KEITHLEY JOSEPH P

Check this box if

Form 5

February 06, 2013

OMB APPROVAL FORM 5 **OMB**

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

Reported Form 4

1(b).

Transactions Reported

| 1. Name and Address of Reporting Person ** KEITHLEY JOSEPH P | 2. Issuer Name and Ticker or Trading Symbol | 5. Relationship of Reporting Person(s) to Issuer | | | |
|--|---|---|--|--|--|
| (Last) (First) (Middle) | MATERION Corp [MTRN] 3. Statement for Issuer's Fiscal Year Ended | (Check all applicable) | | | |
| 6070 PARKLAND BLVD. | (Month/Day/Year) 12/31/2012 | X Director 10% Owner Officer (give title Other (specify below) | | | |
| (Street) | 4. If Amendment, Date Original Filed(Month/Day/Year) | 6. Individual or Joint/Group Reporting (check applicable line) | | | |

MAYFIELD HTS., OHÂ 44124

X Form Filed by One Reporting Person Form Filed by More than One Reporting Person

| (City) | (State) | (Zip) Tab | le I - Non-Dei | rivative So | ecuriti | es Acqui | red, Disposed of, | or Beneficial | ly 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. Securi (A) or D (Instr. 3, | ispose 4 and (A) or | d of (D) | 5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | 06/01/2012 | Â | A4 <u>(1)</u> | 62.74 | A | \$ 21.41 | 17,970.545 | I | See footnote (2) |
| Common Stock | 09/04/2012 | Â | A4 <u>(1)</u> | 63.87 | A | \$ 21.1 | 18,034.415 | I | See footnote (1) |
| Common Stock | 12/04/2012 | Â | A4 <u>(1)</u> | 65.28 | A | \$ 20.72 | 18,099.695 | I | See footnote (2) |
| | Â | Â | Â | Â | Â | Â | 9,016 | D | Â |

3235-0362

January 31,

2005

1.0

Number:

Expires:

response...

Estimated average

burden hours per

Common Stock

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

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 control number.

SEC 2270 (9-02)

> of D

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Titl | le and | 8. Price of | |
|-------------|-------------|---------------------|--------------------|-------------|-------------------|---------------|-------------|---------|----------|-------------|--|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transaction | Number | Expiration D | ate | Amou | int of | Derivative | |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Under | rlying | Security | |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Secur | ities | (Instr. 5) | |
| | Derivative | | | | Securities | | | (Instr. | 3 and 4) | | |
| | Security | | | | Acquired | | | | | | |
| | | | | | (A) or | | | | | | |
| | | | | | Disposed | | | | | | |
| | | | | | of (D) | | | | | | |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | Amount | | |
| | | | | | | | | | or | | |
| | | | | | | Date | Expiration | Title | Number | | |
| | | | | | | Exercisable | Date | TILL | of | | |
| | | | | | (A) (D) | | | | Shares | | |
| | | | | | (Λ) (D) | | | | Shares | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | | |
|---|---------------|-----------|---------|-------|--|--|--|--|
| | Director | 10% Owner | Officer | Other | | | | |
| KEITHLEY JOSEPH P 6070 PARKLAND BLVD. MAYFIELD HTSÂ OHÂ 44124 | ÂX | Â | Â | Â | | | | |

Signatures

Susan J.
MacDonald/atty-in-fact
02/06/2013

**Signature of Reporting Person Da

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).

Reflects dividend equivalents acquired under the dividend equivalent features of the Issuer's 1992 Deferred Compensation Plan for

- (1) Non-employee Directors ("1992 Plan"), the 1997 Stock Incentive Plan for Non-employee Directors ("1997 Plan") and the 2006 Non-employee Director Equity Plan ("2006 Plan").
- (2) Acquired and held by trust for the 1992 Plan, the 1997 Plan and the 2006 Plan.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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