

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

**SCHEDULE TO
(RULE 14d-100)**

**Tender Offer Statement Under Section 14(d)(1) or 13(e)(1)
of the Securities Exchange Act of 1934
(Amendment No. 5)**

MINDSPEED TECHNOLOGIES, INC.
(Name of Subject Company)

MICRO MERGER SUB, INC.
(Offeror)

M/A-COM TECHNOLOGY SOLUTIONS HOLDINGS, INC.
(Parent of Offeror)
(Names of Filing Persons)

COMMON STOCK, \$0.01 PAR VALUE
(Title of Class of Securities)

602682205
(CUSIP Number of Class of Securities)

**John Croteau
President and Chief Executive Officer
M/A-COM Technology Solutions Holdings, Inc.
100 Chelmsford Street
Lowell, Massachusetts 01851
(978) 656-2500**

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications on Behalf of Filing Persons)

With a copy to:

**Jason Day
Jeffrey A. Beuche
Perkins Coie LLP
1900 Sixteenth Street, Suite 1400
Denver, Colorado 80202
(303) 291-2300**

CALCULATION OF FILING FEE

Transaction Valuation (1)	Amount of Filing Fee (2)
\$265,483,403.55	\$34,195

- (1) Estimated solely for purposes of calculating the amount of the filing fee. The transaction valuation was calculated by adding the sum of (1) 43,343,199 outstanding shares of common stock, par value \$0.01 per share ("**Shares**"), of Mindspeed Technologies, Inc. ("**Mindspeed**"), (2) 561,992 Shares subject to issuance pursuant to outstanding options exercisable under Mindspeed's equity plans (other than Mindspeed's Directors Stock Plan ("**Directors Plan**")), (3) 200,000 Shares subject to issuance pursuant to outstanding options and other equity awards under the Directors Plan which will accelerate in connection with the transaction, (4) 260,651 Shares reserved for issuance under the Mindspeed's Amended and Restated Employee Stock Purchase Plan, and (5) 8,205,129 Shares issuable upon the conversion of Mindspeed's 6.75% Convertible Senior Notes due 2017, with such sum multiplied by the offer price of \$5.05 per Share. The foregoing share figures have been provided by Mindspeed to the offerors and are as of November 15, 2013, the most recent practicable date.
- (2) The filing fee was calculated in accordance with Rule 0-11 of the Securities Exchange Act of 1934, as amended, and Fee Rate Advisory #1 for fiscal year 2014, issued August 30, 2013, by multiplying the transaction value by .0001288.

Check the box if any part of the fee is offset as provided by Rule 0-11(a)(2) and identify the filing with which the offsetting fee was previously paid. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

Amount Previously Paid: \$34,195
Form of Registration No.: Schedule TO

Filing Party: M/A-COM Technology Solutions Holdings, Inc.
Date Filed: November 19, 2013

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

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

- Third-party tender offer subject to Rule 14d-1.
 Issuer tender offer subject to Rule 13e-4.
 Going-private transaction subject to Rule 13e-3.
 Amendment to Schedule 13D under Rule 13d-2.

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

If applicable, check the appropriate box(es) below to designate the appropriate rule provision(s) relied upon:

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

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

This Amendment No. 5 (this "**Amendment**") amends and supplements the Tender Offer Statement on Schedule TO filed by M/A-COM Technology Solutions Holdings, Inc., a Delaware corporation ("**MACOM**"), and Micro Merger Sub, Inc., a Delaware corporation ("**Purchaser**") and a wholly-owned subsidiary of MACOM, with the Securities and Exchange Commission on November 19, 2013 (together with any amendments and supplements thereto, the "**Schedule TO**"). The Schedule TO relates to the offer by Purchaser to purchase all of the outstanding shares of common stock, par value \$0.01 per share (the "**Shares**"), of Mindspeed Technologies, Inc., a Delaware corporation ("**Mindspeed**"), at a price of \$5.05 per Share, net to the seller in cash, without interest, less any applicable withholding taxes, upon the terms and subject to the conditions set forth in the Offer to Purchase, dated November 19, 2013 (as it may be amended or supplemented, the "**Offer to Purchase**"), and the related Letter of Transmittal (as it may be amended or supplemented, the "**Letter of Transmittal**," and together with the Offer to Purchase, the "**Offer**"), copies of which are attached to the Schedule TO as Exhibits (a)(1)(A) and (a)(1)(B), respectively. Capitalized terms used but not otherwise defined herein shall have the meaning ascribed to such terms in the Offer to Purchase.

