CALIX, INC Form SC 13G/A February 13, 2019

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)\*

	Calix, Inc.	
	(Name of Issuer)	
	common stock, par value	e \$0.025
(Title	of Class of Securities	)
	13100M509	
	(CUSIP Number) December 31, 20	018
(Date of Event V	Which Requires Filing o	f this Statement)
Check the appropriate box to des	signate the rule pursuan	nt to which this
[X] Rule 13d-1(b)		
[_] Rule 13d-1(c)		
[_] Rule 13d-1(d)		
*The remainder of this cover paginitial filing on this form wit and for any subsequent amendmen the disclosures provided in a p	th respect to the subject to the sub	ct class of securities,
The information required in the deemed to be "filed" for the pur Act of 1934 ("Act") or otherwise of the Act but shall be subject see the Notes).	rpose of Section 18 of t e subject to the liabil:	the Securities Exchange ities of that section
CUSIP NO. 13100M509	13G	Page 2 of 8 Pages
(1) NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS	S.	
Renaissance Technologies I	LLC 26-0385758	
(2) CHECK THE APPROPRIATE BOX I	IF A MEMBER OF A GROUP	(SEE INSTRUCTIONS):

	(b) [_]			
(3)	SEC USE ONLY			
(4)	CITIZENSHIP OR PLACE OF C	PRGANIZATION		
	Delaware			
			(5)	SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:			2,762,700	
		(6)	SHARED VOTING POWER	
			0	
		(7)	SOLE DISPOSITIVE POWER	
			2,762,700	
			(8)	SHARED DISPOSITIVE POWER
			143,218	
(9)	AGGREGATE AMOUNT BENEFIC	CIALLY OWNED BY EAC	H RE	PORTING PERSON
		2,905,918		
(10)	CHECK BOX IF THE AGGREGA	TE AMOUNT IN ROW (	 9) E	XCLUDES CERTAIN SHARES
	(SEE INSTRUCTIONS)			[_]
(11)	PERCENT OF CLASS REPRES	ENTED BY AMOUNT IN	ROW	(9)
		5.47 %		
(12)	TYPE OF REPORTING PERSON	(SEE INSTRUCTIONS	)	
		Page 2 of 8 pag	es	
		Page 3 of 8 pag		
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	NAMES OF REPORTING PERSO	DNS.		
	RENAISSANCE TECHNOLOGIES	HOLDINGS CORPORAT	ION	13-3127734
(2)	CHECK THE APPROPRIATE BO (a) [_] (b) [_]			
(3)	SEC USE ONLY			

4) CITIZENSHIP OR PLACE OF ORGANIZATION			
Delaware			
	(5) SOLE VOTING POWER		
NUMBER OF SHARES BENEFICIALLY OWNED	2,762,700		
BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER		
	0		
	(7) SOLE DISPOSITIVE POWER		
	2,762,700		
	(8) SHARED DISPOSITIVE POWER		
	143,218		
9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY	EACH REPORTING PERSON		
2,905,918			
10) CHECK BOX IF THE AGGREGATE AMOUNT IN RC (SEE INSTRUCTIONS) [_]	W (9) EXCLUDES CERTAIN SHARES		
11) PERCENT OF CLASS REPRESENTED BY AMOUNT	' IN ROW (9)		
5.47 %			
12) TYPE OF REPORTING PERSON (SEE INSTRUCTI HC	CONS)		
Page 3 of 8	pages		
CUSIP NO. 13100M509 13G			
tem 1.			
(a) Name of Issuer			
Calix, Inc.			
(b) Address of Issuer's Principal Execut	ive Offices.		
2777 Orchard Parkway, San Jose, CA	95134		
tem 2.			
(a) Name of Person Filing:			

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.

(d) Title of Class of Securities.

common stock, par value \$0.025

(e) CUSIP Number.

13100M509

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- Item 3. If this statement is filed pursuant to Rule 13d-1 (b) or 13-d-2 (b) or (c), check whether the person filing is a:
- (a) [\_] Broker or dealer registered under section 15 of the Act.
- (b) [\_] Bank as defined in section 3(a)(6) of the Act.
- (c) [\_] Insurance Company as defined in section 3(a)(19) of the Act.
- (d) [\_] Investment Company registered under section 8 of the Investment Company Act.
- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b)(1)(ii)(E).
- (f) [\_] Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1 (b) (1) (ii) (F).
- (g) [\_] Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G).
- (h)  $[\_]$  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) [\_] A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940.
- (j) [\_] Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).
- Item 4. Ownership.
  - (a) Amount beneficially owned.

RTC: 2,905,918 shares

RTHC: 2,905,918 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 5.47 % RTHC: 5.47 %

- (c) Number of shares as to which the person has:
  - (i) sole power to vote or to direct the vote:

RTC: 2,762,700 RTHC: 2,762,700

(ii) Shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of:

RTC: 2,762,700 RTHC: 2,762,700

(iv) Shared power to dispose or to direct the disposition of:

RTC: 143,218 RTHC: 143,218

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\_\_\_\_\_\_

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [\_]

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable

Item 8. Identification and Classification of Members of the Group.

Not applicable

Item 9. Notice of Dissolution of a Group.

Not applicable

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Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

\_\_\_\_\_\_

#### SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 12, 2019

Renaissance Technologies LLC

By: /s/ Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: /s/ Mark Silber Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See  $18\ U.S.C.\ 1001$ ).

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EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of common stock, par value \$0.025 of Calix, Inc.

Date: February 12, 2019

Renaissance Technologies LLC

By: /s/ Mark Silber
Executive Vice President

Renaissance Technologies Holdings Corporation

By: /s/ Mark Silber Vice President

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