

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	OMB Nos. 1210-0110 1210-0089 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div> This Form is Open to Public Inspection
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Part I	Annual Report Identification Information		
For calendar plan year 2017 or fiscal plan year beginning <u>01/01/2017</u> and ending <u>12/31/2017</u>			
A	This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)	
	☒ a single-employer plan ☐ a DFE (specify) ____		
B	This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)	
C	If the plan is a collectively-bargained plan, check here. ▶ ☐		
D	Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program	
	☐ special extension (enter description)		

Part II	Basic Plan Information —enter all requested information		
1a	Name of plan <u>ANALOGIC 401(K) PLAN</u>	1b	Three-digit plan number (PN) ▶ <u>001</u>
		1c	Effective date of plan <u>08/01/1976</u>
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>ANALOGIC CORPORATION</u> <u>8 CENTENNIAL DRIVE</u> <u>PEABODY, MA 01960</u>	2b	Employer Identification Number (EIN) <u>04-2454372</u>
		2c	Plan Sponsor's telephone number <u>978-977-3000</u>
		2d	Business code (see instructions) <u>335900</u>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/10/2018	SANDRA SILVESTRO
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/12/2018	MATTHEW SLACK
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2017)
v. 170203

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 1007
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	<div style="background-color: #cccccc; height: 20px; width: 100%;"></div> 6a(1) 1007 6a(2) 907 6b 65 6c 454 6d 1426 6e 2 6f 1428 6g 1398 6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2J 2F 2G 2K 3D 3H 2S 2T b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	

9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- (1)** ☒ **R** (Retirement Plan Information)
- (2)** ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3)** ☐ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

- (1)** ☒ **H** (Financial Information)
- (2)** ☐ **I** (Financial Information – Small Plan)
- (3)** ☒ 1 **A** (Insurance Information)
- (4)** ☒ **C** (Service Provider Information)
- (5)** ☒ **D** (DFE/Participating Plan Information)
- (6)** ☐ **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2017 Form M-1 annual report. If the plan was not required to file the 2017 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2017 This Form is Open to Public Inspection
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For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017	
A Name of plan ANALOGIC 401(K) PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 ANALOGIC CORPORATION	D Employer Identification Number (EIN) 04-2454372

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
04-1590850	65935	SF 51579	1428	01/01/2017	12/31/2017

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid 0	(b) Total amount of fees paid 0
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3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).
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(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
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(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end	4	
5 Current value of plan's interest under this contract in separate accounts at year end	5	0

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶

b Premiums paid to carrier	6b	
c Premiums due but unpaid at the end of the year	6c	
d If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount. Specify nature of costs ▶	6d	

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☐ guaranteed investment (4) ☒ other ▶ **GROUP ANNUITY CONTRACT**

b Balance at the end of the previous year	7b	54932341
c Additions: (1) Contributions deposited during the year	7c(1)	10035084
(2) Dividends and credits	7c(2)	0
(3) Interest credited during the year	7c(3)	1630052
(4) Transferred from separate account	7c(4)	119222
(5) Other (specify below)..... ▶ LN INT, LN PRIN, LOAN DEFAULT, ROLL	7c(5)	1370106
(6) Total additions	7c(6)	13154464
d Total of balance and additions (add lines 7b and 7c(6))	7d	68086805
e Deductions:		
(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	5150123
(2) Administration charge made by carrier	7e(2)	3171
(3) Transferred to separate account	7e(3)	9329028
(4) Other (specify below)..... ▶ LN DISTRIB	7e(4)	167667
(5) Total deductions	7e(5)	14649989
f Balance at the end of the current year (subtract line 7e(5) from line 7d).....	7f	53436816

Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
 b ☐ Dental
 c ☐ Vision
 d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
 f ☐ Long-term disability
 g ☐ Supplemental unemployment
 h ☐ Prescription drug
i ☐ Stop loss (large deductible)
 j ☐ HMO contract
 k ☐ PPO contract
 l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount.	10b	

Specify nature of costs.

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2017
		This Form is Open to Public Inspection.

For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017		
A Name of plan ANALOGIC 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 ANALOGIC CORPORATION	D Employer Identification Number (EIN) 04-2454372	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a** Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. ☐ Yes ☒ No
- b** If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

SAGEVIEW ADVISORY GROUP, LLC

33-0818667

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27 64	RECORDKEEPER	70000	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

BLUM SHAPIRO & CO., P.C.

06-1009205

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
38	RECORDKEEPER	16000	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

MASSACHUSETTS MUTUAL LIFE INS. CO.

04-1590850

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52 60 63 64 68 72	CONTRACT ADMINISTRATOR	12085	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

MASSMUTUAL LIFE INSURANCE COMPANY

04-1590850

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
38	RECORDKEEPER	11676	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

