

MERCURY SYSTEMS INC  
Form S-8  
July 25, 2016

As filed with the Securities and Exchange Commission on July 25, 2016  
Registration No. 333-

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

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FORM S-8  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933

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MERCURY SYSTEMS, INC.  
(Exact Name of Registrant as Specified in its Charter)

Massachusetts            04-2741391  
(State of Incorporation) (I.R.S. Employer Identification Number)

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201 Riverneck Road  
Chelmsford, Massachusetts 01824  
(978) 256-1300  
(Address of Principal Executive Offices)

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MERCURY SYSTEMS, INC.  
Amended and Restated 2005 Stock Incentive Plan  
(Full Title of the Plan)

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Gerald M. Haines II  
Executive Vice President, Chief Financial Officer, and Treasurer  
Mercury Systems, Inc.  
201 Riverneck Road  
Chelmsford, Massachusetts 01824  
(978) 256-1300  
(Name, Address and Telephone Number, Including Area Code, of Agent for Service)

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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.

Large accelerated filer  Accelerated filer  x  
 Non-accelerated filer  Smaller reporting company   
 (Do not check if a smaller reporting company)

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered (1)(2)	Proposed Maximum Offering Price Per Share (3)	Proposed Maximum Aggregate Offering Price (3)	Amount of Registration Fee (3)
Common Stock	114,669	\$26.05	\$2,987,127	\$301.00

(1) The 114,669 shares of the registrant’s common stock listed are being registered pursuant to Section 3(e) of the Company’s Amended and Restated 2005 Stock Incentive Plan (the “2005 Plan”). The shares registered hereby are restricted shares issued under and in accordance with the 2005 Plan as a result of the Company’s acquisition of all of the outstanding membership interests in Microsemi LLC - RF Integrated Solutions from Microsemi Corporation. In addition, pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the “Securities Act”), this registration statement also covers an indeterminate number of additional shares of common stock to be offered or (2)sold as a result of the anti-dilution provisions of the employee benefit plan described herein, including to prevent dilution resulting from any reorganization, recapitalization, reclassification, stock dividend, stock split, or other similar change.

(3) Calculated in accordance with Rule 457(c) and (h) under the Securities Act solely for the purpose of determining the amount of the registration fee, based on the average of the high and low prices on the NASDAQ Global Select Market on July 19, 2016.

## EXPLANATORY NOTE

This registration statement is being filed solely for the purpose of registering 114,669 additional shares of common stock, par value \$0.01 per share (“Common Stock”), of Mercury Systems, Inc. (the “Company”) to be offered to participants under the Company’s Amended and Restated 2005 Stock Incentive Plan (the “2005 Plan”), originally adopted in 2005. The number of shares of Common Stock reserved and available for issuance under the 2005 Plan includes 15,251,878 shares which were previously registered with the Securities and Exchange Commission (the “Commission”) on Form S-8 (File Nos. 333-129929 filed on November 23, 2005, 333-139019 filed on November 30, 2006, 333-149046 filed on February 4, 2008, 333-156364 filed on December 19, 2008, 333-163705 filed on December 14, 2009, 333-172775 filed on March 11, 2011, 333-177771 filed on November 4, 2011, 333-184756 filed on November 5, 2012, 333-192161 filed on November 7, 2013, 333-199917 filed on November 6, 2014, and 333-209383 filed on February 4, 2016) (collectively, the “Prior Registration Statement”), plus the number of shares underlying any grants previously made under the Company’s 1997 Stock Option Plan, as amended (the “1997 Plan”) that are forfeited, canceled, or are terminated (other than by exercise) from and after the effective date of the 2005 Plan.

On May 2, 2016, the Company purchased from Microsemi Corporation (“Microsemi”) all of the issued and outstanding membership interests (the “Interest”) in Microsemi LLC - RF Integrated Solutions (together with its subsidiaries, the “Carve-Out Business”) pursuant to the Stock Purchase Agreement, dated as of March 23, 2016 (the “SPA”). Pursuant to Section 9.02 of the SPA, the Company agreed to issue restricted shares in substitution for certain outstanding restricted stock units previously issued by Microsemi to employees of the Carve-Out Business. Pursuant to Section 3(e) of the 2005 Plan, awards may be granted under the 2005 Plan in substitution for stock and stock based awards held by employees, directors or other key persons of another corporation in connection with the merger or consolidation of the employing corporation with the Company or a subsidiary of the Company or the acquisition by the Company or a subsidiary of the Company of property or stock of the employing corporation. Pursuant to Section 3(e) of the 2005 Plan, any substitute Awards granted under the Plan shall not count against the share limitation set under the Plan.

As described above, the 114,669 shares registered hereby have been included in the shares which may be granted under the 2005 Plan as a result of Section 3(e) of the 2005 Plan. The shares registered hereby are restricted shares issued under and in accordance with the 2005 Plan as a result of the Company’s acquisition of the Carve-Out Business.

Pursuant to General Instruction E of Form S-8, the contents of the Prior Registration Statement are incorporated herein by reference, except as otherwise noted below.

