MINDSPEED TECHNOLOGIES, INC Form S-3MEF March 03, 2010

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As filed with the Securities and Exchange Commission on March 3, 2010

Registration No. 333-

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

Form S-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933 MINDSPEED TECHNOLOGIES, INC.

(Exact Name of Registrant as Specified in Its Charter)

Delaware

01-0616769

(State or other jurisdiction of incorporation or organization)

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

4000 MacArthur Boulevard, East Tower Newport Beach, CA 92660-3095 (949) 579-3000

(Address, including zip code, and telephone number, including area code, of registrant sprincipal executive offices)

Brandi R. Steege

Vice President, Legal, and Secretary Mindspeed Technologies, Inc. 4000 MacArthur Boulevard, East Tower Newport Beach, California 92660-3095 (949) 579-3000

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies to:

Robert M. Mattson, Jr.
Brandon C. Parris
Morrison & Foerster LLP
425 Market Street
San Francisco, California 94105
(415) 268-7000

APPROXIMATE DATE OF COMMENCEMENT OF PROPOSED SALE TO THE PUBLIC: As soon as practicable after the effective date of this registration statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box. o

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box. o

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. b No. 333-160322

If this Form is a post-effective amendment filed pursuant to Rule 462(c) 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. o

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check

the following box. o

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box. o

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

Large accelerated filer o

Accelerated filer o

Non-accelerated filer o

Smaller reporting company b

(Do not check if a smaller reporting company)

CALCULATION OF REGISTRATION FEE

Title of each class of securities to be registered

Common stock, par value \$.01 per share (1)

Aggregate maximum offering price \$3,052,500

Amount of registration fee (2) \$217.65

(1) Pursuant to

Rule 416 under

the Securities

Act of 1933,

this registration

statement also

covers any

additional

securities that

may be offered

or issued in

connection with

any stock split,

stock dividend

or similar

transaction.

Each share of

common stock

registered

hereunder

includes an

associated

Series A junior

participating

preferred stock

purchase right

(a Series A

Right) and an

associated

Series B junior

preferred stock purchase right (a Series B Right). Until the occurrence of certain prescribed events, none of which has occurred, the Series A Rights and the Series B Rights are not exercisable, are evidenced by certificates representing the common stock, and may be transferred only with the common stock. No separate consideration is payable for the Series A Rights or the Series B Rights.

(2) Calculated pursuant to Rule 457(o) under the Securities Act of 1933.

This Registration Statement shall become effective upon filing with the Securities and Exchange Commission in accordance with Rule 462 (b) of the Securities Act of 1933, as amended.

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EXPLANATORY NOTE AND INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

This Registration Statement is being filed with the Securities and Exchange Commission (the Commission) pursuant to Rule 462(b) under the Securities Act of 1933, as amended, and General Instruction IV of Form S-3.

This Registration Statement relates to the shelf registration statement on Form S-3 (File Number 333-160322) (the Prior Registration Statement) declared effective on July 10, 2009 by the Commission and is being filed for the purpose of registering up to \$3,052,500 additional aggregate dollar amount of shares of the Registrant s Common Stock, par value \$0.01 per share. The Registrant hereby incorporates by reference into this Registration Statement on Form S-3 in its entirety the Prior Registration Statement, including each of the documents filed by the Registrant with the Commission and incorporated or deemed to be incorporated by reference therein and all exhibits thereto. The required opinions and consents are listed on the Exhibit Index attached to and filed with this Registration Statement.

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SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Newport Beach, State of California, on the 3rd day of March, 2010.

MINDSPEED TECHNOLOGIES, INC.

By /s/ Bret W. Johnsen
Bret W. Johnsen
Senior Vice President, Chief Financial
Officer and Treasurer

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

Signature	Title	Date
/s/ Raouf Y. Halim	Chief Executive Officer and Director (Principal Executive Officer)	March 3, 2010
Raouf Y. Halim	(Timospai Zitecani e Ostroci)	
/s/ Bret W. Johnsen	Senior Vice President, Chief Financial Officer and Treasurer (Principal Financial and	March 3, 2010
Bret W. Johnsen	Accounting Officer)	
***	Chairman of the Board of Directors	March 3, 2010
Dwight W. Decker		
***	Director	March 3, 2010
Michael T. Hayashi		
***	Director	March 3, 2010
Ming Louie		
***	Director	March 3, 2010
Thomas A. Madden		
***	Director	March 3, 2010
Jerre L. Stead		
*** By: /s/ Bret W. Johnsen		

Bret W. Johnsen *Attorney-in-Fact*

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EXHIBIT INDEX

NO.	DESCRIPTION
5.1	Opinion of Morrison & Foerster LLP
23.1	Consent of Morrison & Foerster LLP (included in Exhibit 5.1)
23.2	Consent of Deloitte & Touche LLP
24.1	Power of Attorney*

* Previously filed

as Exhibit 24.1

to the

Registration

Statement on

Form S-3 (File

No.

333-160322),

which was

declared

effective by the

Securities and

Exchange

Commission on

July 10, 2009,

and

incorporated by

reference

herein.