of Xcerra's Financial Advisor, Cowen (beginning on page 112)

Xcerra retained Cowen and Company, LLC (Cowen) to act as its exclusive financial advisor in connection with certain potential strategic transactions, including a possible sale of, or other business combination involving, Xcerra, and to render an opinion to the Xcerra Board as to the fairness, from a financial point of view, of the Merger Consideration to be received by the Xcerra stockholders in the Merger.

In connection with the Merger, Cowen delivered its opinion to the Xcerra Board to the effect that, as of May 7, 2018, and subject to the various assumptions and limitations set forth therein, the Merger Consideration

Table of Contents

of \$9.00 in cash and 0.2109 of a share of Cohu Common Stock to be received by the Xcerra stockholders in the Merger was fair, from a financial point of view, to such stockholders, other than Cohu and its affiliates. **The full text of the written opinion of Cowen, dated May 7, 2018, is attached as Annex C hereto and is incorporated by reference. Xcerra encourages stockholders to read the opinion in its entirety for the assumptions made, procedures followed, other matters considered and limits of the review by Cowen. Cowen's analyses and opinion were prepared for and addressed to the Xcerra Board and are directed only to the fairness, from a financial point of view, of the Merger Consideration to be received by the Xcerra stockholders in the Merger, other than Cohu and its affiliates. Cowen's opinion is not a recommendation to any stockholder or any other person as to how to vote with respect to the Merger or to take any other action in connection with the Merger or otherwise. For more information, see the section of this joint proxy statement/prospectus captioned *The Merger Opinion of Xcerra's Financial Advisor, Cowen.***

Effect of the Merger on Xcerra's Equity Awards (beginning on page 138)

Treatment of Restricted Stock Units

As a result of the Merger, the treatment of Xcerra's equity awards that are outstanding immediately prior to the Effective Time will be as follows:

Each Xcerra RSU that is a Vested RSU will be cancelled and terminated as of the Effective Time and the holder of such Vested RSU will receive the Vested RSU Consideration, which is composed of:

- (1) an amount in cash (without interest) equal to the product of (x) \$9.00 *multiplied* by (y) the total number of shares of Xcerra Common Stock represented by such Vested RSU; and
- (2) a number of shares of Cohu Common Stock equal to the product of (x) 0.2109 *multiplied* by (y) the total number of shares of Xcerra Common Stock represented by such Vested RSU immediately prior to the Effective Time.

Each Unvested RSU will be assumed by Cohu and shall be converted into an Assumed RSU representing the number of whole shares of Cohu Common Stock equal to the product of (1) the number of shares of Xcerra Common Stock represented by such Unvested RSU immediately prior to the Effective Time *multiplied* by (2) the Equity Award Exchange Ratio, rounded down to the nearest whole share. The Equity Award Exchange Ratio is calculated as the sum of (1) 0.2109, plus (2) the quotient of (x) \$9.00 *divided by* (y) the volume weighted average of the trading prices of Cohu Common Stock on each of the three consecutive trading days ending on the trading day that is one trading day prior to the Merger closing date.

Treatment of Purchase Rights under the Employee Stock Purchase Plan

Pursuant to the Merger Agreement, Xcerra will not establish any new offering period under the Xcerra ESPP and Xcerra will take all actions necessary so that (i) any offering period and purchase period (or similar period during which shares may be purchased) underway as of the date of the Merger Agreement under the Xcerra ESPP is terminated as of the Final Exercise Date; (ii) any pro-rata adjustments that may be necessary to reflect any shortened offering period or purchase period (or similar period) are made and so that any such shortened offering period or purchase period (or similar period) is treated as a fully effective and completed offering period or purchase period, as applicable, for all purposes under the Xcerra ESPP; (iii) each participant's shares purchase right under the Xcerra ESPP outstanding as of the Final Exercise Date are exercised as of the Final Exercise Date; (iv) no further offering periods or purchase periods (or similar periods during which shares may be purchased) will commence under the Xcerra ESPP on or after the date of the Merger Agreement; (v) no participant in the Xcerra ESPP may increase the rate of his or her

contributions to the Xcerra ESPP on or after the

Table of Contents

date of the Merger Agreement; (vi) no individual who is not participating in the Xcerra ESPP as of the date of the Merger Agreement may commence participation in the Xcerra ESPP on or after the date of the Merger Agreement; and (vii) the Xcerra ESPP is terminated as of the Final Exercise Date, provided, however, that termination of the Xcerra ESPP will be subject to the consummation of the Merger.

Record Date; Outstanding Shares; Shares Entitled to Vote; Vote Required (page 69 for Cohu and page 75 for Xcerra)

The Cohu Special Meeting

Date, Time and Place

The special meeting of Cohu stockholders (the Cohu Special Meeting) will be held at Cohu's corporate offices, located at 12367 Crosthwaite Circle, Poway, California 92064-6817 on August 30, 2018, at 8:30 a.m., Pacific Time, unless adjourned or postponed to a later date or time.

Record Date; Outstanding Shares; Shares Entitled to Vote

The Cohu Record Date for the Cohu Special Meeting is the close of business on July 30, 2018. This means that you must be a stockholder of record of Cohu Common Stock at the close of business on July 30, 2018, in order to vote at the Cohu Special Meeting. You are entitled to one vote for each share of Cohu Common Stock you own.

A complete list of Cohu stockholders entitled to vote at the Cohu Special Meeting will be available for inspection at the principal place of business of Cohu during regular business hours for a period of no less than ten days before the Cohu Special Meeting and at the place of the Cohu Special Meeting during the meeting.

Purpose

At the Cohu Special Meeting, Cohu's stockholders will be asked:

to approve the Stock Issuance Proposal; and

to approve any Cohu Adjournment Proposal, if applicable.

Quorum and Required Vote

A quorum of stockholders is necessary to hold a valid special meeting of Cohu. The required quorum for the transaction of business at the Cohu Special Meeting is a majority of the issued and outstanding shares of Cohu Common Stock entitled to vote at the Cohu Special Meeting, whether present in person or represented by proxy. Any abstentions will be counted as present and entitled to vote in determining whether a quorum is present at the Cohu Special Meeting. For shares held in street name, your bank, broker or other nominee will not be permitted to vote at the Cohu Special Meeting without specific instructions as to how to vote from you as the beneficial owner of the shares of Cohu Common Stock. A broker non-vote (as defined below) will have no effect on the Stock Issuance Proposal (assuming a quorum is achieved) or any proposal to adjourn the Cohu Special Meeting. Broker non-votes will not be counted as present for purposes of determining whether a quorum is present at the Cohu Special Meeting.

The approval of the Stock Issuance Proposal requires the affirmative vote of a majority of shares present in person or represented by proxy at the Cohu Special Meeting, assuming a quorum is present. Approval of any Cohu Adjournment Proposal requires the affirmative vote of a majority of the shares of Cohu Common Stock present in person or represented by proxy at the Cohu Special Meeting and entitled to vote is required, regardless of whether a quorum is present.

Table of Contents

Voting and Proxies

Any Cohu stockholder of record entitled to vote may submit a proxy by returning a signed proxy card by mail in the accompanying prepaid reply envelope or granting a proxy electronically over the Internet or by telephone, or may vote in person by appearing at the Cohu Special Meeting. If a Cohu stockholder is a beneficial owner and holds shares of Cohu Common Stock in street name through a bank, broker or other nominee, such Cohu stockholder should instruct its bank, broker or other nominee of how it wishes to vote its shares of Cohu Common Stock using the instructions provided by the bank, broker or other nominee. Under applicable stock exchange rules, banks, brokers or other nominees have the discretion to vote on routine matters. The proposals to be considered at the Cohu Special Meeting are non-routine matters, and banks, brokers and other nominees cannot vote on these proposals without such Cohu stockholder's instructions. **Therefore, it is important that each Cohu stockholder cast its vote or instruct its bank, broker or nominee on how such Cohu stockholder wishes to vote its shares of Cohu Common Stock.**

The Xcerra Special Meeting

Date, Time and Place

A special meeting of Xcerra stockholders (the Xcerra Special Meeting) will be held on August 30, 2018 at 9:30 a.m., Eastern Time, at Xcerra's offices at 825 University Avenue, Norwood, Massachusetts 02062.

Record Date; Shares Entitled to Vote

Xcerra stockholders are entitled to vote at the Xcerra Special Meeting if such stockholders owned shares of Xcerra Common Stock at the close of business on July 27, 2018, the Xcerra Record Date. You are entitled to one vote at the Xcerra Special Meeting for each share of Xcerra Common Stock that you own at the close of business on the Xcerra Record Date.

Purpose

At the Xcerra Special Meeting, Xcerra will ask Xcerra stockholders to vote on proposals to: (1) approve the Merger Agreement; (2) adjourn the Xcerra Special Meeting to a later date or dates to solicit additional proxies if there are insufficient votes to approve the Merger Agreement at the Xcerra Special Meeting (an Xcerra Adjournment Proposal); and (3) approve, by non-binding, advisory vote, compensation that will or may become payable to Xcerra's named executive officers in connection with the Merger (the Xcerra Non-Binding Advisory Proposal).

Required Vote

The affirmative vote of the holders of two-thirds of the outstanding shares of Xcerra Common Stock is required to approve the Merger Agreement. Approval of any Xcerra Adjournment Proposal, whether or not a quorum is present, requires the affirmative vote of a majority of the shares of Xcerra Common Stock having voting power present in person or represented by a proxy at the Xcerra Special Meeting and entitled to vote on the subject matter. Approval, by non-binding advisory vote, of the Xcerra Non-Binding Advisory Proposal requires the affirmative vote of a majority of the shares of Xcerra Common Stock having voting power present in person or represented by proxy at the Xcerra Special Meeting and entitled to vote on the subject matter.

Voting and Proxies

Any Xcerra stockholder of record entitled to vote may submit a proxy by returning a signed proxy card by mail in the accompanying prepaid reply envelope or granting a proxy electronically over the Internet or by

Table of Contents

telephone, or may vote in person by appearing at the Xcerra Special Meeting. If an Xcerra stockholder is a beneficial owner and holds shares of Xcerra Common Stock in street name through a bank, broker or other nominee, such Xcerra stockholder should instruct its bank, broker or other nominee of how it wishes to vote its shares of Xcerra Common Stock using the instructions provided by the bank, broker or other nominee. Under applicable stock exchange rules, banks, brokers or other nominees have the discretion to vote on routine matters. The proposals to be considered at the Xcerra Special Meeting are non-routine matters, and banks, brokers and other nominees cannot vote on these proposals without such Xcerra stockholder's instructions. **Therefore, it is important that each Xcerra stockholder cast its vote or instruct its bank, broker or nominee on how such Xcerra stockholder wishes to vote its shares of Xcerra Common Stock.**

Stock Ownership and Voting by Cohu's and Xcerra's Directors and Executive Officers (page 70 for Cohu and page 76 for Xcerra)

Cohu

As of July 16, 2018, Cohu's directors and executive officers beneficially owned and were entitled to vote, in the aggregate, 783,314 shares of Cohu Common Stock, representing approximately 2.7% of the shares of Cohu Common Stock outstanding on July 16, 2018. Cohu's directors and executive officers have informed Cohu that they currently intend to vote: (1) **FOR** the Stock Issuance Proposal; and (2) **FOR** any Cohu Adjournment Proposal, if applicable.

Xcerra

As of July 16, 2018, Xcerra's directors and officers beneficially owned and were entitled to vote, in the aggregate, 1,938,811 shares of Xcerra Common Stock, representing approximately 3.5% of the shares of Xcerra Common Stock outstanding on July 16, 2018. Xcerra's directors and executive officers have informed Xcerra that they currently intend to vote: (1) **FOR** the approval of the Merger Agreement; (2) **FOR** any Xcerra Adjournment Proposal; and (3) **FOR** the Xcerra Non-Binding Advisory Proposal.