All information contained in the Offer to Purchase and the accompanying Letter of Transmittal, including all schedules thereto, is hereby incorporated by reference in response to Items 1 through 9 and Item 11 in the Schedule TO.

This Amendment is being filed to amend and supplement Items 1, 4, 8, 11 and 12 as provided below.

Item 1, Item 4, Item 8 and Item 11.

Items 1, 4, 8 and 11 of the Schedule TO are hereby amended and supplemented as follows:

"The Offer and withdrawal rights expired at 12:00 midnight, New York City time, at the end of December 17, 2013. Based on information provided by the Depositary, as of the Expiration Date, approximately 30,773,328 Shares were validly tendered and not withdrawn in the Offer, representing approximately 70.1 percent of outstanding Shares. The number of Shares tendered into the Offer satisfies the Minimum Condition. All conditions to the Offer having been satisfied, Purchaser accepted for payment, and expects to promptly pay for, all Shares validly tendered into and not withdrawn from the Offer.

Following the consummation of the Offer, MACOM and Purchaser completed the acquisition of Mindspeed through the Merger without a meeting of stockholders of Mindspeed in accordance with Section 251(h) of the DGCL. At the Effective Time, each Share not acquired in the Offer (other than (i) Shares then held by MACOM, Purchaser, Mindspeed or their respective subsidiaries, (ii) Shares that are held by any stockholders of Mindspeed who properly demanded appraisal rights in connection with the Merger as described in Section 16 — "Certain Legal Matters; Regulatory Approvals — Appraisal Rights" and (iii) shares of unvested restricted stock of Mindspeed assumed by MACOM in connection with the Merger) was converted into the right to receive the Offer Price, without interest, less any applicable withholding taxes. Following the Merger, the Shares will be delisted and will cease to trade on NASDAQ.

On December 18, 2013, MACOM issued a press release announcing the expiration and results of the Offer. The full text of the press release is attached as Exhibit (a)(5)(F) to the Schedule TO and is incorporated herein by reference."

Items 12. Exhibits.

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

<u>Exhibit No.</u>	<u>Description</u>
(a)(5)(F)	Press release issued by MACOM on December 18, 2013.

SIGNATURE

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

Dated: December 18, 2013

MICRO MERGER SUB, INC.

By: /s/ John Croteau

Name: John Croteau

Title: President and Chief Executive Officer

M/A-COM TECHNOLOGY SOLUTIONS HOLDINGS, INC.

By: /s/ John Croteau

Name: John Croteau

Title: President and Chief Executive Officer

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
(a)(1)(A)*	Offer to Purchase, dated November 19, 2013.
(a)(1)(B)*	Form of Letter of Transmittal.
(a)(1)(C)*	Form of Notice of Guaranteed Delivery.
(a)(1)(D)*	Form of Letter to Brokers, Dealers, Commercial Banks, Trust Companies and Other Nominees.
(a)(1)(E)*	Form of Letter to Clients for Use by Brokers, Dealers, Commercial Banks, Trust Companies and Other Nominees.
(a)(1)(F)*	Summary Advertisement as published in The New York Times on November 19, 2013.
(a)(5)(A)	Press release issued by MACOM on November 5, 2013 (incorporated by reference to Exhibit 99.1 of MACOM's Current Report on Form 8-K filed on November 5, 2013).
(a)(5)(B)	Slide Presentation, dated November 5, 2013 (incorporated by reference to Exhibit 99.1 to MACOM's Schedule TO-C filed on November 6, 2013).
(a)(5)(C)	Transcript of Investor Conference held by MACOM on November 5, 2013 (incorporated by reference to Exhibit 99.2 to MACOM's Schedule TO-C filed on November 6, 2013).
(a)(5)(D)	Presentation to Mindspeed Employees, dated November 6, 2013 (incorporated by reference to Exhibit 99.1 to MACOM's Schedule TO-C filed on November 6, 2013).
(a)(5)(E)**	Press release issued by MACOM on November 26, 2013.
(a)(5)(F)	Press release issued by MACOM on December 18, 2013.
(b)(1)	Amended and Restated Credit Agreement, dated as of September 26, 2013, among MACOM, the lenders party thereto, JPMorgan Chase Bank, N.A., as Administrative Agent, and HSBC Bank USA, National Association, RBS Citizens, N.A., Bank of America, N.A. and TD Bank, N.A., as Co-Documentation Agents (incorporated by reference to Exhibit 10.1 of MACOM's Current Report on Form 8-K filed on September 30, 2013).
(b)(2)	Amendment No. 1 to Amended and Restated Credit Agreement, dated November 5, 2013, among MACOM, the lenders party thereto and JPMorgan Chase Bank, N.A., as Administrative Agent (incorporated by reference to Exhibit 10.1 of MACOM's Current Report on Form 8-K filed on November 5, 2013).
(d)(1)	Agreement and Plan of Merger, dated as of November 5, 2013, among MACOM, Purchaser and Mindspeed (incorporated by reference to Exhibit 2.1 of MACOM's Current Report on Form 8-K filed on November 5, 2013).
(d)(2)*	Confidentiality Agreement, dated as of August 19, 2013, between MACOM and Mindspeed.
(d)(3)*	Exclusivity Agreement, dated as of October 4, 2013 and as amended on November 1, 2013, between MACOM and Mindspeed.
(d)(4)*	Non-Competition and Non-Solicitation Agreement, dated as of November 5, 2013, among MACOM, Mindspeed and Najabat Hasnain Bajwa.
(d)(5)*	Offer of Employment Letter, dated as of November 5, 2013, between M/A-COM Technology Solutions Inc. and Najabat Hasnain Bajwa.
(d)(6)	Amendment No. 2 to Section 382 Rights Agreement, dated as of November 5, 2013, between Mindspeed and Computershare Shareowners Services LLC (as successor in interest to Mellon Investor Services, LLC) (incorporated by reference to Exhibit 4.1 to Mindspeed's Current Report on Form 8-K/A filed on November 14, 2013).
(d)(7)***	Non-Competition and Non-Solicitation Agreement, dated as of December 11, 2013, among MACOM, Mindspeed and Preetinder Virk.
(d)(8)***	Offer of Employment Letter, dated as of December 11, 2013, between M/A-COM Technology Solutions Inc. and Preetinder Virk.
(g)	Not applicable.
(h)	Not applicable.

