FORM 4

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

Washington, D.C. 20549

OMB APPROVAL

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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*				2. Issuer Name and						Relationship of Rep eck all applicable)	orting Person(s	) to Issuer	
Moyer James C			MONOLITHIC MPWR ]	POW	<u>/EK</u>	SYSIE	VC	•	X Director	10	)% Owner		
(Last) 6409 GUADAL	(First)	(Midd	le)	3. Date of Earliest Tr 07/02/2008	ansaction	n (Mor	nth/Day/Year		3	X Officer (give t below) Chief IC		ther (specify elow) neer	
(0)	4. If Amendment, Da	ite of Orig	inal F	Filed (Month/E	6. Individual or Joint/Group Filing (Check Applicable								
(Street) SAN JOSE CA 95120			20						ine) X Form filed by One Reporting Person				
							Form filed by More than One Reporting Person						
(City)	(State)	(Zip)									1 010011		
	Т	able I	- Non-Deriva	tive Securities A	cquire	d, D	isposed o	f, or B	enefic	ial	ly Owned		
1. Title of Security	. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 and 5)			r	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)	(1134: 4)	(mail: 4)
Common Stock			07/02/2008	:	S <sup>(1)</sup>		100	D	\$23.	1	83,610	I	by Moyer FamilyTrust
Common Stock			07/02/2008		S <sup>(1)</sup>		100	D	\$23.1	12	83,510	I	by Moyer FamilyTrust
Common Stock			07/02/2008		S <sup>(1)</sup>		100	D	\$23.1	13	83,410	I	by Moyer FamilyTrust
Common Stock			07/02/2008	:	S <sup>(1)</sup>		150	D	\$23.1	8	83,260	I	by Moyer FamilyTrust
Common Stock			07/02/2008		S <sup>(1)</sup>		200	D	\$23.2	23	83,060	I	by Moyer FamilyTrust
Common Stock			07/02/2008		S <sup>(1)</sup>		200	D	\$23.2	25	82,860	I	by Moyer FamilyTrust
Common Stock			07/02/2008		S <sup>(1)</sup>		100	D	\$23.2	26	82,760	I	by Moyer FamilyTrust
Common Stock			07/02/2008	:	S <sup>(1)</sup>		100	D	\$23.2	28	82,660	I	by Moyer FamilyTrust
Common Stock			07/02/2008	:	S <sup>(1)</sup>		100	D	\$23.2	29	82,560	I	by Moyer FamilyTrust
Common Stock			07/02/2008	:	S <sup>(1)</sup>		100	D	\$23.	3	82,460	I	by Moyer FamilyTrust
Common Stock			07/02/2008	:	S <sup>(1)</sup>		200	D	\$23.3	31	82,260	I	by Moyer FamilyTrust
Common Stock			07/02/2008	:	S <sup>(1)</sup>		100	D	\$23.3	32	82,160	I	by Moyer FamilyTrust
Common Stock			07/02/2008	:	S <sup>(1)</sup>		100	D	\$23.3	33	82,060	I	by Moyer FamilyTrust
Common Stock			07/02/2008	:	S <sup>(1)</sup>		200	D	\$23.3	37	81,860	I	by Moyer FamilyTrust
Common Stock			07/02/2008		S <sup>(1)</sup>		400	D	\$23.	4	81,460	I	by Moyer FamilyTrust
Common Stock			07/02/2008		S <sup>(1)</sup>		200	D	\$23.4	11	81,260	I	by Moyer FamilyTrust
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		Tabl	e I - Non-Deriv	ative	Secu	ırities	S Ac	quire	d, Di	sposed o	f, or B	eneficia	Ily Own	ed			
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Ye	ear) E	2A. Deeme Execution if any (Month/Da		,   1	3. Transaction Code (Instr. 8)			s Acquired (A) or of (D) (Instr. 3, 4		5. Amour Securitie Beneficia Owned Followin	s ally	6. Owner Form: Di (D) or Indirect (Instr. 4)	irect In Be (I) Ov	7. Nature of Indirect Beneficial Ownership (Instr. 4)
							G	ode	v	Amount	(A) or (D)	Price	Reported Transact (Instr. 3 a	ion(s)	(111501.4)	("	isti. 4)
Common Stock		07/02/200	8				S <sup>(1)</sup>		500	D	\$23.42	80,7	760	I		Moyer milyTrust	
Common Stock		07/02/200	08			S <sup>(1)</sup>		200	D	\$23.43	80,560		I		Moyer milyTrust		
Common Stock		07/02/200	08			S <sup>(1)</sup>		200	D	\$23.44	80,360		I		Moyer milyTrust		
Common Stock		07/02/200	08			S <sup>(1)</sup>		100	D	\$23.45	80,2	260	I		Moyer milyTrust		
Common Stock			07/02/200	008				S <sup>(1)</sup>		100	D	\$23.46	80,160		I		Moyer milyTrust
Common Stock			07/02/200	07/02/2008				S <sup>(1)</sup>		300	D	\$23.47	79,860		I		Moyer milyTrust
Common Stock			07/02/200	008				S <sup>(1)</sup>		100 D \$23.49 7		79,7	79,760			Moyer milyTrust	
Common Stock			07/02/200	07/02/2008				S <sup>(1)</sup>		1,200	D	\$23.5	78,560		I		Moyer milyTrust
Common Stock			07/02/200	07/02/2008				S <sup>(1)</sup>		550	D	\$23.51	78,010		I		Moyer milyTrust
Common Stock		07/02/200	07/02/2008				S <sup>(1)</sup>		300	D	\$23.52	77,710		I		Moyer milyTrust	
Common Stock			07/02/200	07/02/2008				S <sup>(1)</sup>		300	D	\$23.53	77,410		I		Moyer milyTrust
Common Stock			07/02/200	07/02/2008				S <sup>(1)</sup>		300	D	\$23.54	77,110		I		Moyer milyTrust
Common Stock		07/02/200	07/02/2008				S <sup>(1)</sup>		300	D	\$23.55	76,810		I		Moyer milyTrust	
Common Stock			07/02/200	07/02/2008				S <sup>(1)</sup> 200		200	D	\$23.56	76,610		I		Moyer milyTrust
		Та	ble II - Derivati (e.g., ρι							osed of, convertib			y Owned	l			
Derivative   Conversion   Date   Execurity   or Exercise   (Month/Day/Year)   if a			4. Transaction Code (Instr. 8) Securiti Acquire (A) or Dispos of (D) (Instr. 3 and 5)		ative rities ired sed	Expira	ation	rcisable and Date //Year)	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		0. wnership orm: irect (D) r Indirect ) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exerc	isable	Expiration Date	Title	Amount or Number of Shares					

## Explanation of Responses:

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

By: Saria Tseng For: James Moyer

07/02/2008

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\*\* Signature of Reporting Person Date

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

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.

 $<sup>^{\</sup>star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

<sup>\*\*</sup> Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).