

MERCURY COMPUTER SYSTEMS INC
 Form 4
 June 17, 2008

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
SKALABRIN MARK F

2. Issuer Name and Ticker or Trading Symbol
MERCURY COMPUTER SYSTEMS INC [MRCY]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
199 RIVERNECK ROAD
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
06/16/2008

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Sr VP ACS

CHELMSFORD, MA 01824
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	06/16/2008		M		1,600	A	\$ 7.625
Common Stock	06/16/2008		S		1,600	D	\$ 9.111
Common Stock	06/16/2008		S		2,000	D	\$ 8.75
Common Stock	06/16/2008		S		2,500	D	\$ 8.77
Common Stock	06/16/2008		S		401	D	\$ 8.78

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Common Stock	06/16/2008	S	1,596	D	\$ 8.7801	88,156	D
Common Stock	06/16/2008	S	203	D	\$ 8.79	87,953	D
Common Stock	06/16/2008	S	2,100	D	\$ 8.81	85,853	D
Common Stock	06/16/2008	S	200	D	\$ 8.82	85,653	D
Common Stock	06/16/2008	S	2,000	D	\$ 8.84	83,653	D
Common Stock	06/16/2008	S	2,798	D	\$ 8.86	80,855	D
Common Stock	06/16/2008	S	200	D	\$ 8.87	80,655	D
Common Stock	06/16/2008	S	2	D	\$ 8.88	80,653	D
Common Stock	06/16/2008	S	1,900	D	\$ 8.89	78,753	D
Common Stock	06/16/2008	S	100	D	\$ 8.8901	78,653	D
Common Stock	06/16/2008	S	1,900	D	\$ 8.96	76,753	D
Common Stock	06/16/2008	S	3,500	D	\$ 8.98	73,253	D
Common Stock	06/16/2008	S	500	D	\$ 8.9801	72,753	D
Common Stock	06/16/2008	S	100	D	\$ 8.99	72,653	D
Common Stock	06/16/2008	S	2,000	D	\$ 9	70,653	D
Common Stock	06/16/2008	S	3,000	D	\$ 9.02	67,653	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Title and Amount of Underlying Securities (Instr. 3 and 4)
Incentive Stock Option (Right to buy)	\$ 7.625	06/16/2008		M	1,600	09/28/2003 09/28/2008	Common	1,600

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SKALABRIN MARK F 199 RIVERNECK ROAD CHELMSFORD, MA 01824			Sr VP ACS	

Signatures

Robert E. Hult,
Attorney-in-fact
06/17/2008

__Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) Field N/A to this transaction but was completed to allow for electronic filing only.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.