AMERICAN FUNDS

94-6050854

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

AMERICAN FUNDS

90-0342299

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

DIAMOND HILL

31-6547095

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

FRANKLINTEMPLETON

90-0342299

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

FRANKLINTEMPLETON

13-2573775

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

JP MORGAN

90-0342299

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

OPPENHEIMER

22-3849391

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

OPPENHEIMER

90-0342299

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

VANGUARD

20-0147814

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

VANGUARD

20-4684087

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

VANGUARD

20-4683839

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

VANGUARD

20-4683964

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

VANGUARD

20-4683985

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

VANGUARD

20-4684039

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

VANGUARD

23-1945930

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

VANGUARD

23-1999755

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

VANGUARD

23-2311358

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	INVESTMENT PROVIDER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	72 52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
PREM INFLAT-PROT AND INCM BARINGS 04-2483041	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	72 52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
PREM U.S. GOVT MONEY MRKT BARINGS 04-3212059	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	72 52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
SELECT WELLINGTONOFI SMALL CAP GR 04-3464205	BASIS POINTS * PLAN ASSETS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	72 52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
SELECT MID CAP GR TRPFRONTIER 04-3512596	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
FRANKLIN GROWTH FUND 13-2573775	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
REAL ESTATE OFI 22-3849391	BASIS POINTS * PLAN ASSETS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
DIAMOND HILL SMALL CAP FUND 31-6547095	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
DEVELOPING MARKETS OFI 90-0342299	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	63 60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
GLOBAL BOND TEMPLETON 90-0342299	BASIS POINTS * PLAN ASSETS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
MID CAP VALUE JP MORGAN 90-0342299	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	72 52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
SELECT METWEST TOTAL RETURN BOND 90-0342299	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	63 60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
WASHINGTON MUTUAL INVS AMERICAN 90-0342299	BASIS POINTS * PLAN ASSETS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
AMERICAN FUNDS	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
AMERICAN FUNDS BALANCED FUND	BASIS POINTS * PLAN ASSETS	
94-6050854		
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
AMERICAN FUNDS	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
WASHINGTON MUTUAL INVS AMERICAN	BASIS POINTS * PLAN ASSETS	
90-0342299		
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
DIAMOND HILL	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
DIAMOND HILL SMALL CAP FUND	BASIS POINTS * PLAN ASSETS	
31-6547095		

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FRANKLINTEMPLETON	52	0
(d) Enter name and EIN (address) of source of indirect compensation GLOBAL BOND TEMPLETON 90-0342299		
(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. BASIS POINTS * PLAN ASSETS		
(a) Enter service provider name as it appears on line 2 FRANKLINTEMPLETON		
(b) Service Codes (see instructions) 52		
(c) Enter amount of indirect compensation 0		
(d) Enter name and EIN (address) of source of indirect compensation FRANKLIN GROWTH FUND 13-2573775		
(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. BASIS POINTS * PLAN ASSETS		
(a) Enter service provider name as it appears on line 2 JP MORGAN		
(b) Service Codes (see instructions) 52		
(c) Enter amount of indirect compensation 0		
(d) Enter name and EIN (address) of source of indirect compensation MID CAP VALUE JP MORGAN 90-0342299		
(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. BASIS POINTS * PLAN ASSETS		

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
OPPENHEIMER	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
REAL ESTATE OFI 22-3849391	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
OPPENHEIMER	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
DEVELOPING MARKETS OFI 90-0342299	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
VANGUARD TARGET RETIREMENT INCM FD 20-0147814	BASIS POINTS * PLAN ASSETS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
VANGUARD TARGET RETIREMENT 2050 FD 20-4684087	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
CLOSED VANGUARD TARGET RETIREM 20-4683839	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
VANGUARD TARGET RET. 2010 FUND 20-4683839	BASIS POINTS * PLAN ASSETS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
VANGUARD TARGET RETIREMENT 2020 FD 20-4683964		BASIS POINTS * PLAN ASSETS
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
VANGUARD TARGET RETIREMENT 2030 FD 20-4683985		BASIS POINTS * PLAN ASSETS
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
VANGUARD TARGET RETIREMENT 2040 FD 20-4684039		BASIS POINTS * PLAN ASSETS

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
VANGUARD TOTAL BOND MARKET INDEX 23-1945930	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
VANGUARD TOTAL BOND MRKT INDEX FUND 23-1945930	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
VANGUARD TOTAL INTL STOCK 23-1945930	BASIS POINTS * PLAN ASSETS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
VANGUARD TOTAL INTL STOCK INDEX FD 23-1945930	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
VANGUARD TOTAL STK MARKET INDEX 23-1999755	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
VANGUARD TOTAL STOCK MKT INDEX FD 23-1999755	BASIS POINTS * PLAN ASSETS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
VANGUARD TARGET RETIREMENT 2015 FD		BASIS POINTS * PLAN ASSETS
23-2311358		
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
VANGUARD TARGET RETIREMENT 2025 FD		BASIS POINTS * PLAN ASSETS
23-2311358		
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
VANGUARD TARGET RETIREMENT 2035 FD		BASIS POINTS * PLAN ASSETS
23-2311358		

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation		
VANGUARD TARGET RETIREMENT 2045 FD	BASIS POINTS * PLAN ASSETS	
23-2311358		
(a) Enter service provider name as it appears on line 2		
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation		
VANGUARD TARGET RETIREMENT 2055 FD	BASIS POINTS * PLAN ASSETS	
23-2311358		
(a) Enter service provider name as it appears on line 2		
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation		
VANGUARD TARGET RETIREMENT 2060 FD	BASIS POINTS * PLAN ASSETS	
23-2311358		

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
VANGUARD	52	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
VANGUARD TARGET RETIREMENT 2065 FD 23-2311358	BASIS POINTS * PLAN ASSETS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2017 This Form is Open to Public Inspection.
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For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

A Name of plan <u>ANALOGIC 401(K) PLAN</u>	B Three-digit plan number (PN) ►	<u>001</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>ANALOGIC CORPORATION</u>	D Employer Identification Number (EIN) <u>04-2454372</u>	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-C DEVELOPING MARKETS</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE</u>				
c EIN-PN <u>90-0342299-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>5545190</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-CB REAL ESTATE</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE</u>				
c EIN-PN <u>04-1590850-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>2620292</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-KT WASHINGTON MUTUAL INVS</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE</u>				
c EIN-PN <u>90-0342299-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>8148110</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-LG PREM U.S. GOVT MONEY MRKT</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE</u>				
c EIN-PN <u>04-1590850-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>79</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-PZ SELECT METWEST TOTAL RETURN</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE</u>				
c EIN-PN <u>90-0342299-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>3987847</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-SC SELECT WELLINGTON/OFI SMALL</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE</u>				
c EIN-PN <u>04-1590850-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>4185874</u>		
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>SIA-UE GLOBAL BOND</u>				
b Name of sponsor of entity listed in (a): <u>MASSACHUSETTS MUTUAL LIFE INSURANCE</u>				
c EIN-PN <u>90-0342299-000</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>672142</u>		

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-UJ MID CAP VALUE**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 90-0342299-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 7019610
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-WF SELECT MID CAP GR**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 11133604
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a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-Y6 PREM INFLAT-PROT AND INCM**b** Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-000	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1202736
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2017 This Form is Open to Public Inspection
For calendar plan year 2017 or fiscal plan year beginning <u>01/01/2017</u> and ending <u>12/31/2017</u>		
A Name of plan <u>ANALOGIC 401(K) PLAN</u>	B Three-digit plan number (PN) ►	<u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>ANALOGIC CORPORATION</u>	D Employer Identification Number (EIN) <u>04-2454372</u>	

