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 6047(e), 6057(b), and 6058(a) of the Internal Revenue Code (the Code).

▶ **Complete all entries in accordance with the instructions to the Form 5500.**

OMB Nos. 1210-0110
1210-0089

2012

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A This return/report is for:
- [ ] a multiemployer plan;
- [ ] a multiple-employer plan; or
- [X] 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:
- [X] Form 5558;
- [ ] automatic extension;
- [ ] the DFVC program;
- [ ] special extension (enter description)

Part II Basic Plan Information—enter all requested information

1a Name of plan
SCHOTT CORPORATION 401(K) PLAN

1b Three-digit plan number (PN) ▶ 002

1c Effective date of plan 01/01/1987

2a Plan sponsor's name and address; include room or suite number (employer, if for a single-employer plan)

SCHOTT CORPORATION

555 TAXTER ROAD
ELMSFORD, NY 10523

2b Employer Identification Number (EIN)
13-3342824

2c Sponsor's telephone number
914-831-2200

2d Business code (see instructions)
327210

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.	10/10/2013	PETER RIETZ
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/10/2013	PETER RIETZ
	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

Preparer's name (including firm name, if applicable) and address; include room or suite number. (optional)

Preparer's telephone number (optional)

3a Plan administrator's name and address [X] Same as Plan Sponsor Name [ ] Same as Plan Sponsor Address	**3b** Administrator's EIN	
	3c Administrator's telephone number	
4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report:	**4b** EIN	
a Sponsor's name	**4c** PN	

5	Total number of participants at the beginning of the plan year	**5**	1675
6	Number of participants as of the end of the plan year (welfare plans complete only lines **6a, 6b, 6c,** and **6d**).		
a	Active participants	**6a**	1016
b	Retired or separated participants receiving benefits	**6b**	64
c	Other retired or separated participants entitled to future benefits	**6c**	763
d	Subtotal. Add lines **6a**, **6b**, and **6c**	**6d**	1843
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits	**6e**	2
f	Total. Add lines **6d** and **6e**	**6f**	1845
g	Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	1796
h	Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	41
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 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)	[X]	Insurance
(2)	[ ]	Code section 412(e)(3) insurance contracts
(3)	[X]	Trust
(4)	[ ]	General assets of the sponsor

9b Plan benefit arrangement (check all that apply)

(1)	[X]	Insurance
(2)	[ ]	Code section 412(e)(3) insurance contracts
(3)	[X]	Trust
(4)	[ ]	General assets of the sponsor

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

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

2012

This Form is Open to Public Inspection

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
SCHOTT CORPORATION 401(K) PLAN

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500
SCHOTT CORPORATION

D Employer Identification Number (EIN)
13-3342824

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.

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 51689	1845	01/01/2012	12/31/2012

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	**(b)** Total amount of fees paid
0	0

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(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
	(c) Amount	**(d)** Purpose	

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(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	39779061

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.	6d	

Specify nature of costs ▶

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	40690021
c	Additions: (1) Contributions deposited during the year	7c(1)	6966840		
	(2) Dividends and credits	7c(2)	0		
	(3) Interest credited during the year	7c(3)	1555445		
	(4) Transferred from separate account	7c(4)	1476129		
	(5) Other (specify below)	7c(5)	12984679		
	▶ LN INT, LN PRIN, LN TRF, LOAN DEFAU				
	(6) Total additions			7c(6)	22983093
d	Total of balance and additions (add lines **7b** and **7c(6)**).			7d	63673114
e	Deductions:				
	(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	3995316		
	(2) Administration charge made by carrier	7e(2)	18946		
	(3) Transferred to separate account	7e(3)	9682802		
	(4) Other (specify below)	7e(4)	359846		
	▶ LN DISTRIB				
	(5) Total deductions			7e(5)	14056910
f	Balance at the end of the current year (subtract line **7e(5)** from line **7d**)			7f	49616204

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)	Service Provider Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	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.**	**2012** **This Form is Open to Public Inspection.**

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
SCHOTT CORPORATION 401(K) PLAN

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500
SCHOTT CORPORATION

D Employer Identification Number (EIN)
13-3342824

Part I Service Provider Information (see instructions)

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).. . . . . [X] 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

MASSACHUSETTS MUTUAL LIFE INS. CO.

04-1590850

(b) Enter name and EIN or address of person who provided you disclosure 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)

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	40015	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [X] No [ ]

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

MMC SECURITIES CORP.

