

MERCURY COMPUTER SYSTEMS INC  
Form 8-K  
April 23, 2004

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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

WASHINGTON, D.C. 20549

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**FORM 8-K**

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**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the**  
**Securities Exchange Act of 1934**

**Date of report (Date of earliest event reported): April 23, 2004**

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**MERCURY COMPUTER SYSTEMS, INC.**

(Exact Name of Registrant as Specified in Charter)

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**Massachusetts**  
(State or Other Jurisdiction  
of Incorporation)

**000-23599**  
(Commission File Number)

**04-2741391**  
(IRS Employer

Identification No.)

**199 Riverneck Road, Chelmsford, Massachusetts**  
(Address of Principal Executive Offices)

**01824**  
(Zip Code)

**Registrant's telephone number, including area code (978) 256-1300**

N/A

**(Former Name or Former Address, if Changed Since Last Report)**

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**ITEM 5. OTHER EVENTS**

On April 23, 2004, Mercury Computer Systems, Inc. (the Company ) announced that the initial purchasers in its recently announced private offering, pursuant to Rule 144A, of \$100 million principal amount of 2.00% convertible senior notes due 2024, have exercised their over-allotment option to purchase an additional \$25 million aggregate principal amount of such notes. The sale of the notes is expected to close on April 29, 2004. The Company s press release is attached hereto and incorporated herein by reference.

**ITEM 7. EXHIBITS**

(c) Exhibits. The following exhibit is filed with this Current Report on Form 8-K.

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press release, dated April 23, 2004, issued by Mercury Computer Systems, Inc.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

MERCURY COMPUTER SYSTEMS, INC.

Dated: April 23, 2004

By:           /s/ JOSEPH M. HARTNETT          

**Name: Joseph M. Hartnett**  
**Title: Vice President, Controller and Chief Accounting Officer**

**EXHIBIT INDEX**

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press Release, dated April 23, 2004, of Mercury Computer Systems, Inc.