SIGMA DESIGNS INC Form SC 13G/A February 14, 2017

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

SCHEDULE 13G

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

		Sigma Designs, Inc.	
	(Name	of Issuer)	
	Common	Stock, no par value	
	(Title of Clas	ss of Securities)	
		826565103	
	(CUSIP	Number) December 30, 2016	
(Date of Event Which Re	equires Filing of this	Statement)
Check the appropr Schedule is filed	_	the rule pursuant to wh	nich this
[X] Rule 13d	-1 (b)		
[_] Rule 13d	-1 (c)		
[_] Rule 13d	-1 (d)		
initial filing o and for any subs	n this form with respe	l be filled out for a re ect to the subject class aining information which over page.	s of securities,
deemed to be "fil Act of 1934 ("Act	ed" for the purpose of ") or otherwise subject	der of this cover page of Section 18 of the Section to the liabilities of other provisions of the	urities Exchange f that section
CUSIP NO. 826565	103	13G	Page 2 of 8 Pages
	PORTING PERSONS. NTIFICATION NOS. OF A	BOVE PERSONS (entities (only).
Renaissance	Technologies LLC	26-0385758	
(2) CHECK THE AP (a) [_]	PROPRIATE BOX IF A MEN	MBER OF A GROUP (SEE IN:	STRUCTIONS):

	(b) [_]			
(3)	SEC USE ONLY			
(4)	CITIZENSHIP OR PLACE OF ORG	ANIZATION		
	Delaware			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:			(5)	SOLE VOTING POWER
			1,773,100	
			(6)	SHARED VOTING POWER
				0
			(7)	SOLE DISPOSITIVE POWER
				1,773,100
			(8)	SHARED DISPOSITIVE POWER
				0
(9)	AGGREGATE AMOUNT BENEFICIA	LLY OWNED BY EAC	H REI	PORTING PERSON
	1	,773,100		
(10)		AMOUNT IN ROW (9) EX	KCLUDES CERTAIN SHARES
	(SEE INSTRUCTIONS)			[_]
(11)	PERCENT OF CLASS REPRESEN	TED BY AMOUNT IN	ROW	(9)
	4	.69 %		
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)	
		Page 2 of 8 page	es	
====		======================================		
	IP NO. 826565103	13G		Page 3 of 8 Page
(1)	NAMES OF REPORTING PERSONS			ENTITIES ONLY).
	RENAISSANCE TECHNOLOGIES H	OLDINGS CORPORAT	ION	13-3127734
(2)	CHECK THE APPROPRIATE BOX (a) [_] (b) [_]			
(3)	SEC USE ONLY			

Dolawaro	
Delaware 	
	(5) SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED	1,773,100
BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	1,773,100
	(8) SHARED DISPOSITIVE POWER
	0
(9) AGGREGATE AMOUNT BENEFICIALLY OWNER	D BY EACH REPORTING PERSON
1,773,100	
(10) CHECK BOX IF THE AGGREGATE AMOUNT : (SEE INSTRUCTIONS) [_]	IN ROW (9) EXCLUDES CERTAIN SHARES
(11) PERCENT OF CLASS REPRESENTED BY AN	MOUNT IN ROW (9)
4.69 %	
(12) TYPE OF REPORTING PERSON (SEE INSTE	RUCTIONS)
Page 3 (of 8 pages
CUSIP NO. 826565103	13G Page 4 of 8 Page:
Item 1.	
(a) Name of Issuer	
Sigma Designs, Inc.	
(b) Address of Issuer's Principal Ex	xecutive Offices.
47467 Fremont Boulevard, Fremon	nt, California 94538
Item 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, no par value

(e) CUSIP Number.

826565103

Page 4 of 8 pages

- 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: 1,773,100 shares

RTHC: 1,773,100 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 4.69 % RTHC: 4.69 %

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

RTC: 1,773,100 RTHC: 1,773,100

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

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

RTC: 1,773,100 RTHC: 1,773,100

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

RTC: 0 RTHC: 0

Page 5 of 8 pages

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: [X]

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

Page 6 of 8 pages

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 14, 2017

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber
Vice President

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

Page 7 of 8 Pages

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, no par value of Sigma Designs, Inc.

Date: February 14, 2017

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

Page 8 of 8 Pages