

Moyer James C  
Form 4  
May 09, 2008

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

OMB APPROVAL

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Expires: January 31, 2005  
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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 OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Moyer James C

2. Issuer Name and Ticker or Trading Symbol  
MONOLITHIC POWER SYSTEMS INC [MPWR]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Chief IC Design Engineer

(Last) (First) (Middle)  
6409 GUADALUPE MINES ROAD  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
05/09/2008

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

SAN JOSE, CA 95120  
(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction 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. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |         |   |                      |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|---------|---|----------------------|
|                                 |                                      |                                                    | Code                           | V                                                                 | Amount                                                                                        | (A) or (D)                                               | Price                                                 |         |   |                      |
| Common Stock                    | 05/09/2008                           |                                                    | S(1)                           |                                                                   | 200                                                                                           | D                                                        | \$ 22.83                                              | 157,710 | I | by Moyer FamilyTrust |
| Common Stock                    | 05/09/2008                           |                                                    | S(1)                           |                                                                   | 100                                                                                           | D                                                        | \$ 22.84                                              | 157,610 | I | by Moyer FamilyTrust |
| Common Stock                    | 05/09/2008                           |                                                    | S(1)                           |                                                                   | 200                                                                                           | D                                                        | \$ 22.85                                              | 157,410 | I | by Moyer FamilyTrust |
| Common Stock                    | 05/09/2008                           |                                                    | S(1)                           |                                                                   | 100                                                                                           | D                                                        | \$ 22.86                                              | 157,310 | I | by Moyer FamilyTrust |
| Common Stock                    | 05/09/2008                           |                                                    | S(1)                           |                                                                   | 100                                                                                           | D                                                        | \$ 22.89                                              | 157,210 | I | by Moyer FamilyTrust |

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|              |            |             |     |   |          |         |   |                      |
|--------------|------------|-------------|-----|---|----------|---------|---|----------------------|
| Common Stock | 05/09/2008 | <u>S(1)</u> | 196 | D | \$ 22.9  | 157,014 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 104 | D | \$ 22.91 | 156,910 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 100 | D | \$ 22.92 | 156,810 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 100 | D | \$ 22.93 | 156,710 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 100 | D | \$ 22.94 | 156,610 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 100 | D | \$ 22.96 | 156,510 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 100 | D | \$ 22.97 | 156,410 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 300 | D | \$ 22.98 | 156,110 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 250 | D | \$ 22.99 | 155,860 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 100 | D | \$ 23    | 155,760 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 500 | D | \$ 23.02 | 155,260 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 93  | D | \$ 23.04 | 155,167 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 107 | D | \$ 23.05 | 155,060 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 100 | D | \$ 23.06 | 154,960 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 450 | D | \$ 23.07 | 154,510 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 300 | D | \$ 23.08 | 154,210 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 100 | D | \$ 23.09 | 154,110 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 100 | D | \$ 23.12 | 154,010 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 200 | D | \$ 23.14 | 153,810 | I | by Moyer FamilyTrust |
| Common Stock | 05/09/2008 | <u>S(1)</u> | 100 | D | \$ 23.17 | 153,710 | I | by Moyer FamilyTrust |
|              |            |             |     |   |          | 890,569 | D |                      |

Common  
Stock

Common  
Stock

518,504 I

By Jointly  
w/Spouse

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

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SEC 1474  
(9-02)

**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. 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 Owned Following Reporting Transaction (Instr. 6) |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|

## Reporting Owners

| Reporting Owner Name / Address                                   | Relationships |           |                          |       |
|------------------------------------------------------------------|---------------|-----------|--------------------------|-------|
|                                                                  | Director      | 10% Owner | Officer                  | Other |
| Moyer James C<br>6409 GUADALUPE MINES ROAD<br>SAN JOSE, CA 95120 | X             |           | Chief IC Design Engineer |       |

## Signatures

By: Adriana Chiocchi For: James Moyer  
Date: 05/09/2008

\_\_Signature of Reporting Person Date

## Explanation of Responses:

- \* 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).
- (1) In accordance with the reporting person's 10b5-1 trading plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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