Interests of Cohu Directors and Executive Officers in the Merger (beginning on page 133)

Some of Cohu's executive officers and members of its board of directors, in their capacities as such, may have financial interests in the Merger that may be different from, or in addition to, their interests as stockholders and the interests of Cohu stockholders generally.

Cohu's named executive officers are not party to any agreements or understandings concerning compensation that is based on or otherwise relates to the transactions contemplated by the Merger Agreement.

The members of the Cohu Board were aware of and considered these interests, among other matters, in evaluating and negotiating the Merger Agreement and the Merger, and in recommending that Cohu stockholders vote for the Stock Issuance Proposal.

The interests summarized above are discussed in more detail in the section entitled *The Merger - Interests of Cohu Directors and Executive Officers in the Merger*.

Interests of Xcerra Directors and Executive Officers in the Merger (beginning on page 133)

When considering the recommendation of the Xcerra Board that Xcerra stockholders vote to approve the proposal to approve the Merger Agreement, Xcerra stockholders should be aware that Xcerra's directors and executive officers

may have interests in the Merger that are different from, or in addition to, the interests of

Table of Contents

Xcerra's stockholders. In (i) evaluating and negotiating the Merger Agreement; (ii) approving the Merger Agreement and the Merger; and (iii) recommending that the Merger Agreement be approved by Xcerra's stockholders, the Xcerra Board was aware of and considered these interests to the extent that they existed at the time, among other matters. These interests include the following:

compensation to be paid to members of the Xcerra Board who are appointed to the Cohu Board following the consummation of the Merger;

the entitlement of Xcerra executive officers to receive payments and benefits under Change-of-Control Employment Agreements and executive employment agreements in connection with certain terminations of employment;

continued indemnification and directors' and officers' liability insurance to be provided by the Surviving Corporation;

termination of Vested RSUs held by certain Xcerra executive officers and members of the Xcerra Board at the Effective Time in exchange for the Vested RSU Consideration;

conversion of Unvested RSUs held by certain executive officers into Assumed RSUs; and

pursuant to the terms and conditions of Xcerra's 2010 Stock Plan (the 2010 Stock Plan), accelerated vesting of Assumed RSUs upon termination of the employment of executive officers by Xcerra or Cohu without cause (as defined in the 2010 Stock Plan) within one year following the completion of the Merger.

If the proposal to approve the Merger Agreement is approved, the shares of the Xcerra Common Stock held by Xcerra's directors and executive officers will be treated in the same manner as outstanding Xcerra Common Stock held by all other Xcerra stockholders.

Post-Closing Cohu Board

At the Effective Time, two members of the Xcerra Board will be appointed to the Cohu Board.

Listing of Cohu Common Stock and Delisting of Xcerra Common Stock (page 142)

Approval of the listing on NASDAQ of the shares of Cohu Common Stock to be issued in the Merger pursuant to the Merger Agreement is a condition to each party's obligation to complete the Merger. If the Merger is completed, the Xcerra Common Stock will be delisted from NASDAQ and will be deregistered under the Exchange Act.

Appraisal Rights for Xcerra Stockholders (page 142)

Under the MBCA, Xcerra is required to state whether it has concluded that Xcerra stockholders are, are not or may be entitled to assert appraisal rights, which are generally available to stockholders of a merging Massachusetts

corporation under Section 13.02(a)(1) of the MBCA, subject to certain exceptions. For the reasons described under the caption The Merger Appraisal Rights, Xcerra has concluded that Xcerra stockholders may be entitled to appraisal rights. The relevant provisions of the MBCA have not been the subject of judicial interpretation and Xcerra and Cohu reserve the right to contest the validity and availability of any purported demand for appraisal rights in connection with the Merger.

Under Part 13 of the MBCA, Xcerra stockholders who believe they are or may be entitled to appraisal rights in connection with the Merger must, in order to exercise those rights:

prior to the Xcerra Special Meeting, deliver to Xcerra a written notice of intent to demand payment for such stockholders' shares of Xcerra Common Stock if the Merger is effectuated;

Table of Contents

NOT vote for the proposal to approve the Merger Agreement; and

Comply with the other procedures under Part 13 of the MBCA.

An Xcerra stockholder's failure to follow exactly the procedures specified under the MBCA may result in the loss of any appraisal rights for such stockholder. If an Xcerra stockholder holds shares of Xcerra Common Stock through a bank, brokerage firm or other nominee and wishes to exercise appraisal rights, such Xcerra stockholder should consult with its bank, brokerage firm or other nominee to determine the appropriate procedures for the making of a demand for appraisal by such bank, brokerage firm or nominee. See the section captioned "The Merger Appraisal Rights" and the text of Part 13 of the MBCA reproduced in its entirety as Annex D to this joint proxy statement/prospectus.

Conditions to the Closing of the Merger (beginning on page 167)

The completion of the Merger depends upon the satisfaction or waiver of a number of conditions which, to the extent permitted by applicable laws and as described below, may be waived by Cohu, Merger Sub and Xcerra, as applicable.

The obligations of Cohu and Merger Sub, on the one hand, and Xcerra, on the other hand, to consummate the Merger are subject to the satisfaction or waiver (where permitted by applicable law), at or prior to the Effective Time, of each of the following conditions:

the approval of the Merger Agreement by the affirmative vote of the holders of two-thirds of the outstanding shares of Xcerra Common Stock and the approval of the issuance of Cohu Common Stock in the Merger by a majority of Cohu stockholders represented in person or by proxy at the Cohu Special Meeting;

the expiration or termination of the applicable waiting period under the Hart-Scott-Rodino Antitrust Improvements Act of 1976 (the HSR Act) and expiration or termination of the applicable waiting period or approval by the relevant governmental authorities of any foreign antitrust jurisdictions, as applicable;

the consummation of the Merger, the issuance of Cohu Common Stock in the Merger or the other transactions contemplated by the Merger Agreement not being made illegal or otherwise prohibited by any law or order of any governmental authority in the U.S.;

the Registration Statement becoming effective with no stop order suspending the effectiveness of the Registration Statement having been issued by the SEC and no proceeding to that effect having been commenced or threatened; and

the authorization for listing on NASDAQ of the shares of Cohu Common Stock issuable in the Merger. In addition, the obligations of Cohu and Merger Sub to consummate the Merger are subject to the satisfaction or waiver (where permitted by applicable law), at or prior to the Effective Time, of each of the following additional conditions:

the representations and warranties of Xcerra relating to requisite stockholder approval and absence of certain changes being true and correct in all respects as of the date of the Merger Agreement and on and as of the closing date of the Merger with the same force and effect as if made on and as of such date (or, in the case of those representations and warranties that are made as of a particular date or period, as of such date or for such period);

certain representations and warranties of Xcerra relating to Xcerra's capitalization being true and correct in all but de minimis respects as of the date of the Merger Agreement and on and as of the

Table of Contents

closing date of the Merger with the same force and effect as if made on and as of such date or period, except for those representations and warranties which address matters only as of a particular date or period (which representations will have been true and correct as of such particular date);

the representations and warranties of Xcerra relating to organization and standing, authorization and enforceability, brokers, opinion of Xcerra's financial advisor, state anti-takeover statutes and shareholders rights plans being true and correct in all material respects as of the date of the Merger Agreement and on and as of the closing date of the Merger with the same force and effect as if made on and as of such date, except in each case for those representations and warranties which address matters only as of a particular date or period (which representations will be true and correct in all respects as of such particular date or period), but without regard to any qualification as to materiality or material adverse effect contained therein;

the other representations and warranties of Xcerra set forth elsewhere in the Merger Agreement being true and correct in all respects as of the date of the Merger Agreement and on and as of the closing date of the Merger with the same force and effect as if made on and as of such date (disregarding all materiality qualifications contained in such representations and warranties), except (1) for any failure to be so true and correct which would not reasonably be expected to have, individually or in the aggregate, a Company Material Adverse Effect (as defined in the Merger Agreement and described in *The Merger Agreement Representations and Warranties*), and (2) for those representations and warranties which address matters only as of a particular date or period (which representations will have been true and correct as of such particular date or period, except for any failure to be so true and correct as of such date which would not reasonably be expected to have, individually or in the aggregate, a Company Material Adverse Effect);

Xcerra having performed in all material respects the obligations required by the Merger Agreement to be performed by Xcerra at or prior to the Effective Time;

there not having occurred any event, occurrence, revelation or development of a state of circumstances or facts which, individually or in the aggregate, has had or would reasonably be expected to have a Company Material Adverse Effect; and

the receipt by Cohu and Merger Sub of a certificate of Xcerra, validly executed for and on behalf of Xcerra and in its name by a duly authorized officer, certifying that the conditions described in the preceding six paragraphs have been satisfied.

In addition, the obligation of Xcerra to consummate the Merger is subject to the satisfaction or waiver (where permitted by applicable law), at or prior to the Effective Time, of each of the following additional conditions:

the representations and warranties of Cohu relating to requisite stockholder approval and absence of certain changes being true and correct in all respects as of the date of the Merger Agreement and on and as of the closing date of the Merger with the same force and effect as if made on and as of such date (or, in the case of those representations and warranties that are made as of a particular date or period, as of such date or for such period);

certain representations and warranties of Cohu relating to Cohu's capitalization being true and correct in all but de minimis respects as of the date of the Merger Agreement and on and as of the closing date of the Merger with the same force and effect as if made on and as of such date, except for those representations and warranties which address matters only as of a particular date or period (which representations will have been true and correct as of such particular date or period);

the representations and warranties of Cohu relating to organization and standing, authorization and enforceability, brokers, opinion of Cohu's financial advisor and state anti-takeover statutes being true and correct in all material respects as of the date of the Merger Agreement and on and as of the closing

Table of Contents

date of the Merger with the same force and effect as if made on and as of such date, except in each case for those representations and warranties which address matters only as of a particular date or period (which representations will be true and correct in all respects as of such particular date or period), but without regard to any qualification as to materiality or material adverse effect contained therein;

each of the remaining representations and warranties of Cohu set forth in the Merger Agreement being true and correct as of the date of the Merger Agreement and on and as of the closing date of the Merger with the same force and effect as if made on and as of such date (except for those representations and warranties which address matters only as of a particular date or period, which representations will have been true and correct as of such particular date or period), and except for any failure to be so true and correct which would not reasonably be expected to have, individually or in the aggregate, a material adverse effect on the ability of Cohu to consummate the Merger or any of the other transactions contemplated by the Merger Agreement, but without regard to any qualification as to materiality or material adverse effect contained therein;

Cohu and Merger Sub having performed in all material respects all obligations required by the Merger Agreement be performed by Cohu or Merger Sub prior to the Effective Time;

there not having occurred any event, occurrence, revelation or development of a state of circumstances or facts which, individually or in the aggregate, has had or would reasonably be expected to have a Parent Material Adverse Effect (as defined in the Merger Agreement and described in *The Merger Agreement Representations and Warranties*); and

the receipt by Xcerra of a certificate of Cohu and Merger Sub, validly executed for and on behalf of Cohu and Merger Sub and in their respective names by a duly authorized executive officer thereof, certifying that the conditions described in the preceding six paragraphs have been satisfied.

