## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL
OMB Number: 3235-0287
Estimated average burden
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 and Address of Reporting Person <sup>*</sup> Sciammas Maurice				MC	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]							Check	tionship of Reporting all applicable) Director Officer (give title		g Person(s) to Issuer 10% Owner Other (specify	
(Last) (First) (Middle) 79 GREAT OAKS BLVD					3. Date of Earliest Transaction (Month/Day/Year) 09/18/2017							X	belov	w)	below and Marketi	()
(Street) SAN JOSE CA 95119 (City) (State) (Zip)				- 4. lf .	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Indiv Line) X	idual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
		Tabl	e I - Non-Deri	vative	Secı	urities A	cquire	ed, Di	sposed o	f, or B	enefic	ially	Owne	ed		
1. Title of Security (Instr. 3) Date (Month/				Year) Execution		emed on Date, /Day/Year)	3. Transaction Code (Instr. 8)			s Acquired (A) or f (D) (Instr. 3, 4 an			5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
						Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(IIISU: 4)	
Common Stock 09/18/201				17			<b>S</b> <sup>(1)</sup>		1,693	D	\$104	.09(2)	<sup>(2)</sup> 367,695		D	
Common Stock												:		2,000	Ι	by Family Trust
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)	2. 3. Transaction Conversion Date (Month/Day/Year) 3A. Deemed Execution Date, price of Derivative Security 9 10 10 10 10 10 10 10 10 10 10 10 10 10				5. Numbe of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, and 5)	Expiration I e (Month/Day s			7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4)		Secu (Inst	vative urity	derivative ve Securities / Beneficially	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A) (D)	Date Exer	cisable	Expiration Date	Title	Amoun or Number of Shares					

Explanation of Responses:

1. In accordance with the reporting person's 10b5-1 trading plan.

2. The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$103.75 to \$104.42. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

By: Saria Tseng For: Maurice	09/19/2017
<u>Sciammas</u>	09/19/2017

\*\* Signature of Reporting Person Date

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

 $^{\ast}$  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.