

MERCURY COMPUTER SYSTEMS INC  
Form 8-K  
April 20, 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 20, 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**

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

**04-2741391**  
**(IRS Employer**

**of Incorporation)**

**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 20, 2004, Mercury Computer Systems, Inc. (the Company ) announced that it had commenced a private offering of up to \$100 million aggregate principal amount of convertible senior notes, subject to market and other conditions. The Company expects to grant the initial purchasers an option to purchase up to an additional \$25 million aggregate principal amount of such notes. The notes will be offered only to qualified institutional buyers, as defined in Rule 144A under the Securities Act of 1933, as amended (the Securities Act ). The Company's press release issued pursuant to Rule 135c under the Securities Act 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 20, 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 20, 2004

By:           /s/ JOSEPH M. HARTNETT          

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

**EXHIBIT INDEX**

<b>Exhibit No.</b>	<b>Description</b>
99.1	Press Release, dated April 20, 2004, of Mercury Computer Systems, Inc.