

Roscher Fred
Form 4
February 02, 2011

FORM 4

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

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

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person *
Roscher Fred

2. Issuer Name **and** Ticker or Trading
Symbol
APPLIED SIGNAL
TECHNOLOGY INC [APSG]

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

(Last) (First) (Middle)
460 W. CALIFORNIA AVE
(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
01/31/2011

____ Director ____ 10% Owner
____X____ Officer (give title below) ____ Other (specify below)
EVP-Broadband Com System

SUNNYVALE, CA 95037

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

6. Individual or Joint/Group Filing(Check
Applicable Line)
____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

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	01/31/2011		U		30,079	D \$ 38 0	D
Common Stock	01/31/2011		U		4,421	D \$ 38 0	I Spouse
Common Stock	01/31/2011		D		17,500 (1)	D \$ 38 0	D

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

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information contained in this form are not
required to respond unless the form
displays a currently valid OMB control**

SEC 1474
(9-02)

number.

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. Amount or Number of Shares
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title		Amount or Number of Shares
Stock Option (Right to Buy)	\$ 13.39	01/31/2011		D	12,000	<u>(2)</u>	02/28/2013	Common Stock		12,000
Stock Option (Right to Buy)	\$ 32.19	01/31/2011		D	12,346	<u>(3)</u>	01/10/2013	Common Stock		12,346
Stock Option (Right to Buy)	\$ 32.19	01/31/2011		D	7,654	<u>(4)</u>	01/10/2013	Common Stock		7,654

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Roscher Fred 460 W. CALIFORNIA AVE SUNNYVALE, CA 95037	EVP-Broadband Com System

Signatures

/s/ Fred Roscher
02/02/2011
**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) Represented shares of common stock subject to vesting (each, a "Restricted Stock Award"). Pursuant to the Agreement and Plan of Merger, dated December 18, 2010, between the issuer, Raytheon Company and RN Acquisition Company, each Restricted Stock Award

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has been converted into the right to receive a cash amount equal to \$38,000 following the vesting of such Restricted Stock Award.

- (2) This option was cancelled as a result of the completion of the tender offer that expired on January 28, 2011 in exchange for a cash payment of \$295,320, representing the difference between the exercise price of the option and the offer price (\$38.00 per share) pursuant to the Agreement and Plan of Merger, dated December 18, 2010, between the issuer, Raytheon Company and RN Acquisition Company.

- (3) This option was cancelled as a result of the completion of the tender offer that expired on January 28, 2011 in exchange for a cash payment of \$71,730.26, representing the difference between the exercise price of the option and the offer price (\$38.00 per share) pursuant to the Agreement and Plan of Merger, dated December 18, 2010, between the issuer, Raytheon Company and RN Acquisition Company.

- (4) This option was cancelled as a result of the completion of the tender offer that expired on January 28, 2011 in exchange for a cash payment of \$44,469.74, representing the difference between the exercise price of the option and the offer price (\$38.00 per share) pursuant to the Agreement and Plan of Merger, dated December 18, 2010, between the issuer, Raytheon Company and RN Acquisition Company.

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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