* Previously filed with the Tender Offer Statement on Schedule TO filed with the SEC on November 19, 2013.

** Previously filed with Amendment No. 1 to the Tender Offer Statement on Schedule TO filed with the SEC on November 26, 2013.

*** Previously filed with Amendment No. 4 to the Tender Offer Statement on Schedule TO filed with the SEC on December 11, 2013.



MACOM Successfully Completes Tender Offer for Mindspeed Technologies

LOWELL, Mass., December 18, 2013 – M/A-COM Technology Solutions Holdings, Inc. (NASDAQ: MTSI) (MACOM), a leading supplier of high performance RF, microwave, and millimeter wave products, today announced that it has successfully completed its previously announced tender offer to purchase all outstanding shares of common stock of Mindspeed Technologies, Inc. (NASDAQ: MSPD) (Mindspeed) for \$5.05 per share in cash. The tender offer expired at 12:00 midnight, New York City time, on December 17, 2013. As such, MACOM intends to complete the acquisition of Mindspeed today through a merger under Section 251(h) of the Delaware General Corporation Law.

John Croteau, President and Chief Executive Officer stated, "I am pleased to announce the successful completion of the Mindspeed tender. I believe the acquisition will firmly position MACOM as a leading global provider of high performance analog (HPA) solutions for high speed Networking as well as Enterprise applications. As foreshadowed in our November 5th announcement of the definitive agreement to acquire Mindspeed, yesterday Mindspeed announced a definitive agreement to divest its wireless business to Intel Corporation. We'll be squarely focused during the next 100 days on integration, realizing synergies and leveraging Mindspeed's high-growth, high-margin HPA portfolio to grow market share."

Based on information provided by Computershare Trust Company, N.A., the depositary for the tender offer, as of the expiration of the tender offer, approximately 30,773,328 shares were validly tendered and not withdrawn in the tender offer, representing approximately 70.1 percent of Mindspeed's outstanding shares. Accordingly, the condition to the tender offer that there be validly tendered and not withdrawn at least a majority of Mindspeed's outstanding shares has been satisfied. As a result, MACOM has accepted for payment in accordance with the terms of the tender offer all shares of Mindspeed common stock that were validly tendered and not withdrawn prior to expiration of the tender offer, and payment for such shares will be made promptly.

As a result of the completion of the merger intended to be completed today, all remaining eligible shares of Mindspeed common stock (other than (i) shares then held by MACOM, Mindspeed or their respective subsidiaries, (ii) shares that are held by any stockholders of Mindspeed who have properly demanded appraisal rights in connection with the Merger under Delaware law and (iii) shares of unvested restricted stock of Mindspeed assumed by MACOM in connection with the Merger) will be converted into the right to receive \$5.05 per share in cash, without interest and less any applicable withholding taxes, the same price that was paid in the tender offer. As a result of the merger, Mindspeed's common stock will cease to be traded on the NASDAQ Global Market as of December 18, 2013 and will no longer be listed.