06-1685865

(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	INVESTMENT ADVISOR	0	Yes [X] No [ ]	Yes [ ] No [X]	35000	Yes [ ] No [X]

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

PARENTEBEARD

23-2932984

(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?
10	ACCOUNTANT	0	Yes [X] No [ ]	Yes [ ] No [X]	33190	Yes [ ] No [X]

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)

(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?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

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

(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?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

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

(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?
			Yes ☐ No ☐	Yes ☐ No ☐		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.	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.
PRM CR VAL BAB/LS/BW/OFI INST 04-1590850	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	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.
PREMIER INT'L EQUITY OFI INST 04-3212044	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	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.
PREMIER BALANCED BABSON 04-3212054	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	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.
PREMIER CORE BOND BABSON 04-3277549	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	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.
MM S & P 500 INDEX NORTHERN TRUST 04-3410047	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	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 SM/MID CAP OPPS IIOFI INST 04-3424705	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	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.
PREMIER SM/MID CAP OPPS OFI INST 04-3424705	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	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.
SEL SM CP GR W & R/WLLNGTN/TMBRLN 04-3464205	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	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.
SEL GR OPPORTNTS SANDS/DELAWARE 04-3512589	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	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 FOCUSED VALUE HARRIS 04-3512590	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	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 II TRP/FRONTIER 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.	72	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.
PREMIER HIGH YIELD BABSON 04-3520009	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	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.
SEL BLUE CHIP GROWTH T.ROWE PRICE 04-3556992	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	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 FUNDAMENTAL VAL WELLINGTON 04-3584138	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	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.
SEL SMCOVAL FED CLOV/TRP/ERNST 04-3584140	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.
GROWTH MFS 04-6551722	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.
FLEXIBLE STRATEGIES OFI 13-6918880	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.
ADV DOW JONES TRGT 2015 IIWLS FRG 20-1524639	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.
ADV DOW JONES TRGT 2025 IIWLS FRG 20-1524639	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.
ADV DOW JONES TRGT 2035 IIWLS FRG 20-1524639	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.
ADV DOW JONES TRGT 2045 IIWLS FRG 20-1524639	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.
ADV DOW JONES TRGT TDAY IIWLS FRG 20-1524639	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.
DISCOVERY OFI 22-2725700	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	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.
PREMIER MAIN STREET OFI INST 51-0529328	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	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.
PREMIER GLOBAL OFI 51-0529334	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	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.
PREMIER CAPITAL APPRECIATION OFI 51-0529336	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.
MID CAP VALUE PERKINS 84-1458637	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.
EQUITY OFI 84-6615607	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.
EUROPACIFIC GROWTH AMERICAN 95-6810128	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
MMC SECURITIES CORP.	27	35000

(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.
MASSACHUSETTS MUTUAL LIFE INS. CO. 04-1590850	PLAN RELATED EXPENSES

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
PARENTEBEARD	10	33190

(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.
MASSACHUSETTS MUTUAL LIFE INS. CO. 04-1590850	PLAN RELATED EXPENSES

(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)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

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

2012

This Form is Open to Public Inspection.

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
SCHOTT CORPORATION 401(K) PLAN

B Three-digit plan number (PN) ▶ 002

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
SCHOTT CORPORATION

D Employer Identification Number (EIN)
13-3342824

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)

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-A PRM CR VAL

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

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)
04-1590850-010	P	0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-DH PREMIER HIGH YIELD

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

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)
04-1590850-274	P	660787

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-E PREMIER CORE BOND

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

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)
04-1590850-041	P	3063425

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-EJ ADV DOW JONES TRGT TDAY II

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

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)
04-1590850-453	P	108197

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-GJ ADV DOW JONES TRGT 2015 II

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

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)
04-1590850-450	P	962064

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-I PREMIER INT'L EQUITY

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

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)
04-1590850-044	P	2554687

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-IJ ADV DOW JONES TRGT 2025 II

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

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)
04-1590850-447	P	3079899

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-KJ ADV DOW JONES TRGT 2035 II

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-444	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1887600

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-KR EUROPACIFIC GROWTH

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-416	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 463433

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-L SEL BLUE CHIP GR II

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-047	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-M PREMIER BALANCED

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-067	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2151676

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-N1 EQUITY

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-068	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-N3 DISCOVERY

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-070	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-N5 PREMIER MAIN STREET