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a	176963	
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)		
(2) Participant contributions	1b(2)		
(3) Other.....	1b(3)	3762	
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities.....	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other.....	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)	2066450	1898684
(9) Value of interest in common/collective trusts.....	1c(9)	0	0
(10) Value of interest in pooled separate accounts.....	1c(10)	39275391	44515484
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	79528168	93901966
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	54932341	53436816
(15) Other	1c(15)	0	0

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	0	0
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	175983075	193752950

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	175983075	193752950
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Part II Income and Expense Statement

- 2** Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

a Contributions:				
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	3038375		
(B) Participants	2a(1)(B)	6996709		
(C) Others (including rollovers)	2a(1)(C)	368880		
(2) Noncash contributions	2a(2)		10403964	
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)			
b Earnings on investments:				
(1) Interest:				
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)			
(B) U.S. Government securities	2b(1)(B)			
(C) Corporate debt instruments.....	2b(1)(C)			
(D) Loans (other than to participants)	2b(1)(D)			
(E) Participant loans.....	2b(1)(E)	93573		
(F) Other	2b(1)(F)	1630052		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		1723625	
(2) Dividends: (A) Preferred stock		2b(2)(A)	3255108	
(B) Common stock	2b(2)(B)	0		
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)	3255108		
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)			
(3) Rents.....	2b(3)			
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds		2b(4)(A)	89381301	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	82101735		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		7279566	
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate.....		2b(5)(A)		21331
(B) Other	2b(5)(B)	21331		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)			

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		-23251
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		7160481
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		3607383
c Other income	2c		0
d Total income. Add all income amounts in column (b) and enter total.....	2d		33428207

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	15544845	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		15544845
f Corrective distributions (see instructions)	2f		3726
g Certain deemed distributions of participant loans (see instructions).....	2g		0
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees	2i(1)	85176	
(2) Contract administrator fees	2i(2)	11985	
(3) Investment advisory and management fees	2i(3)	12500	
(4) Other	2i(4)	100	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		109761
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		15658332

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		17769875
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☐ Unqualified (2) ☐ Qualified (3) ☒ Disclaimer (4) ☐ Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)?

☒ Yes ☐ No

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: BLUMSHAPIRO & COMPANY PC

(2) EIN: 06-1009205

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.).....

b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)

	Yes	No	Amount
4a		X	
4b		X	

	Yes	No	Amount
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		X	
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)		X	
4d		X	
e Was this plan covered by a fidelity bond?	X		10000000
4e	X		10000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)		X	
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
4k		X	
l Has the plan failed to provide any benefit when due under the plan?		X	
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		X	
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☐ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____. (See instructions.)

<div>SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</div>	<div>Retirement Plan Information</div> <div>This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).</div> <div>▶ File as an attachment to Form 5500.</div>	<div>OMB No. 1210-0110</div> <div>2017</div> <div>This Form is Open to Public Inspection.</div>
For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017		
A Name of plan ANALOGIC 401(K) PLAN		B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 ANALOGIC CORPORATION		D Employer Identification Number (EIN) 04-2454372
Part I	Distributions	
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions		1 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 04-1590850		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year		3
Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)	
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month Day Year If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)		6a
b Enter the amount contributed by the employer to the plan for this plan year		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III	Amendments	
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box. ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.	
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock? ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market? ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2017 v. 170203		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

- 14** Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year	14a	
b The plan year immediately preceding the current plan year	14b	
c The second preceding plan year	14c	

- 15** Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year	15a	
b The corresponding number for the second preceding plan year	15b	

- 16** Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year	16a	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	16b	

- 17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

- 18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

- 19** If the total number of participants is 1,000 or more, complete lines (a) through (c)

- a** Enter the percentage of plan assets held as:
 Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%
- b** Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more
- c** What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____



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ANALOGIC 401(K) PLAN

FINANCIAL STATEMENTS

DECEMBER 31, 2017 AND 2016

ANALOGIC 401(K) PLAN

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Independent Auditors' Report

Plan Administrator and Administrative Committee
Analogic 401(k) Plan
Peabody, Massachusetts

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Analogic 401(k) Plan (the Plan), which comprise the statements of net assets available for benefits as of December 31, 2017 and 2016, and the related statement of changes in net assets available for benefits for the year ended December 31, 2017, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

The Plan's management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audits in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the Basis for Disclaimer of Opinion paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 3, which was certified by Reliance Trust, the trustee of the Plan, and Massachusetts Mutual Life Insurance Company, the custodian of the Plan, except for comparing the information with the related information included in the financial statements. We have been informed by the plan administrator that the trustee and custodian hold the Plan's investment assets and execute investment transactions. The plan administrator has obtained certifications from the trustee and custodian as of December 31, 2017 and 2016, and for the year ended December 31, 2017 that the information provided to the plan administrator by the trustee and custodian is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Supplemental Information

The supplemental schedule of assets (held at end of year) as of December 31, 2017 is required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 and is presented for the purpose of additional analysis and is not a required part of the financial statements. Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we do not express an opinion on this supplemental schedule.

Report on Form and Content in Compliance with Department of Labor Rules and Regulations

The form and content of the information included in the financial statements and supplemental schedule, other than that derived from the information certified by the trustee and custodian, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

Blum, Shapiro & Company, P.C.