Regulatory Approvals Required for the Merger (beginning on page 139)

The completion of the Merger is subject to compliance with the HSR Act. The notifications required under the HSR Act to the U.S. Federal Trade Commission and the Antitrust Division, were filed on May 25, 2018, and the transaction is currently under review by the Antitrust Division. Under the HSR Act, the Merger may not be completed until the required 30-day HSR waiting period has expired or been terminated. The original waiting period was originally scheduled to expire on June 25, 2018. On June 25, 2018 in consultation with Xcerra, Cohu voluntarily withdrew its HSR Act notification, and re-filed the notification and report form under the HSR Act with the U.S. Federal Trade Commission and the Antitrust Division on June 27, 2018, which restarted the 30-day waiting period as of the date the notification was re-filed. The waiting period with respect to the re-filed notification and report form expires at 11:59 p.m., Pacific Time, on July 27, 2018, unless it is shortened by a grant of early termination or extended by the Antitrust Division issuing a request for additional information, also known as a second request. If a second request is issued, the transaction cannot close until 30 days after substantial compliance with the second request unless the parties otherwise agree with the Antitrust Division not to close the transaction, enter into a consent decree with the Antitrust Division, or the Antitrust Division concludes its investigation and grants early termination of the second waiting period.

The completion of the Merger is also subject to compliance with applicable foreign antitrust laws. The German Act Against Restraints of Competition (GWB) requires pre-merger notification of and approval by the FCO. The Merger may not be completed until either the German Federal Cartel Office (FCO) clears the merger or the mandatory waiting

period expires. The parties have filed with the FCO on June 16, 2018. On July 16, 2018, the FCO issued a decision in which it granted clearance.

Table of Contents**Termination of the Merger Agreement (beginning on page 169)**

The Merger Agreement contains certain customary termination rights, including, among others, (i) the right of either Cohu or Xcerra to terminate the Merger Agreement if Xcerra's stockholders fail to approve the Merger Agreement or if Cohu's stockholders fail to approve the issuance of Cohu Common Stock, (ii) the right of either Cohu or Xcerra to terminate the Merger Agreement if the board of directors of the other party changes its recommendation to such party's shareholders, (iii) the right of Xcerra to terminate the Merger Agreement to accept a Company Acquisition Proposal resulting in a superior proposal (as described further in *The Merger Agreement Alternative Acquisition Proposals*), (iv) the right of either Cohu or Xcerra to terminate the Merger Agreement if the Merger has not occurred by November 7, 2018 (as such date may be extended by either party pursuant to the Merger Agreement, the Termination Date) and (v) the right of either Cohu or Xcerra to terminate the Merger Agreement due to a material breach by the other party of any of its representations, warranties or covenants, subject to certain conditions.

Termination Fees (beginning on page 170)

The Merger Agreement provides for Xcerra to pay to Cohu a termination fee of \$22.8 million (the Xcerra Termination Fee) if the Merger Agreement is terminated (i) by Cohu as a result of a change in the Xcerra Board recommendation to Xcerra's stockholders or a failure of Xcerra to comply with the non-solicitation and board recommendation covenants in the Merger Agreement; (ii) by Xcerra in order to accept a Company Acquisition Proposal resulting in a superior proposal (as described further in *The Merger Agreement Alternative Acquisition Proposals*); (iii) by either Cohu or Xcerra if (A) the Merger has not been consummated by the Termination Date or (B) Xcerra shall have failed to obtain the necessary shareholder approval for the Merger and, in each case of (A) and (B) a competing proposal with respect to Xcerra was publicly disclosed and not publicly withdrawn prior to the meeting of Xcerra's shareholders and Xcerra either consummates a transaction with respect to a competing proposal or enters into a definitive agreement with respect to a competing proposal, in each case within twelve months of such termination; or (iv) by Cohu if Xcerra is in breach of a representation, warranty or covenant that would cause the closing conditions to fail to be satisfied, and the breach cannot be cured within 20 calendar days, so long as Cohu has not materially breached the Merger Agreement.

The Merger Agreement provides for Cohu to pay to Xcerra a termination fee of \$22.8 million (the Cohu Termination Fee) if the Merger Agreement is terminated by Xcerra (i) as a result of Cohu's breach of a representation, warranty or covenant that would cause the closing conditions to fail, and the breach cannot be cured within 20 calendar days, so long as Xcerra has not materially breached the Merger Agreement or (ii) as a result of a change by the Cohu Board in its recommendation that Cohu's shareholders approve the issuance of Cohu Common Stock in the Merger. The Merger Agreement further provides for Cohu to pay to Xcerra a termination fee of \$45.0 million (the Financing Termination Fee) if the Merger Agreement is terminated by Xcerra as a result of Cohu's failure to consummate the Merger within five business days of written notice from Xcerra to Cohu at a time when all closing conditions have been satisfied and the Marketing Period has expired.

Material United States Federal Income Tax Consequences (beginning on page 173)

The exchange of Xcerra Common Stock pursuant to the Merger will be a taxable transaction for U.S. federal income tax purposes. Accordingly, a U.S. holder (as defined in *Material United States Federal Income Tax Consequences*) of Xcerra Common Stock who receives the Merger Consideration in exchange for such U.S. holder's shares of Xcerra Common Stock generally will recognize taxable gain or loss in an amount equal to the difference, if any, between the Cash Consideration plus the fair market value of the Stock Consideration received and such U.S. holder's adjusted tax basis in the shares of Xcerra Common Stock exchanged therefor.

THIS JOINT PROXY STATEMENT/PROSPECTUS CONTAINS A GENERAL DESCRIPTION OF THE MATERIAL UNITED STATES FEDERAL INCOME TAX CONSEQUENCES OF THE MERGER.

Table of Contents

THIS DESCRIPTION DOES NOT ADDRESS ANY NON-U.S. TAX CONSEQUENCES, NOR DOES IT PERTAIN TO STATE, LOCAL OR OTHER TAX CONSEQUENCES. CONSEQUENTLY, YOU ARE URGED TO CONTACT YOUR OWN TAX ADVISOR TO DETERMINE THE PARTICULAR TAX CONSEQUENCES TO YOU OF THE MERGER.

Table of Contents**RISK FACTORS**

In deciding whether to vote for the proposals discussed in this joint proxy statement/prospectus, we urge you to consider carefully all of the information included or incorporated by reference in this joint proxy statement/prospectus. You should also read and consider the risks associated with each of the businesses of Cohu and Xcerra, because these risks will also affect Cohu after the consummation of the Merger. The risks associated with the business of Cohu can be found in Cohu's Exchange Act reporting, including Cohu's Annual Report on Form 10-K for the year ended December 30, 2017 and its Quarterly Report on Form 10-Q for the fiscal quarter ended on March 31, 2018, which are incorporated by reference in this joint proxy statement/prospectus. The risks associated with the business of Xcerra can be found in Xcerra's Exchange Act reporting, including Xcerra's Annual Report on Form 10-K for its fiscal year ended July 31, 2017, and its Quarterly Reports on Form 10-Q for the fiscal quarters ended on October 31, 2017, January 31, 2018 and April 30, 2018, which are incorporated by reference in this joint proxy statement/prospectus. See the section of this joint proxy statement/prospectus entitled *Where You Can Find More Information*.

Risk Factors Relating to the Merger

The number of shares of Cohu Common Stock that Xcerra stockholders will receive in the Merger is based on a fixed exchange ratio. Because the Merger Agreement does not provide for any adjustment to the Merger Consideration, Xcerra stockholders will be exposed to the risk of market fluctuations in the price of Cohu Common Stock and Xcerra stockholders cannot be certain of the value of the Stock Consideration they will receive in the Merger.

Pursuant to the terms of the Merger Agreement, upon the consummation of the Merger, each outstanding share of Xcerra Common Stock will be cancelled and automatically converted into the right to receive the Merger Consideration, consisting of 0.2109 of a share of Cohu Common Stock and \$9.00 in cash. The exchange ratio is fixed, and there will be no adjustment to the Merger Consideration for changes in the market price of Cohu Common Stock or Xcerra Common Stock prior to completion of the Merger. Accordingly, the exact value of the Stock Consideration each Xcerra stockholder will receive in connection with the Merger is not determinable prior to the date of delivery of the Stock Consideration. Stock price changes may result from a variety of factors, some of which are out of Cohu's and Xcerra's control, including general market and economic conditions, changes in the respective businesses, operations and prospects of Cohu and Xcerra, regulatory considerations, and other risks discussed in this section of this joint proxy statement/prospectus. Neither Cohu nor Xcerra is permitted to terminate the Merger Agreement or resolicit the vote of its respective stockholders solely because of changes in the market price of either Cohu Common Stock or Xcerra Common Stock.

Because the Merger will be consummated after the Xcerra Special Meeting, the value of the Stock Consideration to be received by Xcerra stockholders will not be known at the time of the Xcerra Special Meeting and the Merger Consideration actually received by Xcerra Stockholders upon the consummation of the Merger may be greater or less than the Merger Consideration that would be payable to Xcerra stockholders if the Merger were consummated immediately following the Xcerra Stockholder Meeting. In determining how to vote their shares of Xcerra Common Stock, Xcerra stockholders should obtain current stock price quotations for Cohu Common Stock and Xcerra Common Stock prior to the Xcerra Special Meeting. Cohu Common Stock and Xcerra Common Stock are listed on NASDAQ under the symbols COHU and XCRA, respectively.

The market price of Cohu Common Stock after the Merger might be affected by factors different from, or in addition to, those currently affecting the respective market prices of Cohu Common Stock and Xcerra Common Stock.

The businesses of Cohu and Xcerra differ and, accordingly, the results of operations of Cohu and the market price of Cohu Common Stock after the Merger may be affected by factors different from, or in addition to, those currently affecting the independent results of operations of each of Cohu and Xcerra and the market prices of Cohu Common Stock and Xcerra Common Stock. For a discussion of the businesses of Cohu and Xcerra and of

Table of Contents

factors to consider in connection with those businesses, see the documents incorporated by reference into this document and referred to under the heading *Where You Can Find More Information*. Additionally, see the section of this joint proxy statement/prospectus entitled *Comparative Per Share Market Price Information* for additional information on the market value of shares of Cohu Common Stock and Xcerra Common Stock.

Until the Effective Time or the termination of the Merger Agreement in accordance with its terms, Cohu and Xcerra are prohibited from entering into certain business combination transactions and taking certain other actions.

From the date of the Merger Agreement, and continuing until the earlier of the Effective Time or the termination of the Merger Agreement in accordance with its terms, except as permitted by certain limited exceptions in the Merger Agreement or required by the respective fiduciary duties of the Xcerra Board and the Cohu Board and subject to the other requirements of the Merger Agreement, the Cohu Board may not withdraw, withhold, amend, qualify or modify, in any manner adverse to Xcerra, its recommendation that the Cohu stockholders approve the Stock Issuance Proposal and the Xcerra Board may not withdraw, withhold, amend, qualify or modify, in a manner adverse to Cohu, its recommendation that the Xcerra stockholders approve the Merger Agreement. See *The Merger Agreement The Xcerra Board's recommendation; Xcerra Board Recommendation Change* and *The Merger Agreement The Cohu Board's recommendation; Cohu Board Recommendation Change* for additional information. In addition, during such time, neither the Xcerra Board nor the Cohu Board may recommend an acquisition proposal to acquire beneficial ownership of more than 20% of the issued and outstanding common stock, or more than 20% of the consolidated assets, of Xcerra or Cohu, respectively, other than the Merger, or negotiate or authorize negotiations with a third party regarding an acquisition proposal other than the Merger, except as permitted by certain limited exceptions in the Merger Agreement or required by their fiduciary duties and subject to the other requirements of the Merger Agreement. These provisions may limit Xcerra's and Cohu's respective ability to pursue offers from third parties that could result in greater value to their respective stockholders than the value resulting from the Merger. In the event that the Xcerra Board or the Cohu Board change their respective recommendations, Xcerra or Cohu, as the case may be, will be required, pursuant to the terms of the Merger Agreement, to pay to the other party a \$22.8 million termination fee. See *The Merger Agreement Termination Fees* for additional information. The termination fee payable by Xcerra and Cohu in certain circumstances may also discourage third parties from pursuing an alternative acquisition proposal with respect to Xcerra or Cohu, or might result in third parties proposing to pay a lower value per share to acquire Xcerra or Cohu than such third party might otherwise have been willing to pay in the absence of such termination fee. The Merger Agreement also requires Xcerra and Cohu to, and to each cause their respective subsidiaries to, conduct their respective businesses in the ordinary course consistent with past practice. See *The Merger Agreement Conduct of Business Pending the Merger* for additional information. Altogether, the foregoing could have the effect of delaying other strategic transactions and may, in some cases, make it impossible to pursue other strategic transactions that are available only for a limited time.