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-072	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-N7 FLEXIBLE STRATEGIES

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-074	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-N9 GLOBAL STRATEGIC INCOME II

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-076	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-NC PREMIER CAPITAL APPRECIATION

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-078	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-ND PREMIER GLOBAL

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-079	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1422705

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-NM PREMIER SM/MID CAP OPPS

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-083	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-RJ ADV DOW JONES TRGT 2045 II

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-462	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2010482

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-S PREM SM/MID CAP OPPS II

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-103	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 697430

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-SB SEL BLACKROCK GLOBAL ALLOCAT

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-104	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-SC SEL SM CP GR

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-105	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2258566

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-SD SEL GR OPPORTNTS

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-106	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 950441

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-SI MID CAP VALUE

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 90-0342299-023	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 402787

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-SK SELECT FUNDAMENTAL VAL

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-174	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 4673629

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-SV SELECT FOCUSED VALUE

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-108	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-SY SEL SMCOVAL

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-171	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1388800

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-W1 SEL BLUE CHIP GROWTH

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-113	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-WF SELECT MID CAP GR II

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-126	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2258774

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-WJ EQUITY GROWTH

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-129	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-WL ULTRA

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-130	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-WP GROWTH

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-132	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 3365213

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-X MM S & P 500 INDEX

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-133	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-Y1 SEL BLUE CHIP GROWTH

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-170	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-ZX MM S & P 500 INDEX

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 04-1590850-189	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 5418466

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)

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 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

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

a Plan name

b Name of plan sponsor	**c** EIN-PN

SCHEDULE H (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

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

2012

This Form is Open to Public Inspection

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
SCHOTT CORPORATION 401(K) PLAN

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500
SCHOTT CORPORATION

D Employer Identification Number (EIN)
13-3342824

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		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)		
(2) Participant contributions	1b(2)		
(3) Other	1b(3)		220612
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)	1222663	1285142
(9) Value of interest in common/collective trusts	1c(9)	0	0
(10) Value of interest in pooled separate accounts	1c(10)	31037928	39779061
(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)	0	0
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)	40690021	49616204
(15) Other	1c(15)	0	0

		(a) Beginning of Year	(b) End of Year
1d Employer-related investments:			
(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	72950612	90901019
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 through1j)	1k	0	0
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	72950612	90901019

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) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: **(A)** Employers	2a(1)(A)	2787337	
(B) Participants	2a(1)(B)	4179502	
(C) Others (including rollovers)	2a(1)(C)	720320	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)**	2a(3)		7687159
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)	70450	
(F) Other	2b(1)(F)	1578714	
(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		1649164
(2) Dividends: **(A)** Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	0	
(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		0
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: **(A)** Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: **(A)** Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)**	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		0
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		4807544
(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)		0
c Other income	2c		0
d Total income. Add all **income** amounts in column (b) and enter total	2d		14143867
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	7650083	
(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)		7650083
f Corrective distributions (see instructions)	2f		0
g Certain deemed distributions of participant loans (see instructions)	2g		13474
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)	0	
(2) Contract administrator fees	2i(2)	35015	
(3) Investment advisory and management fees	2i(3)	0	
(4) Other	2i(4)	5000	
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		40015
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		7703572
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		6440295
l Transfers of assets:			
(1) To this plan	2l(1)		11510112
(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)** [X] Disclaimer **(4)** [ ] Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? [X] Yes [ ] No

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

(1) Name: PARENTEBEARD **(2)** EIN: 02-3293294

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:

		Yes	No	Amount
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.)	4a		X	
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.)	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.)	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.)	4d		X	
e	Was this plan covered by a fidelity bond?	4e	X		500000
f	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	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?	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?	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.)	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.)	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?	4k		X	
l	Has the plan failed to provide any benefit when due under the plan?	4l		X	
m	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	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?
If "Yes," enter the amount of any plan assets that reverted to the employer this year ☐ **Yes** ☒ **No** **Amount:**

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)

Part V Trust Information (optional)

6a Name of trust	**6b** Trust's EIN

SCHEDULE R (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Retirement Plan Information

This schedule is required to be filed under section 104 and 4065 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

2012

This Form is Open to Public Inspection.