Newton, Massachusetts
October 5, 2018

ANALOGIC 401(K) PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS DECEMBER 31, 2017 AND 2016

	<u>2017</u>	<u>2016</u>
ASSETS		
Investments		
Investments, at fair value:		
Pooled separate accounts	\$ 44,515,484	\$ 39,275,391
Mutual funds	<u>93,901,966</u>	<u>79,708,893</u>
	138,417,450	118,984,284
Investments, at contract value:		
Investment contracts	<u>53,436,816</u>	<u>54,932,341</u>
Total investments	191,854,266	173,916,625
Receivables		
Notes receivable from participants	<u>1,898,684</u>	<u>2,066,450</u>
Total assets	193,752,950	175,983,075
LIABILITIES		
Accounts Payable and Accrued Expenses	<u>-</u>	<u>-</u>
Net Assets Available for Benefits	<u>\$ 193,752,950</u>	<u>\$ 175,983,075</u>

The accompanying notes are an integral part of the financial statements

ANALOGIC 401(K) PLAN

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS FOR THE YEAR ENDED DECEMBER 31, 2017

Additions to Net Assets Attributed to

Investment income:

Interest and dividend income	\$ 4,885,160
Net appreciation in fair value of investments	18,045,510
Net investment income	<u>22,930,670</u>

Interest income on notes receivable from participants	<u>93,573</u>
---	---------------

Contributions:

Employee - deferrals	6,996,709
Employee - rollovers	368,880
Employer - matching	3,038,375
Total contributions	<u>10,403,964</u>

Total additions	<u>33,428,207</u>
-----------------	-------------------

Deductions from Net Assets Attributed to

Benefits paid to participants	15,548,571
Administrative expenses	109,761
Total deductions	<u>15,658,332</u>

Net Increase in Net Assets	17,769,875
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Net Assets Available for Benefits - Beginning of Year	<u>175,983,075</u>
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Net Assets Available for Benefits - End of Year	<u>\$ 193,752,950</u>
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The accompanying notes are an integral part of the financial statements

ANALOGIC 401(K) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 1 - DESCRIPTION OF PLAN

The following description of Analogic 401(k) Plan (the Plan) provides only general information. Participants should refer to the plan document for a more complete description of the Plan's provisions.

General

The Plan is a defined contribution plan covering all eligible employees of Analogic Corporation and its subsidiaries, Sound Technology, Inc., and Oncura Partners Diagnostics, LLC (collectively, the Company), who have completed 30 days of service. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (ERISA).

Contributions

Participants may elect to contribute up to 80% of their annual pre- or post-tax compensation, as limited by the Internal Revenue Code (the Code) and defined in the Plan. Upon attainment of Plan eligibility, employees are automatically enrolled to participate in the Plan with 3% of annual pre-tax compensation automatically withheld. When automatically enrolled, this deferral percentage is automatically increased 1% on a quarterly basis to a maximum of 10%. Participants who have attained the age of 50 before the end of the plan year are eligible to make catch-up contributions. Participants may also contribute amounts representing distributions from other qualified defined benefit or contribution plans (rollovers).

Participants are eligible to receive a Company matching contribution upon the completion of six months of service. The Company makes a matching contribution of 100% on the first 4% of compensation that a participant contributes to the Plan. The Company may also elect to make profit-sharing contributions at the discretion of the Company's board of directors. For the year ended December 31, 2017, the Company did not make or elect to make any profit-sharing contributions.

Participant Accounts

Participants direct the investment of their accounts into various investment options offered by the Plan. Each participant's account is credited with the participant's contributions plus Company matching contributions and allocations of the Company's discretionary profit-sharing contribution and plan earnings, and is charged with administrative expenses, as required. Allocations are based on participant earnings or account balances, as defined in the Plan. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting

Participants are immediately vested in their voluntary and Company contributions, plus actual earnings thereon.

Notes Receivable from Participants

Participants may borrow from their account a minimum of \$1,000 up to a maximum of \$50,000 or 50% of their vested account balance, whichever is less. Loan terms range from 1 to 5 years or up to 15 years for the purchase of a primary residence. The loans are secured by the balance in the participant's account and bear interest at prime rate plus 1%, as determined by the plan administrator, at the time of issuance. The notes currently bear interest at 4.25% to 7.25%. Principal and interest are repaid ratably through payroll deductions. Participants may only have one loan outstanding at a time.

ANALOGIC 401(K) PLAN

NOTES TO FINANCIAL STATEMENTS

Payment of Benefits

Upon termination of service, a participant or beneficiary may elect to receive the value of the vested interest in their account as a lump-sum distribution. Withdrawals may be made under certain other circumstances in accordance with the plan document.

Forfeited Accounts

Forfeited accounts represent excess Company contributions. Forfeitures are retained by the Plan and are used to reduce Company contributions. At December 31, 2017 and 2016, forfeitures of \$2,769 and \$24,583, respectively, were available for future use. Forfeitures of \$24,953 were used by the Plan for the year ended December 31, 2017.

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The accompanying financial statements have been prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America (US GAAP).

Investment contracts held by a defined contribution plan are required to be reported at fair value, except for fully benefit-responsive investment contracts. Contract value is the relevant measure for the portion of net assets available for benefits of a defined contribution plan attributable to fully benefit-responsive contracts because contract value is the amount participants would receive if they were to initiate amount permitted transactions under the terms of the Plan.

Use of Estimates

The preparation of financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Payment of Benefits

Benefits are recorded when paid.

Investment Valuation and Income Recognition

The Plan's investments are stated at fair value as determined by the Plan's trustee and custodian. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 5 for a discussion of fair value measurements.

The change in fair value of investments and realized gains (losses) are reflected in the accompanying statement of changes in net assets available for benefits as net appreciation (depreciation) in fair value of investments. Purchases and sales of securities are recorded on a trade date basis. Dividends are recorded on the ex-dividend date. Interest income is recorded on the accrual basis.

ANALOGIC 401(K) PLAN

NOTES TO FINANCIAL STATEMENTS

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Delinquent participant loans are reclassified as distributions in accordance with the provisions of the plan document. No allowance for credit losses has been recorded as of December 31, 2017 and 2016.

Mutual Fund Fees

Investments in mutual funds are subject to sales charges in the form of front-end loads, back-end loads or 12b-1 fees. 12b-1 fees, which are ongoing fees allowable under Section 12b-1 of the Investment Company Act of 1940, are annual fees deducted to pay for marketing and distribution costs of the funds. These fees are deducted prior to the allocation of the Plan's investment earning activity and thus are not separately identifiable as a plan expense.

Risk and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

Subsequent Events

Subsequent events were evaluated through October 5, 2018, which is the date the financial statements were available to be issued.