The Merger is subject to a number of conditions, some of which are outside of the parties' control, and if these conditions are not satisfied or waived, the Merger will not be completed.

The Merger Agreement contains a number of conditions that must be satisfied or in some cases waived in order to complete the Merger. Those conditions include, among other customary conditions, (i) approval of the Merger by at least two-thirds of the shares of Xcerra Common Stock entitled to vote at the Xcerra Special Meeting, (ii) approval of the Stock Issuance Proposal by a majority of the shares of Cohu Common Stock present, in person or by proxy, at the Cohu Special Meeting, (iii) expiration or termination of all waiting periods (and any extensions thereof) under applicable antitrust laws, including the applicable waiting periods under the HSR Act and foreign antitrust laws and the receipt of any requisite consents with respect to applicable antitrust laws (the Approvals), (iv) no material action being taken by any governmental entity enjoining or otherwise prohibiting consummation of the Merger and no law

being enacted or promulgated by any governmental entity making the consummation of the Merger illegal, (v) authorization for listing by NASDAQ of the shares Cohu Common Stock to be issued in connection with the Merger, (vi) the accuracy of the representations and

Table of Contents

warranties of the parties to the applicable standards provided by the Merger Agreement, (vii) performance in all material respects by each party of their respective covenants in the Merger Agreement, (viii) the absence of any event or occurrence that had or would reasonably be expected to have a material adverse effect on Cohu or Xcerra, and (ix) the effectiveness of the Registration Statement of which this joint proxy statement/prospectus forms a part. See *The Merger Agreement – Conditions to the Closing of the Merger* for a more detailed description of the conditions to the closing of the Merger.

The required satisfaction or waiver of the foregoing conditions could delay the completion of the Merger for a significant period of time or, if not ever satisfied or waived, may prevent the Merger from occurring at all. Any delay in completing the Merger could cause the combined company not to realize some or all of the benefits that the parties expect the combined company to achieve. As such, there can be no assurance that the conditions to the closing of the Merger will be satisfied or waived or that the Merger will be completed.

In addition, if the Merger is not completed by the Termination Date, Cohu or Xcerra may choose to terminate the Merger Agreement. Cohu or Xcerra may also elect to terminate the Merger Agreement in certain other circumstances, and the parties can mutually decide to terminate the Merger Agreement at any time prior to the closing of the Merger. See *The Merger Agreement – Termination of the Merger Agreement* and *The Merger Agreement – Termination Fees* for a more detailed description of these circumstances.

Cohu and Xcerra must obtain required approvals and governmental and regulatory consents to complete the Merger, which, if delayed, not granted or granted subject to conditions, may jeopardize or delay the consummation of the Merger, result in additional expenditures of money and resources and/or reduce the anticipated benefits of the Merger.

The Merger is subject to customary closing conditions, including, among others, the receipt of the Approvals.

The governmental agencies from which the parties will seek the Approvals have broad discretion in administering the governing regulations. As a condition to their approval of the Merger, these governmental agencies may impose requirements, limitations or costs, require divestitures or place restrictions on the conduct of Cohu's business after consummation of the Merger. These requirements, limitations, costs, divestitures or restrictions could jeopardize or delay the consummation of the Merger. However, as described further in *The Merger Agreement – Efforts to Complete the Merger*, in no event shall Cohu, Merger Sub or Xcerra, in connection with their respective efforts to obtain the Approvals, be required to agree to the sale, license, assignment, transfer or other divestiture or disposition of, holding separate or any other limitation on (A) in the case of businesses, services, products or assets of Xcerra and its subsidiaries, any such businesses, services, products or assets that generated aggregate revenue for the twelve month period ended December 30, 2017 of greater than \$20.0 million and (B) in the case of businesses, services, products or assets of Cohu and its subsidiaries, any such businesses, services, products or assets that generated aggregate revenue for the twelve month period ended December 30, 2017 of greater than \$4.0 million, and, further, none of Cohu, Merger Sub or Xcerra is required to agree to any sale, license, assignment, transfer or other divestiture or disposition of, holding separate or any other limitation on products or services that have not yet been commercialized (including those under development or in the research, planning, prototyping, design, pre-production, evaluation or testing phases). Even if the Approvals are obtained and all other conditions to the closing of the Merger are satisfied, no assurance can be given as to the terms, conditions and timing of the Approvals. If Cohu or Xcerra agrees to any requirements, limitations, costs, divestitures or restrictions in order to obtain the Approvals or any other approval or consent required to consummate the Merger, these requirements, limitations, costs, divestitures or restrictions could adversely affect Cohu's ability to integrate its operations with Xcerra's operations, reduce the anticipated benefits of the Merger, and have a material adverse effect on the business and results of operations of Cohu after consummation of the Merger. Any requirements, limitations, costs, divestitures or restrictions imposed by

any governmental agencies could also result in delay or failure to consummate the Merger.

Table of Contents

Any delay in completing the Merger may significantly reduce the benefits expected to be obtained from the Merger.

In addition to the Approvals, the Merger is subject to a number of other conditions that are beyond the control of Cohu and Xcerra and that may prevent, delay or otherwise materially adversely affect completion of the Merger. Cohu and Xcerra cannot predict whether and when these other conditions will be satisfied. Further, the requirements for obtaining the Approvals could delay the completion of the Merger for a significant period of time or prevent the Merger from occurring. Any delay in completing the Merger could result in the failure to realize some or all of the cost synergies projected to result from the Merger and other benefits that Cohu and Xcerra expect to achieve if they successfully complete the Merger within the expected timeframe and integrate their respective businesses. See *The Merger Agreement – Conditions to the Closing of the Merger* for more information.

The consummation of the Merger may permit counterparties to certain agreements with Xcerra to terminate those agreements.

Xcerra is a party to certain agreements that give the counterparties to such agreements certain rights, including consent and/or termination rights, in connection with change in control transactions or otherwise. Under certain of these agreements, the Merger may constitute a change in control or otherwise give rise to consent or termination rights in favor of the counterparty thereto. If Cohu and Xcerra are unable to negotiate the waiver of any such provision and/or obtain consent from the counterparty to any such agreement with respect to the Merger, such counterparty may assert its rights under the applicable agreement, potentially terminating the agreement or seeking monetary damages. Even if Cohu and Xcerra are able to negotiate waivers or obtain required consents under these agreements, the counterparties thereto may require a fee for such waivers or consent or seek to renegotiate the agreements on terms that may be less favorable to Xcerra or the combined company and which may adversely affect the value of Cohu Common Stock following completion of the Merger.

Uncertainty about the Merger may cause Cohu's and Xcerra's current and prospective employees to experience uncertainty about their future roles and relationships with Cohu, whether or not the Merger is completed.

Uncertainties about the effect of the Merger on Cohu's and Xcerra's current and prospective employees' future roles and relationships with Cohu and Xcerra, respectively, may cause them to choose to pursue other opportunities, which could have an adverse effect on the business of Cohu and Xcerra prior to or after the Merger. These uncertainties may impair Cohu's and Xcerra's ability to retain, recruit or motivate key management, sales, marketing, engineering, technical and other personnel. If, despite Cohu's and Xcerra's retention efforts, key employees depart because of issues relating to the uncertainty and difficulty of integration or a desire not to remain with the combined company following the consummation of the Merger, Cohu's and Xcerra's businesses could be seriously harmed. Any delay in completing the Merger may further increase such uncertainties and the adverse effects related thereto.

Uncertainty about the Merger may adversely affect Cohu's and Xcerra's businesses and relationships with customers or other counterparties, whether or not the Merger is completed.

Each of Cohu and Xcerra is subject to risks in connection with the pendency of the Merger, including the pendency and outcome of any legal proceedings with respect to the Merger and of foregoing opportunities that Cohu or Xcerra, respectively, might otherwise pursue absent the Merger. In addition, in response to the announcement of the Merger and regardless of whether the Merger is ultimately completed, Cohu's and Xcerra's respective existing or prospective customers, suppliers, business or strategic partners or other counterparties may:

delay, defer or cease purchasing goods or services from or providing goods or services to Cohu or Xcerra, as applicable;

Table of Contents

delay or defer other decisions concerning, or refuse to extend credit to, Cohu or Xcerra, as applicable;

cease further joint development activities; or

otherwise seek to change the terms on which they do business with Cohu or Xcerra, as applicable.

While Cohu and Xcerra are attempting to address these risks through communications with their respective existing and prospective customers, suppliers or joint development partners, such parties may be reluctant to continue to do business with Cohu or Xcerra, as applicable, due to the potential uncertainty about, among other things, product offerings and the support and service following the consummation of the Merger.

The Merger Agreement subjects Cohu and Xcerra to certain restrictive covenants that will restrict the way each party conducts its respective business until either the consummation or the termination of the Merger which could adversely affect the price of Cohu Common Stock and Cohu's results of operations, as well as the price of Xcerra Common Stock and Xcerra's results of operations.

The Merger Agreement restricts each of Xcerra and Cohu, subject to certain exceptions, from making certain acquisitions and taking other specified actions until the completion of the Merger, or the termination of the Merger Agreement pursuant to its terms. These restrictions may prevent Cohu and Xcerra from pursuing otherwise attractive business opportunities and making other changes to their respective businesses prior to completion of the Merger or termination of the Merger Agreement. See *The Merger Agreement Conduct of Business Pending the Merger* for further detail on the various restrictions on Cohu and Xcerra during the pendency of the Merger.

Some of Cohu's and Xcerra's officers and directors may have interests in the Merger that are different from, or in addition to, the interests of Cohu stockholders and Xcerra stockholders.

When considering the recommendation of the Cohu Board and the Xcerra Board with respect to the Merger, Xcerra stockholders and Cohu stockholders should be aware that some directors and executive officers of Xcerra and Cohu, respectively, may have interests in the Merger that may be different from, or in addition to, the interests of Xcerra stockholders and Cohu stockholders, respectively. These interests include, among others, potential payments under employment agreements and change in control severance agreements, rights to acceleration of vesting and exercisability of options, and acceleration of vesting of restricted stock units as a result of the Merger, rights to ongoing indemnification and insurance coverage for acts or omissions occurring prior to the Merger, continued employment as an executive officer of Cohu and/or service as a director of Cohu. See *The Merger Interests of Cohu Directors and Executive Officers in the Merger* and *The Merger Interests of Xcerra Directors and Executive Officers in the Merger* for more information.

As a result of these interests, the directors and executive officers of Cohu or Xcerra, as the case may be, might be more likely to support and to vote in favor of the proposals described in this joint proxy statement/prospectus than if such persons did not have these interests. Each of Cohu's and Xcerra's stockholders should consider whether these interests might have influenced the directors and executive officers of Cohu and Xcerra, respectively, to support or recommend, with respect to Xcerra, approval of the Merger Agreement or, with respect to Cohu, approval of the issuance of the Cohu Common Stock payable in the Merger. At the close of business on Cohu Record Date, Cohu's directors and executive officers were entitled to vote approximately []% of the then-outstanding shares of Cohu Common Stock. As of the close of business on Xcerra Record Date, Xcerra's directors and executive officers were entitled to vote approximately []% of the then-outstanding shares of Xcerra Common Stock.

There can be no assurance that Cohu will be able to secure the funds necessary to pay the Cash Consideration on acceptable terms, in a timely manner or at all.