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
SCHOTT CORPORATION 401(K) PLAN

B Three-digit plan number (PN) ▶ 002

C Plan sponsor's name as shown on line 2a of Form 5500
SCHOTT CORPORATION

D Employer Identification Number (EIN)
13-3342824

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 of 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**

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):

Schott Corporation 401(k) Plan

Financial Statements and
Supplementary Information

December 31, 2012 and 2011



Schott Corporation 401(k) Plan

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December 31, 2012 and 2011

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ParenteBeard

Independent Auditors' Report

Participants and Plan Administrator
Schott Corporation 401(k) Plan

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Schott Corporation 401(k) Plan (the "Plan"), which comprise the statement of net assets available for benefits as of December 31, 2012 and 2011, and the related statement of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

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 audit 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 ("DOL") 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 7, which was certified by Mass Mutual Life Insurance Company, the custodian of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that the custodian holds the Plan's investment assets and executes investment transactions. The plan administrator has obtained a certification from the custodian as of December 31, 2012 and 2011 and for the years then ended, that the information provided to the plan administrator by the 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.

Other Matter

The supplemental Schedule H, Line 4(i) - Schedule of Assets (Held at End of Year) as of December 31, 2012 is required by the DOL's Rules and Regulations for Reporting and Disclosures 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 DOL 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 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 DOL's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.



Clark, New Jersey
October 8, 2013

Schott Corporation 401(k) Plan

Statement of Net Assets Available for Benefits
December 31, 2012 and 2011

	2012	2011
Assets		
Investments, at fair value:		
Pooled separate investment accounts	$ 39,779,062	$ 31,037,928
Guaranteed investment contract	57,319,615	46,024,890
Total investments	97,098,677	77,062,818
Receivables:		
Notes receivable from participants	1,285,142	1,222,663
Total assets	98,383,819	78,285,481
Liabilities	-	-
Net assets available for benefits at fair value	98,383,819	78,285,481
Adjustment from Fair Value to Contract Value for Interest in Fully Benefit-Responsive Investment Contract	(7,703,412)	(5,334,869)
Net assets available for benefits	$ 90,680,407	$ 72,950,612

See notes to financial statements

Schott Corporation 401(k) Plan

Statement of Changes in Net Assets Available for Benefits
Years Ended December 31, 2012 and 2011

	2012	2011
Additions to Net Assets Attributed to		
Investment income:		
Interest and dividends	$ 1,578,714	$ 1,409,575
Net appreciation (depreciation) in fair value of investments	4,807,544	(403,419)
Total investment income	6,386,258	1,006,156
Interest income on notes receivable from participants	70,450	59,566
Contributions:		
Employer	2,787,337	2,768,360
Participant	4,179,502	3,770,902
Rollovers	720,320	272,652
Total contributions	7,687,159	6,811,914
Transfer of net assets into the Plan from affliated plans	11,289,500	381,418
Total additions	25,433,367	8,259,054
Deductions from Net Assets Attributed to		
Benefits paid to participants	7,663,557	5,047,708
Administrative expenses	40,015	34,741
Transfers of net assets out of the Plan to an affliated plan	-	68,560
Total deductions	7,703,572	5,151,009
Net increase in net assets available for benefits	17,729,795	3,108,045
Net Assets Available for Benefits		
Beginning of year	72,950,612	69,842,567
End of year	$ 90,680,407	$ 72,950,612

See notes to financial statements

1. Description of Plan

The following description of the Schott Corporation 401(k) Plan (the “Plan”) provides only general information. Participants should refer to the plan agreement for a more complete description of the Plan’s provisions.

General

The Plan is a defined contribution plan established on January 1, 1987 which was amended and restated effective January 1, 2004. Non-union employees of Schott Corporation and its participating affiliates (collectively, the “Company” or "Employer") become eligible to participate upon completing three months of service. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”).

The Plan has evaluated subsequent events for recognition or disclosure through October 8, 2013, the date the financial statements were available to be issued.

Contributions

Participants may contribute an amount on a pre-tax basis not to exceed fifty percent (50%) of their compensation for the contribution period. Participants may also elect to make voluntary after-tax contributions of up to fifteen percent (15%) of their salary. Elected contribution percentages may be changed each payroll period. Participants may transfer their funds between investment account options daily. The contribution by any participant may not exceed $17,000 in 2012 and $16,500 in 2011. Participants that attain the age of fifty (50) before the end of 2012 and 2011 may make an additional $5,500, pre-tax catch-up contribution. Contributions are subject to certain limitations. New employees will receive automatic deferrals of 6% from their eligible salary. The employee will be alerted of the automatic deduction before a deferral is made. A participant may elect to make a different deferral or no deferral at any time before or after the automatic deduction occurs.