NOTE 3 - INFORMATION PREPARED AND CERTIFIED BY THE PLAN'S TRUSTEE AND CUSTODIAN

The plan administrator has elected the method of compliance permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, Reliance Trust (Reliance), the trustee of the Plan, and Massachusetts Mutual Life Insurance Company (Mass Mutual), the custodian of the Plan, have certified that the following data included in the financial statements and supplemental schedule are complete and accurate:

- Investments and notes receivable from participants, as shown in the statements of net assets available for benefits as of December 31, 2017 and 2016.
- Investment income and interest income on notes receivable from participants, as shown in the statement of changes in net assets available for benefits for the year ended December 31, 2017.
- The schedule of assets (held at end of year) as of December 31, 2017.

The Plan's independent certified public accountants did not perform auditing procedures with respect to this information, except for comparing such information to the related information included in the financial statements and supplemental schedule.

ANALOGIC 401(K) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 4 - INVESTMENT CONTRACT

The Plan has a fully benefit-responsive investment contract (the Contract) with Mass Mutual. Contract value represents contributions made under the Contract, plus investment income credited to the Contract based on contract rates currently earned by Mass Mutual, less funds used to make benefit payments to participants and to pay administrative expenses charged by Mass Mutual. Participants may ordinarily direct the withdrawal of all or a portion of their investment at contract value. At December 31, 2017 and 2016, reserves against contract value for credit risk of the contract issuer or otherwise were \$-0-. The average yield and crediting interest rates were approximately 3.00% and 3.04% for the years ended December 31, 2017 and 2016, respectively. The interest rates are reset semi-annually.

Certain events, such as the premature termination of the Contract by the Plan or the termination of the Plan, would limit the Plan's ability to transact at contract value with Mass Mutual. Under these circumstances, distributions may be subject to a liquidation on market value adjustment pursuant to a formula specified in the Contract. The plan administrator believes the occurrence of such events that would also limit the Plan's ability to transact at contract value with plan participants is not probable.

NOTE 5 - FAIR VALUE MEASUREMENTS

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants, as of the measurement date. Authoritative guidance establishes a hierarchy of valuation techniques based upon whether the inputs to those valuation techniques reflect assumptions other market participants would use based upon market data obtained from independent sources (also referred to as observable inputs). The following summarizes the fair value hierarchy:

Level 1

Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2

Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3

Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The determination of where the assets and liabilities fall within this fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

ANALOGIC 401(K) PLAN

NOTES TO FINANCIAL STATEMENTS

The following is a description of the valuation methodologies used for assets measured at fair value:

Pooled Separate Accounts

Valued at the net asset value (NAV) of units held by the pooled separate account. The NAV, as provided by the insurance company, is used as a practical expedient to estimate fair value. The NAV for the pooled separate account is based on the fair value of the underlying investments held by the fund less its liabilities.

Mutual Funds

Valued at quoted price, in an active market, of shares held by the Plan at year end.

There have been no changes in the methodologies used at December 31, 2017 and 2016.

The valuation methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair value. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The following tables set forth, by level within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2017 and 2016:

2017					
	Level 1	Level 2	Level 3	Investments Measured at Net Asset Value (a)	Total
Pooled separate accounts	\$ -	\$ -	\$ -	\$ 44,515,484	\$ 44,515,484
Mutual funds	93,901,966	-	-	-	93,901,966
Investments at Fair Value	<u>\$ 93,901,966</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 44,515,484</u>	<u>\$ 138,417,450</u>
2016					
	Level 1	Level 2	Level 3	Investments Measured at Net Asset Value (a)	Total
Pooled separate accounts	\$ -	\$ -	\$ -	\$ 39,275,391	\$ 39,275,391
Mutual funds	79,708,893	-	-	-	79,708,893
Investments at Fair Value	<u>\$ 79,708,893</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 39,275,391</u>	<u>\$ 118,984,284</u>

- (a) Certain investments that are measured using the net asset value per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy. The fair value amounts presented in these tables are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the statements of net assets available for benefits.

ANALOGIC 401(K) PLAN

NOTES TO FINANCIAL STATEMENTS

In accordance with the fair value measurements and disclosures guidance, the following table presents the asset, unfunded commitment, redemption frequency and redemption restrictions for plan investments, the fair values of which are estimated using the NAV per share as of December 31, 2017 and 2016:

	<u>2017</u>	<u>2016</u>	<u>Unfunded Commitments</u>	<u>Redemption Terms</u>	<u>Redemption Restrictions</u>
Pooled separate accounts:					
Select Mid Cap Growth II (a)	\$ 11,133,604	\$ 8,754,628	None	Daily	None
American Washington Mutual Investors Fund (R4) (b)	8,148,110	6,852,804	None	Daily	None
Metropolitan West Total Return Bond M Fund (c)	3,987,847	3,768,281	None	Daily	None
Oppenheimer Developing Markets Y (d)	5,545,190	3,251,617	None	Daily	None
JP Morgan Mid Cap Value Select Fund (e)	7,019,610	7,972,951	None	Daily	None
Select Small Cap Growth Equity Fund (f)	4,185,874	3,429,349	None	Daily	None
Oppenheimer Real Estate Y (g)	2,620,292	3,276,736	None	Daily	None
Barings Premier Inflation-Protected and Income Fund (h)	1,202,736	1,417,997	None	Daily	None
Templeton Global Bond Fund A (i)	672,142	506,598	None	Daily	None
Premier Money Market (j)	79	44,430	None	Daily	None

- (a) This investment option seeks long-term growth of capital. The fund invests at least 80% of its net assets in a broadly diversified portfolio of common stocks of mid-cap companies.
- (b) This investment option seeks to produce income and to provide an opportunity for growth consistent with sound common stock investing. The fund invests primarily in common stocks of established companies that are listed on the New York Stock Exchange and have a strong record of earnings and dividends.
- (c) This investment option seeks maximum total return consistent with preservation of capital and prudent investment management. The fund normally invests at least 80% of total assets in a diversified portfolio of investment-grade fixed income securities.
- (d) This investment option seeks growth from capital appreciation. The fund mainly invests in common stock of issuers in emerging and developing markets throughout the world.
- (e) This investment option seeks growth from capital appreciation. The fund normally invests at least 80% of net assets in the equity securities of mid-cap companies.
- (f) This investment option seeks long-term capital appreciation. The fund normally invests at least 80% of net assets in the equity securities of companies that the advisor believes offer potential for long-term growth.
- (g) This investment option seeks total return through investment in real estate securities. The fund invests at least 80% of its net assets in common stocks and other equity securities of real estate companies.
- (h) This investment option seeks a high rate of real return on an annual basis consistent with prudent risk and preservation of capital. The fund invests at least 80% of assets in inflation-protected bonds and other income-producing securities.
- (i) This investment option seeks current income with capital appreciation and growth of income. The fund invests at least 80% of net assets in bonds, including debt securities of varying maturities including notes, bills and debentures.
- (j) This investment option seeks to maximize current income to the extent consistent with liquidity and the preservation of capital by investing in a diversified portfolio of money market instruments.