About MACOM

M/A-COM Technology Solutions Holdings, Inc. (www.macomtech.com) is a leading supplier of high performance RF, microwave, and millimeter wave products that enable next-generation internet and modern battlefield applications. Recognized for its broad catalog portfolio of technologies and products, MACOM serves diverse markets, including CATV, wireless and optical communications infrastructure, satellite, radar, automotive, industrial, medical, and mobile devices. A pillar of the RF and microwave industry, we thrive on more than 60 years of solving our customers' most complex problems.

Headquartered in Lowell, Massachusetts, MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. MACOM has design centers and sales offices throughout North America, Europe, Asia and Australia.

MACOM, M/A-COM, M/A-COM Technology Solutions, M/A-COM Tech, Partners in RF & Microwave, The First Name in Microwave and related logos are trademarks of MACOM. All other trademarks are the property of their respective owners.

Special Note Regarding Forward-Looking Statements

This press release contains forward-looking statements based on MACOM management's beliefs and assumptions and on information currently available to our management. Forward-looking statements include, among others, statements concerning the Mindspeed transaction, including those regarding the potential date of closing and impact on MACOM and its results of operations of the acquisition, MACOM's execution of its announced strategies regarding the acquisition, realization of synergies and proposed divestiture activity. Forward-looking statements include all statements that are not historical facts and generally may be identified by terms such as "anticipates," "believes," "could," "estimates," "expects," "intends," "may," "plans," "potential," "predicts," "projects," "seeks," "should," "will," "would" or similar expressions and the negatives of those terms.

Forward-looking statements contained in this press release reflect MACOM's current views about future events and are subject to risks, uncertainties, assumptions and changes in circumstances that may cause those events or our actual activities or results to differ materially from those expressed in any forward-looking statement. Although MACOM believes that the expectations reflected in the forward-looking statements are reasonable, it cannot and does not guarantee future events, results, actions, levels of activity, performance or achievements, including the successful closing of the Mindspeed transaction. Readers are cautioned not to place undue reliance on these forward-looking statements. A number of important factors could cause actual results to differ materially from those indicated by the forward-looking statements, including, among others, costs associated with the merger, tender offer and financing of the Mindspeed transaction; matters arising in connection with the parties' efforts to comply with and satisfy applicable regulatory approvals and closing conditions relating to the transaction, delays in or inability to complete anticipated divestiture and restructuring

activities, disruption or disputes with buyers, employees, customers, suppliers or licensors arising from the acquisition or related divestiture activity, failure to achieve expected synergies and other anticipated benefits of the transaction, the potential for weakness or less than expected strength in our catalog business, continued weakness in our Networks market, lower than expected demand in any or all of our four primary end markets or from any of our large OEM customers based on macro-economic weakness or otherwise, the potential for defense spending cuts, program delays, cancellations or sequestration, failures or delays by customers in winning business or to make purchases from us in support of such business, lack of adoption or delayed adoption by customers and industries we serve of GaN or other solutions offered by us, failures or delays in porting and qualifying GaN process technology to our Lowell, MA fabrication facility, lower than expected utilization and absorption in our manufacturing facilities, lack of success or slower than expected success in our new product development efforts, loss of business due to competitive factors, product or technology obsolescence, customer program shifts or otherwise, lower than anticipated or slower than expected customer acceptance of our new product introductions, the potential for a shift in the mix of products sold in any period toward lower-margin products or a shift in the geographical mix of our revenues, the potential for increased pricing pressure based on competitive factors, technology shifts or otherwise, the impact of any executed or abandoned acquisition, divestiture or restructuring activity, the impact of supply shortages or other disruptions in our internal or outsourced supply chain, the relative success of our cost-savings initiatives, the potential for inventory obsolescence and related write-offs, the expense, business disruption or other impact of any current or future investigations, administrative actions, litigation or enforcement proceedings we may be involved in, and the impact of any claims of intellectual property infringement or misappropriation, which could require us to pay substantial damages for infringement, expend significant resources in prosecuting or defending such matters or developing non-infringing technology, incur material liability for royalty or license payments, or prevent us from selling certain of our products, as well as those factors described in "Risk Factors" in MACOM's filings with the Securities and Exchange Commission (SEC), including its Annual Report on Form 10-K for the fiscal year ended September 27, 2013 as filed with the SEC on December 5, 2013. MACOM undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

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