The Company will make a matching contribution in an amount to be determined by the Company on an annual basis up to a maximum of six percent (6%) of the participant’s compensation. In 2012 and 2011, the Company made matching contributions of 100% of the participants first 1% plus 50% of the participants next 5% for each $1.00 contributed by an employee, up to the maximum allowed.

The Company contributes an additional 2% (“Fixed Company Contribution”) of certain participants' compensation (participants that entered the Plan after January 1, 2004) as an additional benefit since these participants can no longer be enrolled in other plans of the Company. The Company may also make a profit-sharing contribution in its discretion in an amount between 0% and 3% (“Variable Company Contribution”) of these participants’ compensation. The Company did not make any Variable Company Contributions during the years ended December 31, 2012 and 2011.

Employee contributions are recorded in the period during which the Company makes payroll deductions from the participants’ earnings. Matching Company contributions are recorded in the same period.

Participant Accounts

Each participant's account is credited with the participant's contribution and allocations of (a) the Company's contribution and (b) plan earnings, and charged with an allocation of administrative expenses. Allocations are based on participant earnings or account balances, as defined in the plan document. 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 contributions plus actual earnings thereon. The balance of vested employer contributions in the participant's accounts are based on years of service. A participant becomes twenty percent (20%) vested after one year of service, forty percent (40%) vested after two years of service, and one hundred percent (100%) vested after three or more years of service in all employer contributions. Participants will automatically become one hundred percent (100%) vested in all employer contributions if the participant becomes disabled, reaches age 65 while employed, retires or dies.

Payment of Benefits

Upon termination of service for any reason, participants may elect to have their vested interest remain in the appropriate investment funds, have their vested account balances directly rolled over, receive a lump-sum cash distribution or convert their account to an annuity and receive monthly installments over their lifetime. Distributions are subject to the applicable provisions of the plan agreement.

Notes Receivable from Participants

Participants may borrow a minimum of $1,000 up to the lesser of $50,000 or fifty percent (50%) of the vested portion of their account balance, subject to certain restrictions, in accordance with interest rates and collateral requirements established by the Plan. A note is collateralized by the balance in the participant's account and bears interest at a rate commensurate with market rates for similar notes, as defined (5.25% to 11.50%). Principal and interest are paid ratably through monthly payroll deductions. The terms of the notes are between one and five years or no greater than 20 years if used to acquire a principal residence.

Rollover Contributions

The Plan allows for rollover contributions or contributions made from other qualified retirement plans. In 2012 and 2011, rollover contributions included $720,320 and $272,652 respectively, of contributions from other qualified retirement plans.

Plan Transfers

During 2012, $2,220,872 and $9,036,266 were transferred from affiliated plans, the Schott Solar CSP, Inc. 401(k) Plan ("Solar") and the Schott North America, Inc. Duryea 401(k) Plan for Union Employees ("Schott Duryea"), respectively, to the Plan due to the termination of Solar and Schott Duryea plans. During 2012 and 2011, $32,362 and $381,418, respectively was transferred by Schott Duryea and Solar, respectively, due to changes in employment status of certain participants.

During 2011, $68,560 was transferred from the Plan to another affiliated Schott defined contribution plan also due to the change in employment status of several Schott employees throughout the 2011 plan year.

Forfeitures

Forfeitures result from non-vested benefits remaining in the Plan for all terminated employees. Upon reaching the break-in-service requirement, as defined in the plan agreement, forfeitures generated are added to the forfeiture holding account balance. The forfeiture holding account balance at December 31, 2012 and 2011 was $56,924 and $145,344, respectively. Forfeitures are available to reduce matching Company contributions or pay plan expenses, which would be otherwise payable by the Company, in accordance with the plan agreement. During 2012 and 2011, $119,831 and $740, respectively, were used to reduce company contributions and or plan expenses.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting.

Investment contracts held by a defined contribution plan are required to be reported at fair value. However, contract value is the relevant measurement attribute for that portion of the net assets available for benefits attributable to fully benefit-responsive investment contracts because contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of the Plan. The Plan invests in an investment contract through a collective trust fund. The Statement of Net Assets Available for Benefits presents the fair value of the investment contract held in the collective trust fund as well as the adjustment of the fully benefit-responsive contract from fair value to contract value. The Statement of Changes in Net Assets Available for Benefits is prepared on a contract value basis.