Cohu intends to fund the Cash Consideration to be paid to Xcerra stockholders with a combination of unrestricted cash on hand and debt financing. To this end, Cohu has entered into the Commitment Letter

Table of Contents

providing for, as of the date of this joint proxy statement/prospectus, the Term Facility and the Cash Bridge Facility. The obligations of the Lender to provide the Facilities are subject to a number of customary conditions. However, as of the date of this joint proxy statement/prospectus, neither Cohu nor any of its subsidiaries has entered into definitive agreements for the Debt Financing (as defined herein) (or any equity issuance or other financing arrangements in lieu thereof). There can be no assurance that Cohu will be able to secure the Debt Financing pursuant to the Commitment Letter. See *The Merger Financing Relating to the Merger* for a discussion of Cohu's Merger-related financing.

In the event that the Debt Financing contemplated by the Commitment Letter is not available, other financing may not be available on acceptable terms, in a timely manner or at all. If Cohu is unable to secure financing, the Merger may be delayed or not be completed. In addition, Cohu may be required, pursuant to the terms of the Merger Agreement, to pay to Xcerra a \$45.0 million termination fee if the Merger Agreement is terminated by Xcerra under certain circumstances related to a failure by Cohu to obtain financing. See *The Merger Agreement Termination Fees Termination Fee Payable by Cohu* for more information.

The failure to complete the Merger could have an adverse impact on the price of each of Xcerra Common Stock and Cohu Common Stock as well as the future business and operating results of Xcerra and Cohu.

If the Merger is not completed, Xcerra and Cohu would be subject to a number of consequences that could adversely affect their businesses, results of operations and the price of each of Xcerra Common Stock and Cohu Common Stock, including the following:

Xcerra and Cohu would not realize the anticipated benefits of the Merger, including among other things, increased operating efficiencies;

either party could be required to pay a termination fee of \$22.8 million to the other party under certain circumstances, and Cohu could be required to pay the Financing Termination Fee of \$45.0 million if the failure to complete the Merger related to a failure by Cohu to obtain financing;

Xcerra and Cohu will have incurred significant costs in connection with the Merger that they will be unable to recover, including transaction, legal, employee-related and other costs;

either party could experience the potential loss of key personnel during the pendency of the Merger, as employees may experience uncertainty about their future roles with the combined company;

Xcerra and Cohu will have been subject to certain restrictions on the conduct of their respective businesses, which could prevent them from making certain acquisitions or dispositions or pursuing certain business opportunities during the pendency of the Merger;

Xcerra or Cohu could be subject to legal proceedings related to the Merger;

the failure of the Merger to be consummated could result in negative publicity and a negative impression of Xcerra or Cohu in the investment community;

either party could experience disruptions to its business resulting from the announcement and pendency of the Merger, including any adverse changes in its relationships with its customers, strategic partners, suppliers, licensees, other business partners and employees, may continue or intensify in the event the Merger is not consummated;

Xcerra or Cohu may not be able to take advantage of alternative business opportunities or effectively respond to competitive pressures;

either party could experience an increase in employee departures; and

The trading price of Xcerra Common Stock and/or Cohu Common Stock may decline to the extent that the current respective market prices of Xcerra Common Stock and Cohu Common Stock reflect an assumption that the Merger will be completed.

Table of Contents

The occurrence of any of these events, individually or in combination, could have a material adverse effect on Xcerra's and/or Cohu's results of operations or the trading price of Xcerra Common Stock or Cohu Common Stock.

Litigation that may be filed against Xcerra, Cohu and Merger Sub could prevent or delay the completion of the Merger or result in the payment of damages following completion of the Merger.

Xcerra, Cohu, Merger Sub and members of the Xcerra Board and Cohu Board may in the future be parties, among others, to various claims and litigation related to the Merger, including putative stockholder class actions. Among other remedies, the plaintiffs in such matters may seek to enjoin the Merger. The results of complex legal proceedings are difficult to predict, and could delay or prevent the Merger from becoming effective in a timely manner. The existence of litigation relating to the Merger could impact the likelihood of obtaining the required approval of the Xcerra stockholders and the Cohu stockholders. Moreover, any future litigation could be time consuming and expensive, could divert Cohu and Xcerra's respective management's attention away from their regular business, and, if adversely resolved against either Cohu, Xcerra or Merger Sub, could have a material adverse effect on their respective financial condition.

One of the conditions to the closing of the Merger is that no governmental authority of competent jurisdiction shall have issued any order, judgment, decision, decree, injunction, ruling, or award that has the effect of prohibiting or otherwise preventing the consummation of the Merger, the issuance of Cohu Common Stock in the Merger or the other transactions contemplated by the Merger Agreement, and that no law shall have been enacted, issued or promulgated by any governmental authority of competent jurisdiction that has the effect of making the Merger, the issuance of Cohu Common Stock in the Merger or the other transactions contemplated by the Merger Agreement illegal or that has the effect of prohibiting or otherwise preventing the consummation of the Merger, the issuance of Cohu Common Stock in the Merger or the other transactions contemplated by the Merger Agreement. Consequently, if a settlement or other resolution is not reached with respect to any future litigation resulting in the imposition of injunctive or other relief prohibiting, delaying or otherwise adversely affecting Cohu's and/or Xcerra's ability to complete the Merger on the terms contemplated by the Merger Agreement, then such injunctive or other relief may prevent the Merger from becoming effective in a timely manner or at all.

Shares of Cohu Common Stock to be received by Xcerra stockholders in connection with the Merger will have rights different from the shares of Xcerra Common Stock.

Upon completion of the Merger, the rights of former Xcerra stockholders who become Cohu stockholders will be governed by Cohu's amended and restated certificate of incorporation, as amended, and Cohu's amended and restated bylaws. The rights associated with Xcerra Common Stock are different from the rights associated with Cohu Common Stock. See *Comparison of Rights of Stockholders* for a comparison of the rights associated with Cohu Common Stock and those associated with Xcerra Common Stock.

Risk Factors Relating to the Combined Company Following the Merger

Cohu may fail to realize the benefits expected from the Merger, which could adversely affect Cohu's stock price.

The anticipated benefits Cohu expects from the Merger are, necessarily, based on projections and assumptions about the combined businesses of Cohu and Xcerra, which may not materialize as expected or which may prove to be inaccurate. The value of Cohu Common Stock following the completion of the Merger could be adversely affected if Cohu is unable to realize the anticipated benefits from the Merger on a timely basis or at all. Achieving the benefits of the Merger will depend, in part, on Cohu's ability to integrate the business and operations of Xcerra successfully and efficiently with Cohu's business. The challenges involved in this integration, which will be complex and

time-consuming, include the following:

difficulties entering new markets or manufacturing in new geographies where Cohu has no or limited direct prior experience;

Table of Contents

successfully managing relationships with Cohu and Xcerra's combined supplier and customer base;

coordinating and integrating independent research and development and engineering teams across technologies and product platforms to enhance product development while reducing costs;

coordinating sales and marketing efforts to effectively position the combined company's capabilities and the direction of product development;

limitations or restrictions required by regulatory authorities on the ability of management of Cohu and of Xcerra to conduct planning regarding the integration of the two companies;

difficulties and significant costs in integrating the systems and processes of two companies with complex operations including multiple manufacturing sites;

the increased scale and complexity of Cohu's operations resulting from the Merger;

Cohu's ability to achieve the cost synergies contemplated by the proposed transaction within the expected time frame, and significant costs of integration and restructuring;

retaining key employees of Cohu and Xcerra;

obligations that Cohu will have to counterparties of Xcerra that arise as a result of the change in control of Xcerra; and

the diversion of management attention from other important business objectives.

If Cohu does not successfully manage these issues and the other challenges inherent in integrating an acquired business of the size and complexity of Xcerra, then Cohu may not achieve the anticipated benefits of the Merger and Cohu's revenue, expenses, operating results and financial condition could be materially adversely affected.

The business and operating results of Cohu could be harmed by the highly cyclical nature of the semiconductor industry.

Cohu and Xcerra operate in the semiconductor industry. Historically, the semiconductor industry has been highly cyclical with recurring periods of diminished product demand. Significant downturns in the semiconductor industry are often experienced in connection with, or in anticipation of, excess manufacturing capacity worldwide, maturing product cycles and declines in general economic conditions. Even if demand for the products and solutions of Cohu and Xcerra remains constant after the completion of the Merger, oversupply in the semiconductor industry may create competitive pressures that can degrade pricing levels and reduce revenues of the combined company. Any failure to expand in cycle upturns to meet customer demand and delivery requirements or contract in cycle downturns at a pace

consistent with cycles in the industry could have an adverse effect on the business of the combined company.

Cohu stockholders and Xcerra stockholders will have a reduced ownership and voting interest after completion of the Merger and will exercise less influence over management.

Cohu stockholders currently have the right to vote on the election of the Cohu Board and on other matters affecting Cohu. Similarly, Xcerra stockholders presently have the right to vote on the election of the Xcerra Board and on other matters affecting Xcerra. Immediately following the Merger, Cohu stockholders will own approximately 71% of Cohu Common Stock, and Xcerra stockholders will own approximately 29% of Cohu Common Stock, based on the number of shares of Cohu and Xcerra Common Stock outstanding as of July 16, 2018. As a result, current Cohu stockholders and current Xcerra stockholders may have less influence on the management and policies of the combined company than they now have on the management and policies of Cohu and Xcerra, respectively.

Table of Contents

Uncertainties associated with the Merger may cause a loss of employees and may otherwise materially adversely affect the future business and operations of the combined company.

The combined company's success after the Merger will depend in part upon the ability of the combined company to retain executive officers and key employees of Cohu and Xcerra. In some of the fields in which Cohu and Xcerra operate, there are only a limited number of people in the job market who possess the requisite skills and it may be increasingly difficult for the combined company to hire personnel over time. The combined company will operate in several geographic locations where the labor markets, especially for technical professionals, are particularly competitive. Each of Cohu and Xcerra has experienced difficulty in hiring and retaining sufficient qualified management, manufacturing, technical, application engineering, marketing, sales and support personnel in parts of their respective businesses.

Current and prospective employees of Cohu and Xcerra may experience uncertainty about their roles with the combined company following the Merger. In addition, key employees may depart because of issues relating to the uncertainty and difficulty of integration or a desire not to remain with the combined company following the Merger. The loss of services of any key personnel or the inability to hire new personnel with the requisite skills could restrict the ability of the combined company to develop new products or enhance existing products in a timely manner, to sell products to customers or to manage the business of the combined company effectively. Also, the business, financial condition and results of operations of the combined company could be materially adversely affected by the loss of any of its key employees, by the failure of any key employee to perform in his or her current position, or by the combined company's inability to attract and retain skilled employees, particularly for technical professionals.

Third parties may claim that the combined company is infringing their intellectual property, and the combined company could suffer significant litigation or licensing expenses or be prevented from selling its products or services.

The semiconductor industry is characterized by uncertain and conflicting intellectual property claims and vigorous protection and pursuit of intellectual property rights. Each of Cohu and Xcerra from time to time is involved in disputes regarding patent and other intellectual property rights. Each of Cohu and Xcerra has in the past received, and the combined company may in the future receive, communications from third parties asserting that certain of products, processes or technologies of the combined company infringe upon their patent rights, copyrights, trademark rights or other intellectual property rights. The combined company may also receive claims of potential infringement if it attempts to license intellectual property to others. Defending these claims may be costly and time consuming, and may divert the attention of management and key personnel from other business issues. The complexity of the technology involved and the uncertainty of intellectual property litigation increase these risks. Claims of intellectual property infringement also might require the combined company to enter into costly royalty or license agreements. The combined company may be unable to obtain royalty or license agreements on acceptable terms, or at all. Similarly, changing the combined company's products or processes to avoid infringing the rights of others may be costly or impractical. The combined company may also be subject to significant damages or injunctions against the development and sale of certain of its products and services. Resolution of such disputes could have a material adverse effect on the combined company's results of operations or financial condition and may require material changes in production processes and products.

