

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* JUDGE JAMES J <hr/> (Last) (First) (Middle) C/O ANALOGIC CORPORATION 8 CENTENNIAL DRIVE <hr/> (Street) PEABODY MA 01960 <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol ANALOGIC CORP [ALOG]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 06/22/2018	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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	06/22/2018		M		13,186	A	(2)	13,186	D	
Common Stock	06/22/2018		D		13,186	D	\$84 ⁽¹⁾	0	D	

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 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)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Deferred Stock Units	(2)	06/22/2018		M			13,186	(2)	(2)	Common Stock	13,186	(2)	0	D	
Non-Qualified Stock Option (right to buy)	\$75.38	06/22/2018		D			5,000	(3)	(3)	Common Stock	5,000	(3)	0	D	
Non-Qualified Stock Option (right to buy)	\$41	06/22/2018		D			5,000	(3)	(3)	Common Stock	5,000	(3)	0	D	

Explanation of Responses:

- On June 22, 2018, pursuant to the Agreement and Plan of Merger, by and among the issuer, AC Merger Sub, Inc. ("Merger Sub") and ANLG Holding Company, Inc. ("Parent"), dated April 10, 2018 (the "Merger Agreement"), Merger Sub merged with and into the issuer (the "Merger"), with the issuer surviving the Merger as a wholly owned subsidiary of Parent. Effective as of immediately prior to the effective time of the Merger, the reporting person's service as a director of the issuer terminated, and, in connection therewith, his Deferred Stock Units were converted into an equivalent number of shares of Common Stock. Pursuant to the Merger Agreement, at the effective time of the Merger, the shares of Common Stock automatically converted into the right to receive \$84.00 per share in cash.
- The reporting person elected, as permitted by the issuer's Non-Employee Director Stock Plan, to receive an equivalent number of share of the Company's common stock on account of the reporting person's deferred stock units upon termination of his or her service as a member of the Board of Directors of the issuer.
- Effective as of immediately prior to the effective time of the Merger, each then-outstanding and unexercised stock option of the issuer with an exercise price less than \$84.00 was automatically canceled and converted into the right to receive from the surviving corporation an amount of cash equal to the product of (i) the total number of shares of Common Stock then underlying such stock option multiplied by (ii) the excess of the \$84.00 over the exercise price per share of such stock option, on the terms set forth in the Merger Agreement.

Remarks:

/s/ John J. Fry, by Power of
Attorney for James J. Judge

06/26/2018

** Signature of Reporting Person Date

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

* 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).

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.