ANALOGIC 401(K) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 6 - TAX STATUS

The Plan has adopted a prototype plan that has been determined by the Internal Revenue Service (IRS), in an opinion dated March 31, 2014, to be in accordance with applicable sections of the Code. The Plan has since been amended; however, in all material respects, the plan administrator believes the Plan is currently designed and being operated in compliance with the applicable provisions of the Code. Therefore, no provision for income taxes has been reflected in these financial statements.

US GAAP requires plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the taxing jurisdictions. The plan administrator has analyzed the tax positions taken by the Plan, and has concluded as of December 31, 2017 that there are no uncertain tax positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits in progress for any tax periods.

NOTE 7 - PLAN TERMINATION

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, participants will remain 100% vested in their accounts.

NOTE 8 - RELATED PARTY TRANSACTIONS

Certain plan investments are units of pooled separate accounts and the investment contract managed by Mass Mutual, the custodian, as defined by the Plan, and, therefore, these transactions qualify as exempt party-in-interest transactions. Fees paid by the Plan for investment management services amounted to \$23,761 and \$20,222 for the years ended December 31, 2017 and 2016, respectively.

NOTE 9 - ADMINISTRATIVE EXPENSES

Administrative expenses associated with custody and recordkeeping are paid out of an ERISA expense budget provided by Mass Mutual. To the extent expenses exceed the Mass Mutual ERISA budget, they are paid for by the Company. Loan and other transaction fees are charged to participants. The Company provides certain accounting and management services to the Plan at no charge. During 2017 and 2016, respectively, ERISA expense budgets of \$45,471 and \$138,210 were applied to participants' accounts. At December 31, 2017 and 2016, the ERISA expense budget had balances of \$35,978 and \$39,203, respectively, available to be distributed and allocated to participants' accounts in future periods.

ANALOGIC 401(K) PLAN

FORM 5500, SCHEDULE H, PART IV, LINE 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR) DECEMBER 31, 2017

Employer Identification Number: 04-2454372

Plan Number: 001

(a)	(b)	(c)	(d)	(e)
	Identity of Issue, Borrower, Lessor or Similar Party	Description of Investments Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	Cost	Current Value
*	Mass Mutual	Fixed Interest Fund (GIA)	**	\$ 53,436,816
	American Funds	Balanced Fund	**	35,764,453
	Vanguard	Total Stock Market Index Fund	**	15,018,772
*	Mass Mutual	Select Mid Cap Growth II (SIA-WF)	**	11,133,604
	Franklin	Growth Fund	**	9,289,217
*	Mass Mutual	American Washington Mutual Investors Fund R4 (SIA - KT)	**	8,148,110
*	Mass Mutual	JP Morgan Mid Cap Value Select Fund (SIA-UJ)	**	7,019,610
	Vanguard	Target Retirement 2025 Fund	**	6,709,524
	Vanguard	Total International Stock Index Fund	**	6,147,877
	Diamond Hill	Small Cap Fund	**	5,736,860
*	Mass Mutual	Oppenheimer Developing Markets Y (SIA-C)	**	5,545,190
*	Mass Mutual	Select Small Cap Growth Equity Fund (SIA-SC)	**	4,185,874
*	Mass Mutual	Metropolitan West Total Return Bond M Fund (SIA-PZ)	**	3,987,847
	Vanguard	Target Retirement 2030 Fund	**	3,492,957
	Vanguard	Target Retirement 2035 Fund	**	3,412,997
*	Mass Mutual	Oppenheimer Real Estate Y (SIA-CB)	**	2,620,292
	Vanguard	Total Bond Market Index Fund	**	1,968,017
	Vanguard	Target Retirement 2020 Fund	**	1,859,205
	Vanguard	Target Retirement 2040 Fund	**	1,232,662
*	Mass Mutual	Barings Premier Inflation-Protected and Income Fund (SIA-Y6)	**	1,202,736
	Vanguard	Target Retirement 2045 Fund	**	1,060,322
*	Mass Mutual	Templeton Global Bond Fund A (SIA-UE)	**	672,142
	Vanguard	Target Retirement 2060 Fund	**	610,859
	Vanguard	Target Retirement 2050 Fund	**	466,512
	Vanguard	Target Retirement Income Fund	**	457,250
	Vanguard	Target Retirement 2015 Fund	**	393,555
	Vanguard	Target Retirement 2055 Fund	**	280,927
*	Mass Mutual	Premier Money Market (SIA LG)		79
				<u>191,854,266</u>
*	Participant loans	Interest rates between 4.25% and 7.25%, maturity dates through 2028		<u>1,898,684</u>
				<u>\$ 193,752,950</u>
*	Party-in-interest			
**	Cost omitted for participant-directed investments			

A Name of Plan Analogic 401(k) Plan	B Three-digit plan Number 001
C Plan sponsor's name as shown on line 2a of Form 5500 Analogic Corporation	D Employer Identification Number 042454372

Schedule H, line 4i - Schedule of Assets (Held At End of Year)