Valuation of Investments and Income Recognition

Investments are reported at fair value. 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 3 for a discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation (depreciation) includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosures of contingent assets and liabilities. Actual results could differ from those estimates.

Payment of Benefits

Benefits are recorded when paid.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Delinquent notes receivable are recorded as distributions based upon the terms of the plan document.

Administration of Plan Assets

The Plan's assets are administered under a contract with Mass Mutual Life Insurance Company ("Mass Mutual"), the custodian of the Plan. The custodian invests funds received from contributions, investment sales, interest, and dividend income and makes distribution payments to participants. Certain administrative expenses for maintaining the Plan are paid by the Company.

New Accounting Standards

The Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") No. 2011-04, Fair Value Measurement (Topic 820): Amendments to Achieve Common Fair Value Measurement and Disclosure Requirements in U.S. GAAP and IFRSs. ASU No. 2011-04 includes new and clarified guidance on fair value measurements. The adoption of the amended guidance revised the Plan's methodology for measuring fair value in its financial statements and required certain additional disclosures in the notes to the financial statements on a prospective basis.

3. Fair Value Measurements

The Plan measures its investments at fair value on a recurring basis in accordance with accounting principles generally accepted in the United States of America. 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 at the measurement date. The framework that the authoritative guidance establishes for measuring fair value includes a hierarchy used to classify the inputs used in measuring fair value. The hierarchy prioritizes the inputs used in determining valuations into three levels. The level in the fair value hierarchy within which the fair value measurement falls is determined based on the lowest level input that is significant to the fair value measurement. The levels of the fair value hierarchy are as follows:

Level 1 - Fair value is based on unadjusted quoted prices in active markets that are accessible to the Plan for identical assets. These generally provide the most reliable evidence and are used to measure fair value whenever available.

Level 2 - Fair value is based on significant inputs, other than Level 1 inputs, that are observable either directly or indirectly for substantially the full term of the asset through corroboration with observable market data. Level 2 inputs include quoted market prices in active markets for similar assets or liabilities, quoted market prices in inactive markets for identical or similar assets, and other observable inputs.

Level 3 - Fair value would be based on significant unobservable inputs. Examples of valuation methodologies that would result in Level 3 classification include option pricing models, discounted cash flows, and similar techniques.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2012 and 2011.

Pooled accounts are valued based upon the unit values of such pooled accounts held by the Plan at year end. Unit values are based on the fair value of the underlying assets of the fund derived from inputs principally from or corroborated by observable market data by correlation or other means, although are not based upon quoted market prices in an active market. The underlying investments of the pooled accounts consist of mutual funds, each of which follows a separate investment strategy as described in the following paragraphs:

Large Cap Growth Funds - Contributions to these funds will be invested in equity securities. The investment objective of the portfolios is to seek capital appreciation. Due to the nature of these securities, there are no unfunded commitments or redemption restrictions.

Large Cap Blended Funds - Contributions to these funds will be invested in equity, fixed income and money market securities based on the target retirement date desired. The investment objective of the portfolios is to seek a high total rate of return. Due to the nature of these securities, there are no unfunded commitments or redemption restrictions.

Large Cap Value Fund - Contributions to this fund will be invested primarily in equity securities. The investment objective of the portfolio is to seek long-term total return. Due to the nature of these securities, there are no unfunded commitments or redemption restrictions.

Bond Funds - Contributions to these funds will be invested primarily in U.S. debt securities and fixed income securities. The investment objective of the portfolios is to seek a high level of total return which an emphasis on current income. Due to the nature of these securities, there are no unfunded commitments or redemption restrictions.

Mid Cap Growth Fund - Contributions to this fund will be invested primarily in equity securities of mid-capitalization companies. The investment objective of the fund is to seek growth of capital over the long-term. Due to the nature of these securities, there are no unfunded commitments or redemption restrictions.

Small Cap Growth Funds - Contributions to these funds will be invested in equity securities of smaller companies that are believed to offer potential for long-term growth. The investment objective of the portfolios is to seek long-term capital appreciation. Due to the nature of these securities, there are no unfunded commitments or redemption restrictions.

Small Cap Blended Fund - Contributions to this fund will be invested primarily in equity securities of smaller companies which are deemed undervalued. The investment objective of the portfolios is to achieve long-term growth of capital. Due to the nature of these securities, there are no unfunded commitments or redemption restrictions.