The combined company may not be able to adequately protect or enforce its intellectual property rights, which could harm its competitive position, cause license and royalty revenue to decline and result in costly litigation to enforce its rights.

The combined company's success and future revenue growth will depend, in part, on its ability to protect its intellectual property. The combined company will primarily rely on patent, copyright, trademark and trade secret laws, as well as nondisclosure agreements and other methods, to protect its proprietary technologies and processes. It is possible that competitors or other unauthorized third parties may obtain, copy, use or disclose,

Table of Contents

illegally or otherwise, the combined company's proprietary technologies and processes, despite efforts of the combined company to protect its proprietary technologies and processes. While the combined company will hold a significant number of patents, there can be no assurance that such patents will not be challenged. As new patents are issued, the claims allowed may not be sufficiently broad to protect the combined company's technology. In addition, any of Cohu's or Xcerra's existing patents, and any future patents issued to the combined company, may be challenged, invalidated or circumvented, either in connection with the transactions contemplated by the Merger Agreement or otherwise. As such, any rights granted under these patents may not provide the combined company with meaningful protection. Cohu and Xcerra may not have, and in the future the combined company may not be able to obtain, foreign patents or pending applications corresponding to its U.S. patents and applications. Even if foreign patents are granted, effective enforcement in foreign countries may not be available. If the combined company's patents do not adequately protect its technology, competitors may be able to offer products similar to the combined company's products. The combined company's competitors may also be able to develop similar technology independently or design around the combined company's patents.

The combined company may incur significant patent litigation costs as part of the licensing process or to enforce its patents. Litigation is subject to inherent risks and uncertainties that may cause actual results to differ materially from the combined company's expectations. If the combined company brings a patent infringement action and is not successful, its competitors would be able to use similar technology to compete with the combined company. Moreover, the defendant in such an action may successfully countersue the combined company for infringement of such counterparty's patents or assert a counterclaim that the combined company's patents are invalid or unenforceable. If the combined company does not prevail in the defense of patent infringement claims, it could be required to pay substantial damages and royalties, cease the manufacture, use and sale of infringing products in one or more geographic locations, expend significant resources to develop non-infringing technology, discontinue the use of specific processes or obtain licenses to the technology infringed, all of which could be materially adverse to the business and results of operations of the combined company.

The Merger could have an adverse effect on the Cohu and Xcerra brands.

The success of Cohu and Xcerra is largely dependent upon the ability of Cohu and Xcerra to maintain and enhance the value of their respective brands, their customers' connection to and perception of their respective brands, and sustain a positive relationship with customers and suppliers. Brand value, and as a result the businesses and results of operations of Cohu and Xcerra, could be severely damaged if the Merger receives considerable negative publicity or if customers or suppliers otherwise come to have a diminished view of the respective brands of Cohu and Xcerra as a result of the Merger or the common ownership of the existing businesses.

Following the Merger, Cohu will have significantly less cash on hand than Cohu and Xcerra collectively have as of the date of this joint proxy statement/prospectus.

Following an assumed completion of the Merger on March 31, 2018, after all other pro forma adjustments relating to the Merger, Cohu would have had, on a pro forma basis as of March 31, 2018, approximately \$151.1 million in cash, cash equivalents, and marketable securities. In addition, the combined company would have had, on a pro forma basis as of March 31, 2018 approximately \$351.5 million in long-term indebtedness and \$3.3 million of other short-term borrowings. By comparison, as of June 30, 2018, Cohu had approximately \$150.9 million in cash, cash equivalents, and marketable securities, and as of June 30, 2018, Xcerra had approximately \$147.4 million in cash, cash equivalents, and marketable securities. In addition, as of June 30, 2018, Cohu had approximately \$5.3 million of long-term debt and \$3.2 million of other short term borrowings, and as of June 30, 2018, Xcerra had approximately \$2.1 million of long-term debt. If the actual amount of cash and cash equivalents that Cohu has on hand following the Merger is less than expected, this could adversely affect Cohu's ability to grow and to perform which in turn could

have a materially adverse effect on the business and results of operations of the combined company. See *The Merger Financing Relating to the Merger* for more information.

Table of Contents

The use of cash and incurrence of substantial indebtedness in connection with the financing of the Merger may have an adverse impact on Cohu's liquidity, limit Cohu's flexibility in responding to other business opportunities and increase Cohu's vulnerability to adverse economic and industry conditions.

The Merger will be financed in part by the use of Cohu's cash on hand and the incurrence of indebtedness. As of June 30, 2018, Cohu had approximately \$127.0 million of cash and cash equivalents, approximately \$23.9 million of short-term investments and approximately \$8.4 million of total debt outstanding. In connection with the Merger, Cohu expects to enter into the Facilities. The proceeds from the Facilities are expected to be used to pay part of the Cash Consideration and to pay transaction related fees and expenses. The use of cash on hand and indebtedness to finance the acquisition will reduce Cohu's liquidity and could cause Cohu to place more reliance on cash generated from operations to pay principal and interest on Cohu's debt, thereby reducing the availability of Cohu's cash flow for working capital, dividend and capital expenditure needs or to pursue other potential strategic plans. Cohu expects that the agreements it will enter into with respect to the Debt Financing will contain certain negative covenants, including limitations on Cohu's ability to incur additional liens and indebtedness or to pay dividends and make certain investments. Cohu's ability to comply with these negative covenants may be affected by events beyond its control. The indebtedness and these negative covenants will also have the effect, among other things, of limiting Cohu's ability to obtain additional financing, if needed, limiting its flexibility in the conduct of its business and making Cohu more vulnerable to economic downturns and adverse competitive and industry conditions. In addition, a breach of the negative covenants could result in an event of default with respect to the indebtedness, which, if not cured or waived, could result in the indebtedness becoming immediately due and payable and could have a material adverse effect on Cohu's business, financial condition or operating results. See *The Merger Financing Relating to the Merger* for more information.

Because of high debt levels, Cohu may not be able to service its debt obligations in accordance with their terms after the completion of the Merger.

Cohu's ability to meet its expense and debt service obligations contained in the agreements Cohu expects to enter into with respect to the Debt Financing will depend on Cohu's future performance, which will be affected by financial, business, economic and other factors, including potential changes in industry conditions, industry supply and demand balance, customer preferences, the success of Cohu's products and pressure from competitors. In addition, Cohu is subject to interest rate risks, and continuing increases in interest rates will increase Cohu's debt service obligations. Should Cohu's revenues decline after the Merger, Cohu may not be able to generate sufficient cash flow to pay its debt service obligations when due. If Cohu is unable to meet its debt service obligations after the Merger or should Cohu fail to comply with the covenants contained in the agreements governing its indebtedness, Cohu may be required to refinance all or part of its debt, sell important strategic assets at unfavorable prices, incur additional indebtedness or issue Cohu Common Stock or other equity securities. Cohu may not be able to, at any given time, refinance its debt, sell assets, incur additional indebtedness or issue equity securities on terms acceptable to Cohu, in amounts sufficient to meet Cohu's needs or at all. If Cohu is able to raise additional funds through the issuance of equity securities, such issuance would also result in dilution to Cohu's stockholders. Cohu's inability to service its debt obligations or refinance its debt could have a material adverse effect on its business, financial conditions or operating results after the Merger. In addition, Cohu's debt obligations may limit its ability to make required investments in capacity, technology or other areas of its business, which could have a material adverse effect on its business, financial conditions or operating results.

The Merger may result in significant charges or other liabilities that could adversely affect the financial results of the combined company.

The financial results of the combined company may be adversely affected by cash expenses and non-cash accounting charges incurred in connection with the integration of the respective businesses and operations of Cohu and Xcerra. The amount and timing of these possible charges are not yet known. Further, Cohu's failure to identify or accurately assess the magnitude of certain liabilities that Cohu is assuming in the Merger could result

Table of Contents

in unexpected litigation or regulatory exposure, unfavorable accounting charges, unexpected increases in taxes due, a loss of anticipated tax benefits or other adverse effects on Cohu's business, operating results or financial condition. The price of Cohu Common Stock following the Merger could decline to the extent the combined company's financial results are materially affected by any of these events.

Cohu expects to incur substantial expenses related to the Merger.

Cohu expects to incur substantial expenses in connection with the consummation of the Merger and integrating the business, operations, systems, technologies, policies and procedures of Xcerra with those of Cohu. While Cohu has assumed that a certain level of transaction and integration expenses would be incurred, there are a number of factors beyond its control that could affect the total amount or the timing of its integration expenses. Many of the expenses that will be incurred, by their nature, are difficult to estimate accurately at the present time. As a result, the transaction and integration expenses associated with the Merger could, particularly in the near term, exceed the savings that Cohu expects to achieve from the elimination of duplicative expenses and the realization of economies of scale and cost savings related to the integration of the businesses following the completion of the Merger.

Significant developments stemming from the current U.S. presidential administration's priorities or initiatives, particularly with respect to trade, could have a material adverse effect on the combined company.

The current U.S. presidential administration has proposed restrictions on free trade generally and significant increases in tariffs on goods imported into the United States, particularly from China. In addition, the administration has notified Congress of its intentions to begin renegotiating NAFTA, and withdrawn the United States from negotiations for the Trans-Pacific Partnership. Changes in U.S. social, political, regulatory and economic conditions or in laws and policies governing foreign trade, manufacturing, development and investment in the territories and countries where Cohu or Xcerra currently develop and sell products and any negative sentiments towards the United States as a result of such changes, could adversely affect the business of the combined company. To the extent U.S. policies lead to an economic downturn, in the United States or abroad, the effects could materially affect the business of the combined company in many ways, any of which could have a material adverse effect on the combined company's results of operations.

Cohu's actual financial position and results of operations may differ materially from the unaudited pro forma financial data included herein.

The unaudited pro forma financial data included herein are presented for illustrative purposes only and are not necessarily indicative of what Cohu's actual financial position or results of operations would have been had the Merger been completed on the dates indicated. These data reflect adjustments, which are based upon preliminary estimates, to allocate the purchase price to Xcerra's net assets. The purchase price allocation reflected in this document is preliminary, and final allocation of the purchase price will be based upon the actual purchase price and the fair value of the assets and liabilities of Xcerra as of the date of the completion of the Merger. In addition, subsequent to the closing date of the Merger, there may be further refinements of the purchase price allocation as additional information becomes available.

Accordingly, the final purchase accounting adjustments might differ materially from the pro forma adjustments reflected herein. See *Selected Unaudited Pro Forma Combined Financial Information* for more information.

Table of Contents

The unaudited prospective financial information of Cohu and Xcerra included in this joint proxy statement/prospectus involves risks, uncertainties and assumptions, many of which are beyond the control of Cohu and Xcerra. As a result, it may not prove to be accurate and is not necessarily indicative of current values or future performance.

The unaudited prospective financial information of Cohu and Xcerra referred to in *The Merger Opinion of Cohu's Financial Advisor, Deutsche Bank*, *The Merger Opinion of Xcerra's Financial Advisor, Cowen* and *The Merger Unaudited Prospective Financial Information*, involves risks, uncertainties and assumptions and is not a guarantee of future performance. While the unaudited prospective financial information utilized by Cohu, Xcerra and their respective advisors in connection with the Merger and summarized in this joint proxy statement/prospectus was prepared in good faith based on information available at the time of preparation, no assurance can be made regarding future events or that the assumptions made in preparing such unaudited prospective financial information will accurately reflect future conditions. In preparing such unaudited prospective financial information, the respective managements of Cohu and Xcerra each made assumptions regarding, among other things, future economic, competitive, regulatory and financial market conditions and future business decisions that may not be realized and that are inherently subject to significant uncertainties and contingencies, including, among others, risks and uncertainties described or incorporated by reference in this section and the section entitled *Cautionary Statement Concerning Forward-Looking Statements*, all of which are difficult to predict and many of which are beyond the control of Cohu and Xcerra and, if the Merger is completed, will be beyond the control of the combined company. Thus, the future financial results of Cohu and Xcerra and, if the Merger is completed, the combined company, may materially differ from those expressed in the unaudited prospective financial information due to factors that are beyond Cohu's and Xcerra's ability to control or predict. Neither Cohu nor Xcerra can provide any assurance that Cohu's or Xcerra's unaudited prospective financial information will be realized or that Cohu's or Xcerra's future financial results will not materially vary from the applicable unaudited prospective financial information. The unaudited prospective financial information covers multiple years, and the information by its nature becomes subject to greater uncertainty with each successive year. The unaudited prospective financial information does not reflect Cohu's or Xcerra's current estimates and does not take into account any circumstances or events occurring after the date it was prepared.