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value	(d) Cost	(e) Current Value
*	MassMutual	Guaranteed Interest Account	53,436,816	53,436,816
*	MassMutual	Holding Account - SIA-LG	0	79
*	MassMutual	SIA-C	4,318,685	5,545,190
*	MassMutual	SIA-CB	2,309,339	2,620,292
*	MassMutual	SIA-KT	4,978,606	8,148,110
*	MassMutual	SIA-PZ	3,608,883	3,987,847
*	MassMutual	SIA-SC	2,916,530	4,185,874
*	MassMutual	SIA-UE	643,729	672,142
*	MassMutual	SIA-UJ	4,795,174	7,019,610
*	MassMutual	SIA-WF	6,807,218	11,133,604
*	MassMutual	SIA-Y6	1,135,009	1,202,736
*	Vanguard	MF-1158	13,466,150	15,018,772
*	Vanguard	MF-1283	261,244	280,927
*	Vanguard	MF-1403	582,568	610,859
*	American Funds	MF-1841	34,501,145	35,764,455
*	Vanguard	MF-2066	5,623,887	6,147,877
*	Vanguard	MF-2068	1,963,858	1,968,017
*	Diamond Hill	MF-2937	5,626,793	5,736,860
*	Vanguard	MF-618	453,573	457,250
*	Vanguard	MF-620	0	0
*	Vanguard	MF-621	391,441	393,555
*	Vanguard	MF-622	1,800,116	1,859,206
*	Vanguard	MF-623	6,352,407	6,709,524
*	Vanguard	MF-624	3,299,025	3,492,957
*	Vanguard	MF-625	3,200,132	3,412,997
*	Vanguard	MF-626	1,145,052	1,232,662
*	Vanguard	MF-627	977,465	1,060,322
*	Vanguard	MF-628	433,166	466,512
*	Franklin/Templeton	MF-JTA	8,467,124	9,289,217
*	Vanguard	Outside Fund	0	0
		Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0

Massachusetts Mutual Life Insurance Company (MassMutual) and affiliates, 1295 State Street, Springfield, MA 01111

RS-04787-02

Schedule of Assets Held for Investment Purposes attachment to Form 5500 Schedule H for the period of: 01/01/2017 - 12/31/2017

SF 51579 - 1

*	Vanguard	Outside Fund	0	0
*	Vanguard	Outside Fund	0	0
*	Diamond Hill	Outside Fund	0	0
*	American Funds	Outside Fund	3	0
	Participant Loans	4.250000 - 8.500000	0	1,898,684

A Name of Plan Analogic 401(k) Plan	B Three-digit Plan Number 001
C Plan sponsor's name as shown on line 2a of Form 5500 Analogic Corporation	D Employee Identification Number 042454372

Schedule H, line 4j - Schedule of Reportable Transactions

(a) Identity of party involved	(b) Description of asset (include interest rate and maturity in case of a loan)	(c) Purchase price	(d) Selling price	(e) Lease Rental	(f) Expense incurred with transaction	(g) Cost of asset	(h) Current value of asset on transaction date	(i) Net gain or (loss)
Vanguard	MF-1158	13,836,688	0		0	0	0	0
	Outside Fund	0	13,971,108		0	10,135,241	13,971,108	3,835,867
American F	MF-1841	33,918,777	0		0	0	0	0
	Outside Fund	0	33,918,777		0	31,272,559	33,918,777	2,646,218



Schedule C Soft Dollar Compensation Eligible Indirect Compensation Statement

Mutual fund investments of the plan (whether direct or indirect through a separate investment account) may have soft dollar arrangements pursuant to which the investment advisor or sub-advisor to the mutual fund (and/or its affiliates) may direct trades to certain brokers in exchange for research and other services, other than just trade execution. For plans investing directly or indirectly in the MassMutual Premier or Select Funds, MassMutual provided the required written disclosure regarding soft dollar compensation on the Schedule C Formula Description and/or EIC Statement Description Attachment. For all other mutual funds, MassMutual provided the required written disclosure in the Statement of Additional Information (“SAI”).

For additional information on soft dollar compensation, refer to the section of the mutual fund’s SAI that discusses brokerage allocation and other practices.

A Name of Plan Analogic 401(k) Plan	B Three-digit plan Number	001
C Plan sponsor's name as shown on line 2a of Form 5500 Analogic Corporation	D Employer Identification Number 042454372	

Schedule C Formula Description and/or EIC Statement Description

Service Provider Name	Service Provider EIN	Service Provider Address	Formula / EIC Statement
American Funds	946050854		American Funds received estimated Investment Management Fees of 0.22% with respect to plan assets held in the American Funds Balanced Fund (MR-1841).
American Funds	946050854		American Funds received estimated Investment Management Fees of 0.22% with respect to plan assets held in the American Funds Balanced Fund (OF 31203).
American Funds	900342299		American Funds received estimated Investment Management Fees of 0.24% with respect to plan assets held in the Washington Mutual Invs (American) (SIA-KT).
Diamond Hill	316547095		Diamond Hill received estimated Investment Management Fees of 0.80% with respect to plan assets held in the Diamond Hill Small Cap Fund (MR-2937).
Diamond Hill	316547095		Diamond Hill received estimated Investment Management Fees of 0.80% with respect to plan assets held in the Diamond Hill Small Cap Fund (OF 30518).
FranklinTempleton	132573775		FranklinTempleton received estimated Investment Management Fees of 0.45% with respect to plan assets held in the Franklin Growth Fund (MR-JTA).
FranklinTempleton	132573775		FranklinTempleton received estimated Investment Management Fees of 0.45% with respect to plan assets held in the Franklin Growth Fund (OF 30139).
FranklinTempleton	900342299		FranklinTempleton received estimated Investment Management Fees of 0.51% with respect to plan assets held in the Global Bond (Templeton) (SIA-UE).
JP Morgan	900342299		JP Morgan received estimated Investment Management Fees of 0.65% with respect to plan assets held in the Mid Cap Value (JP Morgan) (SIA-UJ).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual provided the Plan with the required written disclosure for float revenue received by MassMutual.
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.30% with respect to plan assets held in the Real Estate (OFI) (SIA-CB).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.25% with respect to plan assets held in the Franklin Growth Fund (MR-JTA).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the Global Bond (Templeton) (SIA-UE).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.25% with respect to plan assets held in the Franklin Growth Fund (OF 30139).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.25% with respect to plan assets held in the Global Bond (Templeton) (SIA-UE).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.30% with respect to plan assets held in the Developing Markets (OFI) (SIA-C).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.25% with respect to plan assets held in the Mid Cap Value (JP Morgan) (SIA-UJ).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.10% with respect to plan assets held in the Diamond Hill Small Cap Fund (MR-2937).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.10% with respect to plan assets held in the Diamond Hill Small Cap Fund (OF 30518).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated 12b-1 Fees of 0.25% with respect to plan assets held in the Washington Mutual Invs (American) (SIA-KT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.10% with respect to plan assets held in the Washington Mutual Invs (American) (SIA-KT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Administrative Fees of 0.10% with respect to plan assets held in the Select Mid Cap Gr (TRPFrontier) (SIA-WF).

