FORM 4

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

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
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hours per response:	0.5							

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name ar Xiao D (Last) 79 GREA	MO [ MP	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [ MPWR ]  3. Date of Earliest Transaction (Month/Day/Year) 06/16/2016										all app Direct Office below	plicable) ctor er (give title		Person(s) to Issuer  10% Owner Other (specify below)  ia Operations						
(Street) SAN JOS (City)	E CA	A 9	5119 Zip)		4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									Indiv ne) X	Form	dual or Joint/Group Filing (Check Applicable 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. Transa Date (Month/Date)					y/Year)	Execu	Deemed ution Date, y nth/Day/Year)					ities Acquired ( d Of (D) (Instr. :			3, 4		5. Amount of Securities Beneficially Owned		wnership m: Direct or rect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
						Code	v	Amount		A) or D)	Price	,	Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		(msu. 4)				
Common Stock 06/16/20					016	016			S <sup>(1)</sup>		70		D	\$68	3.43		459		I	by Spouse	
Common											284,642			D							
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																				
1. Title of Derivative Security (Instr. 3)	ive Conversion Date Execution Date, y or Exercise (Month/Day/Year) if any			Transaction Code (Instr. 8)		rative rities ired rosed ) . 3, 4 5)	6. Date E Expiration (Month/D	n Da	Securities Underlying Derivative Security (Ins 3 and 4)  Amo or Num of		ount	t		9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		0. Ownership Form: Direct (D) or Indirect I) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)				

## Explanation of Responses:

1. The reported sales were to cover taxes upon the vesting of restricted stock units, as required by the Company's equity incentive plans.

By: Saria Tseng For: Deming <u>06/17/2016</u>

\*\* 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).

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.