FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL								
OMB Number:	3235-028							
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

					or Sec	ction 30(n) of the I	nvesimei	il Con	прапу Аст	OI TS	940					
1. Name and Address of Reporting Person* ASLETT MARK				2. Issuer Name and Ticker or Trading Symbol MERCURY COMPUTER SYSTEMS INC [MRCY]						heck all a Dir		10%	Person(s) to Issuer 10% Owner Other (specify			
(Last) (First) (Middle) 201 RIVERNECK ROAD				3. Date of Earliest Transaction (Month/Day/Year) 11/23/2011						1		ow) `	below)			
(Street) CHELM (City)	SFORD M)1824 Zip)		4. If Ar	nendment, Date o	f Origina	l Filed	(Month/Da	ay/Ye	ear)		ne) <mark>X</mark> Fo Fo	rm filed by On	o Filing (Check e Reporting Pe re than One Re	rson
		Tabl	e I - No	n-Deriv	ative S	ecurities Acc	quired,	Dis	posed o	f, o	r Bene	eficia	ally Ow	ned		
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da			Execution Date,		3. Transaction Code (Instr. 3, 8) 4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5)				d Secu Ben Own	nount of irities eficially ed Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Ownership				
							Code	v	Amount		(A) or (D)	Price	Tran	orted saction(s) r. 3 and 4)		(Instr. 4)
Common	Stock			11/23/	/2011		S		13,047	(1)	D	\$ <mark>1</mark>	3	273,777	D	
		Та				urities Acqu ls, warrants,							y Owne	d		
Derivative Conversion Date Execution Date, T Security or Exercise (Month/Day/Year) if any C		4. Transacti Code (Ins 8)			nount of curities derlying rivative curity (Ins	str. 3	8. Price o Derivative Security (Instr. 5)		Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Beneficial Ownership (Instr. 4)						

Date Exercisable Expiration

Date

Explanation of Responses:

1. The disposition of shares was to cover the required tax withholding triggered by the vesting of restricted stock.

<u>Charles A. Speicher, Attorney-in-fact</u>

Amount or Number

of Shares

Title

11/28/2011

** Signature of Reporting Person

Date

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

- * 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).

Code

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

(A) (D)