Massachusetts Mutual Life Insurance Company (MassMutual), 1295 State Street, Springfield, Massachusetts 01111-0001.

Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.10% with respect to plan assets held in the Select MetWest Total Return Bond (SIA-PZ).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.10% with respect to plan assets held in the Select WellingtonOFI Small Cap Gr (SIA-SC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.10% with respect to plan assets held in the Prem Inflat-Prot and Incm (Barings) (SIA-Y6).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of 0.10% with respect to plan assets held in the Prem U.S. Govt Money Mrkt (Barings) (SIA-LG).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.69% with respect to plan assets held in the Select Mid Cap Gr (TRPFRONTIER) (SIA-WF).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.30% with respect to plan assets held in the Select MetWest Total Return Bond (SIA-PZ).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.80% with respect to plan assets held in the Select WellingtonOFI Small Cap Gr (SIA-SC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.35% with respect to plan assets held in the Prem U.S. Govt Money Mrkt (Barings) (SIA-LG).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.38% with respect to plan assets held in the Prem Inflat-Prot and Incm (Barings) (SIA-Y6).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Select Mid Cap Gr (TRPFRONTIER) (SIA-WF).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Select WellingtonOFI Small Cap Gr (SIA-SC).
Oppenheimer	223849391	Oppenheimer received estimated Investment Management Fees of 0.95% with respect to plan assets held in the Real Estate (OFI) (SIA-CB).
Oppenheimer	900342299	Oppenheimer received estimated Investment Management Fees of 0.78% with respect to plan assets held in the Developing Markets (OFI) (SIA-C).
Vanguard	231945930	Vanguard received estimated Investment Management Fees of 0.08% with respect to plan assets held in the Vanguard Total Intl Stock (OF 30222).
Vanguard	204683839	Vanguard received estimated Investment Management Fees of 0.13% with respect to plan assets held in the Closed Vanguard Target Retirement (MR-620).
Vanguard	204683839	Vanguard received estimated Investment Management Fees of 0.13% with respect to plan assets held in the Vanguard Target Ret. 2010 Fund (OF 30210).
Vanguard	231999755	Vanguard received estimated Investment Management Fees of 0.02% with respect to plan assets held in the Vanguard Total Stk Market Index (OF 30221).
Vanguard	200147814	Vanguard received estimated Investment Management Fees of 0.13% with respect to plan assets held in the Vanguard Target Retirement Incm Fd (MR-618).
Vanguard	204683964	Vanguard received estimated Investment Management Fees of 0.13% with respect to plan assets held in the Vanguard Target Retirement 2020 Fd (MR-622).
Vanguard	204683985	Vanguard received estimated Investment Management Fees of 0.14% with respect to plan assets held in the Vanguard Target Retirement 2030 Fd (MR-624).
Vanguard	204684039	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Vanguard Target Retirement 2040 Fd (MR-626).
Vanguard	204684087	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Vanguard Target Retirement 2050 Fd (MR-628).
Vanguard	231945930	Vanguard received estimated Investment Management Fees of 0.05% with respect to plan assets held in the Vanguard Total Bond Market Index (OF 30105).
Vanguard	231999755	Vanguard received estimated Investment Management Fees of 0.04% with respect to plan assets held in the Vanguard Total Stock Mkt Index Fd (MR-1158).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.13% with respect to plan assets held in the Vanguard Target Retirement 2015 Fd (MR-621).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.14% with respect to plan assets held in the Vanguard Target Retirement 2025 Fd (MR-623).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.14% with respect to plan assets held in the Vanguard Target Retirement 2035 Fd (MR-625).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan

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Vanguard	231945930	assets held in the Vanguard Target Retirement 2045 Fd (MR-627). Vanguard received estimated Investment Management Fees of 0.08% with respect to plan assets held in the Vanguard Total Intl Stock Index Fd (MR-2066).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Vanguard Target Retirement 2055 Fd (MR-1283).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Vanguard Target Retirement 2060 Fd (MR-1403).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Vanguard Target Retirement 2065 Fd (MR-3969).
Vanguard	200147814	Vanguard received estimated Investment Management Fees of 0.13% with respect to plan assets held in the Vanguard Target Retirement Incm Fd (OF 30209).
Vanguard	204683964	Vanguard received estimated Investment Management Fees of 0.13% with respect to plan assets held in the Vanguard Target Retirement 2020 Fd (OF 30212).
Vanguard	204683985	Vanguard received estimated Investment Management Fees of 0.14% with respect to plan assets held in the Vanguard Target Retirement 2030 Fd (OF 30214).
Vanguard	204684039	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Vanguard Target Retirement 2040 Fd (OF 30216).
Vanguard	204684087	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Vanguard Target Retirement 2050 Fd (OF 30218).
Vanguard	231945930	Vanguard received estimated Investment Management Fees of 0.04% with respect to plan assets held in the Vanguard Total Bond Mrkt Index Fund (MR-2068).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.13% with respect to plan assets held in the Vanguard Target Retirement 2015 Fd (OF 30211).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.14% with respect to plan assets held in the Vanguard Target Retirement 2025 Fd (OF 30213).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.14% with respect to plan assets held in the Vanguard Target Retirement 2035 Fd (OF 30215).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Vanguard Target Retirement 2045 Fd (OF 30217).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Vanguard Target Retirement 2055 Fd (OF 30219).
Vanguard	232311358	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Vanguard Target Retirement 2060 Fd (OF 30220).