The unaudited prospective financial information was not prepared with a view toward public disclosure or compliance with published guidelines of the SEC or the American Institute of Certified Public Accountants for preparation and presentation of prospective financial information or U.S. generally accepted accounting principles or GAAP and does not reflect the effect of any proposed or other changes in GAAP that may be made in the future. As a result, the unaudited prospective financial information cannot be considered predictive of actual future operating results, and this information should not be relied on as such.

The opinions rendered to the Cohu Board and Xcerra Board by the parties' respective financial advisors were based on the respective financial analyses performed, which considered factors such as market and other conditions then in effect, and prospective financial information and other information made available to such financial advisors, as of the date of their respective opinions. As a result, the opinions do not reflect changes in events or circumstances after the date of the opinions.

The opinions rendered to the Cohu Board and the Xcerra Board by the parties' respective financial advisors were provided in connection with, and at the time of, the Cohu Board's and the Xcerra Board's respective evaluations of the Merger. The opinions were necessarily based on the respective financial analyses performed, which considered market and other conditions then in effect, and prospective financial information and other information made available to them, as of the date of the respective opinions, which may have changed after the date of the respective opinion. The opinions did not speak as of the time that the Merger would be completed or as of any date other than the date of such opinions. For more information, see the sections entitled *The Merger Opinion of Cohu's Financial Advisor*,

Table of Contents

The Merger will result in changes to the Cohu Board that may affect the strategy and operations of the combined company as compared to that of Cohu and Xcerra as they currently exist.

If the Merger is completed, the composition of the Cohu Board will change. Upon completion of the Merger, the Cohu Board will include two new members selected from members of the Xcerra Board. There can be no assurance that the newly constituted Cohu Board will function effectively as a team and that there will not be any adverse effect on the combined company's business as a result.

Cohu cannot provide assurance that it will be able to continue paying dividends at the current rate.

Cohu plans to continue its currently quarterly dividend practices following the Merger. However, Cohu stockholders may not receive the same dividends following the Merger for various reasons, including the following:

as a result of the Merger and the issuance of shares of Cohu Common Stock in connection with the Merger, the total amount of cash required for Cohu to pay dividends at its current rate will increase;

Cohu may not have enough cash to pay such dividends due to Cohu's cash requirements, capital spending plans, cash flow or financial position;

decisions on whether, when and in which amounts to make any future distributions will remain at all times entirely at the discretion of the Cohu Board, which reserves the right to change Cohu's dividend practices at any time;

Rising interest rates, which increase Cohu's debt service obligations;

Cohu may desire to retain cash to maintain or improve its credit ratings; and

the amount of dividends that Cohu's subsidiaries may distribute to Cohu may be subject to restrictions imposed by state or foreign law, restrictions that may be imposed by state or foreign regulators, and restrictions imposed by the terms of any current or future indebtedness that these subsidiaries may incur.

Uncertainties underlie Cohu's expectation that, relative to Cohu on a stand-alone basis, the Merger will be accretive to Cohu's earnings per share after consummation of the Merger.

Cohu believes that, relative to Cohu on a stand-alone basis, the Merger will be accretive to Cohu's earnings per share following the consummation of the Merger. However, Cohu cannot give any assurance that the Merger will be accretive to Cohu's earnings per share. In addition to the uncertainties that underlie any financial forecast, Cohu will account for the Merger as an acquisition under Accounting Standards Codification Topic 805, Business Combinations, or ASC 805. The total cost of the Merger will be allocated to the underlying identifiable net tangible and intangible assets and liabilities based on their respective estimated fair values. Until the acquisition price and other factors are known, Cohu can only estimate the allocation of the acquisition price to the net assets acquired and the effect of the allocation on future results. That estimate could materially change.

Risk Factors Relating to Cohu s Business

You should read and consider factors specific to Cohu s business that will also affect the combined company following the completion of the Merger, as described in Part I, Item 1A in Cohu s Annual Report on Form 10-K for the year ended December 30, 2017 and in Part I, Item 1A in Cohu s Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2018, which have been filed by Cohu with the SEC and are incorporated by reference into this document. See *Where You Can Find More Information* in the forepart of this joint proxy statement/prospectus for the location of information incorporated by reference in this joint proxy statement/prospectus.

Table of Contents

Risk Factors Relating to Xcerra's Business

You should read and consider risk factors specific to Xcerra's business that will also affect the combined company following the completion of the Merger, as described in Part I, Item 1A of Xcerra's Annual Report on Form 10-K for the fiscal year ended July 31, 2017 and in Part I Item 1A of Xcerra's Quarterly Reports on Form 10-Q for the quarterly periods ended October 31, 2018, January 31, 2018 and April 30, 2018, which have been filed by Xcerra with the SEC and are incorporated by reference into this document. See *Where You Can Find More Information* in the forepart of this joint proxy statement/prospectus for the location of information incorporated by reference in this joint proxy statement/prospectus.

Table of Contents**FINANCIAL SUMMARY****Selected Historical Consolidated Financial Data of Cohu**

The following table presents selected historical consolidated financial data of Cohu. The selected historical consolidated financial data of Cohu for each the years ended December 30, 2017, December 31, 2016, December 26, 2015, and as of December 30, 2017 and December 31, 2016, are derived from Cohu's audited consolidated financial statements and related notes contained in its Annual Report on Form 10-K for the year ended December 30, 2017, which is incorporated by reference into this joint proxy statement/prospectus. The selected historical consolidated financial data of Cohu for each of the years ended December 27, 2014 and December 28, 2013, and as of December 26, 2015, December 27, 2014 and December 28, 2013, have been derived from Cohu's audited consolidated financial statements for such years, which have not been incorporated by reference into this joint proxy statement/prospectus.

The selected historical consolidated financial data of Cohu as of, and for the three months ended, March 31, 2018 and the three months ended March 25, 2017, are derived from Cohu's unaudited consolidated financial statements and related notes contained in its Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2018, which is incorporated by reference into this joint proxy statement/prospectus. The selected historical consolidated financial data of Cohu as of March 25, 2017 are derived from Cohu's unaudited consolidated financial statements and related notes contained in its Quarterly Report on Form 10-Q for the quarterly period ended March 25, 2017, which has not been incorporated by reference into this joint proxy statement/prospectus. Cohu's management believes that Cohu's unaudited consolidated financial statements have been prepared on a basis consistent with its audited financial statements and include all normal and recurring adjustments necessary for a fair presentation of the results for each interim period.

You should read the following selected historical consolidated financial data of Cohu in conjunction with Cohu's audited consolidated financial statements contained in its Annual Report on Form 10-K for the year ended December 30, 2017 and unaudited consolidated financial statements and related notes contained in its Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2018. In particular, see the notes to Cohu's audited consolidated financial statements and unaudited consolidated financial statements for significant events affecting the comparability of results as well as material uncertainties regarding Cohu's future financial condition and results of operations.

	As of/For the Three Months Ended			As of/For the Years Ended			
	Mar. 31, 2018 ⁽¹⁾	Mar. 25, 2017	Dec. 30, 2017 ⁽²⁾	Dec. 31, 2016	Dec. 26, 2015	Dec. 27, 2014	Dec. 28, 2013
<i>(in thousands, except per share amounts)</i>							
Statement of Operations Data:							
Net sales	\$ 95,150	\$ 81,097	\$ 352,704	\$ 282,084	\$ 269,654	\$ 316,629	\$ 214,511
Gain on sale of facility	\$	\$	\$	\$	\$ 3,198	\$	\$
Income (loss) from continuing operations	\$ 8,122	\$ 6,763	\$ 33,121	\$ 3,260	\$ 5,792	\$ 14,780	\$ (28,548)
Per Common Share Data:							
Basic earnings per share	\$ 0.28	\$ 0.25	\$ 1.19	\$ 0.12	\$ 0.22	\$ 0.58	\$ (1.15)

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Diluted earnings per share	\$ 0.28	\$ 0.24	\$ 1.15	\$ 0.12	\$ 0.22	\$ 0.57	\$ (1.15)
Dividends declared per common share	\$ 0.06	\$ 0.06	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
Balance Sheet Data:							
Total working capital	\$ 219,355	\$ 172,283	\$ 212,171	\$ 176,460	\$ 171,272	\$ 142,194	\$ 125,837
Total assets	\$ 422,718	\$ 378,767	\$ 420,457	\$ 345,512	\$ 345,346	\$ 344,765	\$ 345,423
Long-term debt	\$ 5,838	\$ 7,084	\$ 5,855	\$	\$	\$	\$
Total Cohu stockholders equity	\$ 298,352	\$ 245,356	\$ 289,091	\$ 235,469	\$ 238,137	\$ 247,068	\$ 253,160

(1) Cohu adopted Accounting Standards Codification (ASC) Topic 606, *Revenue from Contracts with Customers* (ASC 606), on December 31, 2017, the first day of its 2018 fiscal year. It was implemented using the modified

Table of Contents

retrospective method of adoption which only applies to those contracts which were not completed as of December 31, 2017. Net sales for the quarter ended March 31, 2018, have been accounted for using ASC 606 and all prior year amounts and the three-month period ended March 25, 2017, have not been adjusted.

- (2) On January 4, 2017, Cohu purchased Kita Manufacturing Co. Ltd. and the results of its operations have been included in Cohu's consolidated financial statements since that date. Additionally, results for the year ended December 30, 2017, include the impact from the Tax Cuts and Jobs Act.

Selected Historical Consolidated Financial Data of Xcerra

The selected historical consolidated financial data of Xcerra for each of the years ended July 31, 2017, 2016 and 2015 and as of July 31, 2017 and 2016 has been derived from Xcerra's audited consolidated financial statements included in Xcerra's Annual Report on Form 10-K for the year ended July 31, 2017, filed with the SEC on September 11, 2017, as amended on November 21, 2017, which is incorporated by reference herein. The selected historical consolidated financial data of Xcerra presented for each of the years July 31, 2014 and 2013 and as of July 31, 2015, 2014 and 2013 has been derived from Xcerra's audited consolidated financial statements not incorporated by reference herein. The results for any historical period are not necessarily indicative of future results of Xcerra or the combined company following completion of the Merger.

The selected historical consolidated financial data of Xcerra as of April 30, 2018, and for each of the nine months ended April 30, 2018 and 2017 were derived from the unaudited historical consolidated financial statements included in Xcerra's Quarterly Report on Form 10-Q for the period ended April 30, 2018, filed with the SEC on June 11, 2018, which is incorporated by reference herein. The selected historical consolidated financial data of Xcerra as of April 30, 2017 was derived from Xcerra's Quarterly Report on Form 10-Q for the period ended April 30, 2017, filed with the SEC on June 7, 2017, which is not incorporated by reference herein. Interim results for the nine months ended and as of April 30, 2018 are not necessarily indicative of, and are not projections for, the results to be expected for the fiscal year ending July 31, 2018.

