

(Print or Type Responses)

1. Name and Address of Reporting Person*			2. Issuer Name and Ticker or Trading Symbol			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
Xiao, Deming			MONOLITHIC POWER SYSTEMS (MPWR)			____ Director ____ 10% Owner				
(Last) (First) (Middle)			3. Date of Earliest Transaction Required to be Reported (Month/Day/Year) 11/08/2019			4. If Amendment, Date Original Filed(Month/Day/Year)			____ X Officer (give title below) ____ Other (specify below)	
5808 Lake Washington Blvd NE									Pres. of MPS Asia Operations	
(Street)									6. Individual or Joint/Group Filing (Check Applicable Line)	
Kirkland, WA 98033									____ X Form filed by One Reporting Person	
									____ Form filed by More than One Reporting Person	

(City) (State) (Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									
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1. Title of Security (Instr. 3)	2. Trans- action Date (Month/ Day/ Year)	2A. Deemed Execution Date, if any (Month/ Day/ Year)	3. Trans- action 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. Owner- ship Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Owner- ship (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	11/08/19		S		2,374	D	\$163.3616	327,621	D	
Common Stock			(1)					1,101	I	by Spouse

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. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:
See continuation page(s) for footnotes

Xiao, Deming

**5808 Lake Washington Blvd NE
Kirkland, WA 98033**

**MONOLITHIC POWER SYSTEMS (MPWR)
11/08/2019**

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