PART II  
INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

ITEM 3. INCORPORATION OF DOCUMENTS BY REFERENCE.

The following documents are incorporated herein by reference:

(a) The Company's annual report on Form 10-K for the fiscal year ended June 30, 2015, as filed with the Commission on August 13, 2015;

(b) The Company's quarterly reports on Form 10-Q for the fiscal quarters ended September 30, 2015, as filed with the Commission on November 5, 2015; ended December 31, 2015, as filed with the Commission on February 4, 2016; and March 31, 2016, as filed with the Commission on May 5, 2016;

(c) The Company's current reports on Form 8-K filed with the Commission on December 11, 2015; March 23, 2016; April 4, 2016; April 8, 2016; April 13, 2016; and May 2, 2016.

(d) The description of the Company's Common Stock contained in the Company's registration statement on Form 8-A dated January 7, 1998, as filed with the Commission pursuant to Section 12 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), including any amendment thereto or report filed for the purpose of updating such description.

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

ITEM 5. INTERESTS OF NAMED EXPERTS AND COUNSEL.

The validity of the Common Stock offered under this registration statement will be passed upon for the Company by Morgan, Lewis & Bockius LLP, Boston, Massachusetts. Morgan, Lewis & Bockius LLP does not have a substantial interest, direct or indirect, in the Company.

ITEM 8. EXHIBITS.

Exhibit Description

- 4.1 Articles of Organization (incorporated herein by reference to Exhibit 3.1.1 of the Company's annual report on Form 10-K for the fiscal year ended June 30, 2009)
  - 4.2 Articles of Amendment (incorporated herein by reference to Exhibit 3.1.2 of the Company's annual report on Form 10-K for the fiscal year ended June 30, 2010)
  - 4.3 Articles of Amendment (incorporated herein by reference to Exhibit 1 of the Company's registration statement on Form 8-A, as filed with the Commission on December 15, 2005)
  - 4.4 Articles of Amendment (incorporated herein by reference to Exhibit 3.1 of the Company's current report on Form 8-K filed on November 13, 2012)
  - 4.5 Articles of Amendment (incorporated herein by reference to Exhibit 3.1 of the Company's current report on Form 8-K filed on June 30, 2015)
  - 4.6 By-laws, amended and restated effective May 4, 2011 (incorporated herein by reference to Exhibit 3.2 of the Company's quarterly report on Form 10-Q for the quarter ended March 31, 2011 filed with the Commission on May 5, 2011)
  - 4.7 Mercury Systems, Inc. Amended and Restated 2005 Stock Incentive Plan (incorporated herein by reference to Appendix A of the Company's Definitive Proxy Statement filed with the Commission on October 29, 2015)
  - 5.1\* Opinion of Morgan, Lewis & Bockius LLP
  - 23.1\* Consent of KPMG LLP
  - 23.2\* Consent of PricewaterhouseCoopers LLP
  - 23.2 Consent of Morgan, Lewis & Bockius LLP (contained in the opinion filed as Exhibit 5.1 to this registration statement)
  - 24.1\* Power of Attorney (included in signature page to this registration statement)
  - \* Filed herewith
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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-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the town of Chelmsford, the Commonwealth of Massachusetts on this 25th day of July, 2016.

MERCURY SYSTEMS, INC.

By: /s/ Gerald M. Haines II  
Gerald M. Haines II  
Executive Vice President, Chief Financial Officer,  
and Treasurer

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS that each person whose signature appears below constitutes and appoints Mark Aslett and Gerald M. Haines II as his true and lawful attorneys-in-fact and agents, each acting alone, with full powers of substitution and resubstitution, for him or in his name, place and stead, in any and all capacities to sign any and all amendments or post-effective amendments to this registration statement (or any registration statement for the same offering that is to be effective upon filing pursuant to Rule 462(b) under the Securities Act of 1933), and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, each acting alone, full power and authority to do and perform each and every act and thing requisite or necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, each acting alone, or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof. Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

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Signature	Title	Date
/s/ Mark Aslett Mark Aslett	President, Chief Executive Officer, and Director (Principal Executive Officer)	July 25, 2016
/s/ Gerald M. Haines II Gerald M. Haines II	Executive Vice President, Chief Financial Officer, and Treasurer (Principal Financial Officer)	July 25, 2016
/s/ Charles A. Speicher Charles A. Speicher	Vice President, Controller, Chief Accounting Officer, and Assistant Treasurer (Principal Accounting Officer)	July 25, 2016
/s/ Vincent Vitto Vincent Vitto	Chairman of the Board of Directors	July 25, 2016
/s/ James K. Bass James K. Bass	Director	July 25, 2016
/s/ Michael A. Daniels Michael A. Daniels	Director	July 25, 2016
/s/ George K. Muellner George K. Muellner	Director	July 25, 2016
/s/ Mark S. Newman Mark S. Newman	Director	July 25, 2016
/s/ William K. O'Brien William K. O'Brien	Director	July 25, 2016

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EXHIBIT INDEX

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