

FORM 4

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

OMB APPROVAL
OMB Number: 3235-0287
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 OF SECURITIES

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 Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
Welch David F	INFINERA Corp [INFN]	<input checked="" type="checkbox"/> Director _____ 10% Owner <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) Chief Strategy & Tech. Officer
(Last) (First) (Middle)	3. Date of Earliest Transaction (MM/DD/YYYY)	
C/O INFINERA CORPORATION, 140 CASPIAN COURT	2/12/2018	
(Street)	4. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line)
SUNNYVALE, CA 94089		<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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	2/12/2018		S (1)		60000	D	\$9.0703 (2)	684351	I	See Footnote (3)
Common Stock	2/14/2018		S (1)		20000	D	\$9.3424 (4)	664351	I	See Footnote (3)
Common Stock								292293	I	See Footnote (5)
Common Stock								528150	I	See Footnote (6)
Common Stock								140000	I	See Footnote (7)
Common Stock								2500	I	See Footnote (8)

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

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (Right to Buy)	\$7.61						(9)	2/28/2018	Common Stock	2817.0		2817	D	
Employee Stock Option (Right to Buy)	\$7.61						(9)	2/28/2018	Common Stock	81683.0		81683	D	
Employee Stock Option (Right to Buy)	\$7.11						(9)	2/10/2019	Common Stock	100000.0		100000	D	
Employee Stock Option (Right to Buy)	\$7.45						(9)	8/10/2019	Common Stock	150000.0		150000	D	
Employee Stock Option (Right to Buy)	\$8.58						(9)	2/10/2021	Common Stock	20250.0		20250	D	
Employee Stock Option (Right to Buy)	\$8.58						(9)	2/10/2021	Common Stock	60750.0		60750	D	
Employee Stock Option (Right to Buy)	\$8.58						(9)	2/10/2021	Common Stock	39465.0		39465	D	

Table II - Derivative Securities Beneficially Owned (e.g. , puts, calls, warrants, options, convertible securities)															
1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (Right to Buy)	\$8.58							(9)	2/10/2021	Common Stock	41535.0		41535	D	
Restricted Stock Units	(10)							(11)	(11)	Common Stock	9590.0		9590	D	
Restricted Stock Units	(10)							(12)	(12)	Common Stock	14385.0		14385	D	
Restricted Stock Units	(10)							(13)	(13)	Common Stock	65137.0		65137	D	
Restricted Stock Units	(10)							(14)	(14)	Common Stock	114831.0		114831	D	

Explanation of Responses:

- (1) This sale was made in connection with a Rule 10b5-1 Trading Plan for The Welch Family Trust u/a dtd 04/03/1996 ("The Welch Family Trust").
- (2) This price represents the weighted average sale price of the shares sold by The Welch Family Trust in multiple transactions at prices ranging from \$9.00 to \$9.37 per share. Upon request by the staff of the Securities and Exchange Commission, Infinera Corporation (the "Company") or a security holder of the Company, Dr. Welch will provide full information regarding the number of shares sold at each separate price.
- (3) These shares are held directly by The Welch Family Trust, for which Dr. Welch is a trustee.
- (4) This price represents the weighted average sale price of the shares sold by The Welch Family Trust in multiple transactions at prices ranging from \$9.18 to \$9.40 per share. Upon request by the staff of the Securities and Exchange Commission, the Company or a security holder of the Company, Dr. Welch will provide full information regarding the number of shares sold at each separate price.
- (5) These shares are held directly by LRFA, LLC, for which Dr. Welch is the sole managing member.
- (6) These shares are held directly by The Welch Family Heritage Trust I u/I dated 9/24/01, for which Dr. Welch is a trustee.
- (7) These shares are held directly by The Welch Group, L.P., for which Dr. Welch is a general partner.
- (8) These shares are held directly by Dr. Welch as a trustee for his children. Dr. Welch disclaims beneficial ownership of the shares held in trust for his children, and this report shall not be deemed an admission that Dr. Welch is the beneficial owner of the shares held in trust for his children for purposes of Section 16 or for any other purpose.
- (9) This option is fully-vested.
- (10) Each restricted stock unit ("RSU") represents a contingent right to receive one share of common stock of the Company.
- (11) These RSUs vest in three annual installments beginning on May 5, 2016.
- (12) These RSUs vest in full on May 5, 2018.
- (13) These RSUs vest in four annual installments beginning on May 5, 2017.
- (14) These RSUs vest in four annual installments beginning on May 5, 2018.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Welch David F C/O INFINERA CORPORATION 140 CASPIAN COURT SUNNYVALE, CA 94089	X		Chief Strategy & Tech. Officer	

Signatures

/s/ Michael Post, by Power of Attorney

2/14/2018

** 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 control number.