FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
OMB Number:	3235-0287						
Estimated average burden							
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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).

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

Sciamr (Last) 79 GREA (Street)	79 GREAT OAKS BLVD Street) SAN JOSE CA 95119					2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC MPWR [MPWR] 3. Date of Earliest Transaction (Month/Day/Year) 12/18/2017 4. If Amendment, Date of Original Filed (Month/Day/Year)								(Check	Sr. V.P.of Sales and Marketing Individual or Joint/Group Filing (Check Applicable ne)			
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Y				2A. Deemed Execution Date,			э,	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			r 5. Amou		nount of rities ficially	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		Repo Trans		(111501.4)	(111501. 4)	
Common Stock 12/18/201					7				S ⁽¹⁾		1,693	D	\$114	.66(2)	3	60,395	D	
Common Stock															:	2,000	I	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)	rivative curity or Exercise Price of Derivative Security Date (Month/Day/Year) if any (Month/Day/Year)				saction le (Instr. Securitie Acquired (A) or Disposec of (D) (Instr. 3, and 5)		ative ities ired sed	Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) Amoun or Numbe of Title Shares		of Deri Seco (Ins	8. Price of derivative Security (Instr. 5) Benefici Owned Followin Reporter Transact (Instr. 4)		Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	

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 \$113.87 to \$115.19. 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 12/18/2017 **Sciammas**

** 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.