Table of Contents

This financial data should be read in conjunction with the consolidated financial statements and related notes incorporated by reference in this joint proxy statement/prospectus, as well as other information that has been filed by Xcerra with the SEC. See *Where You Can Find More Information* beginning on page 188 for more information on where you can obtain copies of this information.

	Nine Months Ended April 30,		Fiscal Years Ended July 31,				
	(In thousands except per share and ratio data)		(In thousands except per share and ratio data)				
	2018 ⁽¹⁾⁽²⁾	2017 ⁽¹⁾	2017 ⁽¹⁾	2016 ⁽¹⁾	2015 ⁽¹⁾	2014 ⁽¹⁾	2013
Consolidated Statements of Operations Data:							
Net sales	\$ 346,279	\$ 263,845	\$ 390,771	\$ 324,206	\$ 397,978	\$ 305,106	\$ 151,982
Cost of sales	183,670	148,373	217,662	184,280	218,064	165,248	71,223
Engineering and product development expenses	50,848	45,891	61,689	60,929	64,157	60,733	52,314
Selling, general and administrative expenses	65,830	58,069	82,141	76,742	82,124	77,017	39,253
Amortization of purchased intangible assets	423	518	676	1,203	1,834	1,936	1,582
Restructuring	688	592	791	924	2,206	3,943	476
Income (loss) from continuing operations	44,820	10,402	27,812	128	29,593	(3,771)	(12,866)
Bargain purchase gain						8,621	
Other income (expense), net	(1,361)	1,386	687	671	4,513	(1,992)	464
Income (loss) from continuing operations before provision for income taxes	43,459	11,788	28,499	799	34,106	2,858	(12,402)
Provision for (benefit from) income taxes	6,074	1,650	5,944	(1,660)	2,588	767	(275)
Income (loss) from continuing operations	37,385	10,138	22,555	2,459	31,518	2,091	(12,127)
				8,715	(3,292)	(1,258)	

Income (loss) from
discontinued
operations, net of tax

Net income (loss)	\$ 37,385	\$ 10,138	\$ 22,555	\$ 11,174	\$ 28,226	\$ 833	\$ (12,127)
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Net income
attributable to
noncontrolling
interest:

	\$ 169	\$	\$	\$	\$	\$	\$
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Net income (loss)

attributable to Xcerra	\$ 37,216	\$ 10,138	\$ 22,555	\$ 11,174	\$ 28,226	\$ 833	\$ (12,127)
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Basic net income
(loss) per share
attributable to
Xcerra:

Net income (loss)

from continuing operations	\$ 0.68	\$ 0.19	\$ 0.42	\$ 0.05	\$ 0.59	\$ 0.04	\$ (0.25)
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Net income (loss)

from discontinued operations, net of tax				0.16	(0.06)	(0.02)	
---	--	--	--	------	--------	--------	--

Basic net income

(loss) per share	\$ 0.68	\$ 0.19	\$ 0.42	\$ 0.21	\$ 0.53	\$ 0.02	\$ (0.25)
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Diluted net income

(loss) per share

attributable to

Xcerra:

Net income (loss)

from continuing operations	\$ 0.67	\$ 0.19	\$ 0.41	\$ 0.05	\$ 0.58	\$ 0.04	\$ (0.25)
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Net income (loss)

from discontinued operations, net of tax				0.16	(0.06)	(0.02)	
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Diluted net income

(loss) per share	\$ 0.67	\$ 0.19	\$ 0.41	\$ 0.21	\$ 0.52	\$ 0.02	\$ (0.25)
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**Weighted average
common shares
used in computing
net income (loss)
per share:**

Basic	54,781	54,080	54,127	53,783	53,658	48,214	47,719
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Diluted	55,813	54,661	54,872	53,974	54,531	49,150	47,719
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**Consolidated
Balance Sheet Data:**

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Working capital	\$ 286,936	\$ 239,004	\$ 256,902	\$ 230,688	\$ 225,337	\$ 192,109	\$ 147,393
Property and equipment, net	30,191	26,965	28,509	25,483	31,450	32,153	16,647
Total assets	457,968	398,767	438,613	378,083	387,475	364,143	247,601
Total debt	2,544	21,984	21,327	24,019	26,447	68,748	
Stockholders equity	362,146	293,575	313,679	281,838	278,468	204,619	198,497
Other Information:							
Current ratio	4.40	4.07	3.61	4.48	4.04	3.31	4.91
Asset turnover	N/A	N/A	0.89	0.86	1.02	0.84	0.61
Debt as a percentage of stockholders equity	0.7%	7.5%	6.8%	8.5%	8.7%	25%	
Purchases of property and equipment	\$ 4,877	\$ 5,539	\$ 6,852	\$ 3,907	\$ 4,389	\$ 7,743	\$ 2,769
Depreciation and amortization	\$ 4,692	\$ 4,641	\$ 6,190	\$ 6,953	\$ 8,084	\$ 8,060	\$ 8,044

Table of Contents

- (1) The selected consolidated financial data for the fiscal years ended July 31, 2017, 2016, 2015 and 2014, and nine months ended April 30, 2018 and 2017, includes the results of Xcerra's Multitest, ECT and atg-Luther & Maelzer businesses, which Xcerra acquired from Dover Printing & Identification, Inc. on December 1, 2013.
- (2) The selected consolidated financial data for the nine months ended April 30, 2018, includes Xcerra's non-controlling interest in ALBS Solutions Sdn Bhd.

Table of Contents**Selected Unaudited Pro Forma Financial Data**

The following unaudited pro forma condensed combined statements of income data for the year ended December 30, 2017, and the three months ended March 31, 2018 reflect the Merger between Cohu and Xcerra as if it occurred on January 1, 2017. The following unaudited pro forma condensed combined balance sheet data as of March 31, 2018 reflects the Merger as if it had occurred on that date. Such unaudited pro forma condensed combined financial data is based on the historical financial statements of Cohu and Xcerra and gives effect to the Merger of Xcerra by Cohu under the acquisition method of accounting. The unaudited pro forma condensed combined statement of income for the year-ended December 30, 2017, will include (1) Cohu's year ended December 30, 2017 and (2) Xcerra's 12-month period ended January 31, 2018. The unaudited pro forma condensed combined pro forma statement of income for the three months ended March 31, 2018 will include (1) Cohu's three months ended March 31, 2018 and (2) Xcerra's three months ended January 31, 2018. The unaudited pro forma condensed combined balance sheet as of March 31, 2018, combines the historical consolidated balance sheets of Cohu as of March 31, 2018 and Xcerra as of January 31, 2018, giving effect to the Merger and the estimated borrowings used to finance the Merger as if it had occurred on March 31, 2018. As a result, the unaudited pro forma condensed combined financial information is based on certain significant assumptions and adjustments as discussed in the section titled *Unaudited Pro Forma Condensed Combined Financial Statements*, including assumptions related to allocating consideration paid to the assets acquired and liabilities assumed of Xcerra based on preliminary estimates of their fair value. The unaudited pro forma condensed combined financial statements are presented for illustrative purposes only and are not necessarily indicative of: (i) results of operations or financial position of the combined company or (ii) the future results of operations or financial position of the combined company. The unaudited pro forma condensed combined financial statements do not reflect any revenue enhancements or benefits from anticipated synergies, operating efficiencies or cost savings that may be associated with the Merger, nor do they reflect the costs necessary to achieve any revenue enhancements, anticipated synergies, operating synergies or cost savings. The following should be read in connection with the section of this joint proxy statement/prospectus entitled *Unaudited Pro Forma Condensed Combined Financial Statements*, and other information included in or incorporated by reference into this document.

	Unaudited Pro Forma Condensed Combined Financial Information	
	For the Three Months Ended March 31, 2018	For the Year Ended December 30, 2017
	<i>(in thousands, except per share amounts)</i>	
Condensed Combined Statements of Income Data:		
Net sales	\$ 205,426	\$ 813,827
Income from operations	\$ 12,375	\$ 58,649
Net income from continuing operations	\$ 4,685	\$ 31,309
Income per share:		
Basic		
Income from continuing operations	\$ 0.12	\$ 0.79
Diluted		

Income from continuing operations	\$ 0.11	\$ 0.76
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**March 31,
2018**
*(in
thousands)*

Condensed Combined Balance Sheet Data:

Total cash, cash equivalents and short-term investments	\$ 151,101
Total assets	\$ 1,159,225
Long-term liabilities	\$ 427,366
Total stockholders' equity	\$ 553,943

Table of Contents

COHU, INC. AND XCERRA CORPORATION

UNAUDITED PRO FORMA CONDENSED COMBINED FINANCIAL STATEMENTS

Cohu and Xcerra have different fiscal years. Cohu's fiscal year is based on a 52- or 53-week period ending on the last Saturday in December, whereas Xcerra's fiscal year is based on a July 31 fiscal year-end. The unaudited pro forma condensed combined balance sheet and statements of income have been prepared utilizing period ends that differ by less than 93 days, as permitted by Rule 11-02 Regulation S-X, Title 17 of the Code of Federal Regulations of the United States Part 210.

The unaudited pro forma condensed combined balance sheet as of March 31, 2018, combines the historical consolidated balance sheets of Cohu as of March 31, 2018 and Xcerra as of January 31, 2018, giving effect to the Merger and the estimated borrowings used to finance the Merger as if it had occurred on March 31, 2018. The unaudited pro forma condensed combined statement of income for the year-ended December 30, 2017, will include (1) Cohu's year ended December 30, 2017 and (2) Xcerra's 12-month period ended January 31, 2018. The unaudited pro forma condensed combined pro forma statement of income for the three months ended March 31, 2018 will include (1) Cohu's three months ended March 31, 2018 and (2) Xcerra's three months ended January 31, 2018. Accordingly, Xcerra's results of operations for the three months ended January 31, 2018 are included in both the annual and interim pro forma condensed combined income statements. The preliminary unaudited pro forma condensed combined statements of income for the year ended December 30, 2017, and the three months ended March 31, 2018, are presented as if the Merger and the estimated borrowings used to finance the Merger occurred on January 1, 2017. The historical consolidated financial information has been adjusted in the unaudited pro forma condensed combined financial statements to give effect to pro forma events that are (i) directly attributable to the Merger, (ii) factually supportable, and (iii) with respect to the statements of income, expected to have a continuing impact on the combined company's results.

The unaudited pro forma condensed combined financial statements should be read in conjunction with the accompanying notes to the unaudited pro forma condensed combined financial statements. In addition, the unaudited pro forma condensed combined financial information was based on, and should be read in conjunction with, the following historical consolidated financial statements and accompanying notes, which are incorporated by reference into this joint proxy statement/prospectus:

separate audited historical consolidated financial statements of Cohu as of, and for the year ended, December 30, 2017, and the related notes included in Cohu's Annual Report on Form 10-K for the year ended December 30, 2017;

separate audited historical consolidated financial statements of Xcerra as of and for the year ended July 31, 2017, and the related notes included in Xcerra's Annual Report on Form 10-K for the year ended July 31, 2017;

separate unaudited historical consolidated financial statements of Xcerra as of, and for the six months ended, January 31, 2017, and the related notes included in Xcerra's Quarterly Report on Form 10-Q for the quarterly period ended January 31, 2017;

separate unaudited historical condensed consolidated financial statements of Cohu as of, and for the three months ended, March 31, 2018, and the related notes included in Cohu's Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2018; and

separate unaudited historical consolidated financial statements of Xcerra as of, and for the three and six months ended, January 31, 2018, and the related notes included in Xcerra's Quarterly Report on Form 10-Q for the quarterly period ended January 31, 2018.

The unaudited pro forma condensed combined financial information has been prepared by Cohu using the acquisition method of accounting in accordance with GAAP. Cohu has been treated as the acquirer in the Merger for accounting purposes. The acquisition accounting is dependent upon certain valuation and other studies that

Table of Contents

have yet t