Medium Cap Blended Funds - Contributions to these funds will be invested primarily in equity securities of mid-sized companies which are deemed undervalued or foreign companies. The investment objective of the portfolios is to seek capital appreciation. Due to the nature of these securities, there are no unfunded commitments or redemption restrictions.

Money Market Fund - Contributions to this fund will be invested in short term investments. The investment objective is to preserve the value of the investment. Due to the nature of these securities, there are no unfunded commitments or redemption restrictions.

Guaranteed investment contract fair value is estimated by discounting related cash flows based on current yields of similar instruments with comparable durations considering the credit-worthiness of the issuer.

The preceding methods may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. 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 table sets forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2012 and 2011:

	Assets at Fair Value as of December 31, 2012			
	(Level 1)	(Level 2)	(Level 3)	Total
Pooled Separate Investment Accounts:				
Large Cap Growth Funds	$ -	$ 7,806,038	$ -	$ 7,806,038
Large Cap Blended Funds	-	10,199,918	-	10,199,918
Large Cap Value Funds	-	4,673,629	-	4,673,629
Bond Funds	-	3,724,213	-	3,724,213
Mid Cap Growth Funds	-	2,258,774	-	2,258,774
Small Cap Growth Funds	-	3,209,007	-	3,209,007
Small Cap Blended Funds	-	1,388,800	-	1,388,800
Medium Cap Blended Funds	-	1,100,217	-	1,100,217
Money Market Fund		5,418,466		5,418,466
Guaranteed Investment Contract	-	-	57,319,615	57,319,615
Total	$ -	$ 39,779,062	$ 57,319,615	$ 97,098,677

	Assets at Fair Value as of December 31, 2011			
	(Level 1)	(Level 2)	(Level 3)	Total
Pooled Separate Investment Accounts:				
Large Cap Growth Funds	$ -	$ 8,396,148	$ -	$ 8,396,148
Large Cap Blended Funds	-	9,245,325	-	9,245,325
Large Cap Value Funds	-	4,330,233	-	4,330,233
Bond Funds	-	2,926,846	-	2,926,846
Mid Cap Growth Funds	-	2,131,989	-	2,131,989
Small Cap Growth Funds	-	1,925,353	-	1,925,353
Small Cap Blended Funds	-	1,235,921	-	1,235,921
Small Cap Value Funds	-	578,463	-	578,463
Medium Cap Blended Funds	-	267,650	-	267,650
Guaranteed Investment Contract	-	-	46,024,890	46,024,890
Total	$ -	$ 31,037,928	$ 46,024,890	$ 77,062,818

A reconciliation of the Fair Value Measurements Using Significant Unobservable Inputs of the Plan's Level 3 assets which consists solely of a Guaranteed Investment Contract is as follows:

	2012	2011
Beginning balance	$ 46,024,890	$ 41,368,769
Contributions	9,880,093	2,263,850
Earnings	1,587,939	1,437,784
Withdrawals	(3,995,316)	(3,023,563)
Transfers	1,476,129	2,610,514
Other	(3,716)	(2,186)
Expenses	(18,947)	(13,861)
Change in contract value adjustment	2,368,543	1,383,583
Ending balance	$ 57,319,615	$ 46,024,890

Quantitative information about significant unobservable inputs used in measuring the fair value for investment contract with insurance company:

Investments	Fair Value	Principal Valuation Techniques	Unobservable Inputs	Range of Significant Input Values
Guaranteed investment contract	$ 57,319,615	Discounted cash flow	Average Yield	3.01
			Average interest rate	3.01

4. Investment Information

The following presents individual investments that represent five percent (5%) or more of the Plan's net assets available for benefits as of December 31, 2012 and 2011.

	2012	2011
Unallocated Investment Contract		
Guaranteed Account	$ -	$ 46,024,890
Guaranteed Investment Contract		
SF Guaranteed	57,319,615	-
Money Market		
MM S&P 500 Index(Northern Trust)	5,418,466	-
Large Cap Value Funds		
Sel Fundamental Val (Wellington)	4,673,629	-

The Plan's investments at fair value, including gains and losses on investments bought and sold, as well as held during the year appreciated (depreciated) in value in the Statement of Changes in Net Assets Available for Benefits summarized as follows:

	2012	2011
Pooled separate investment accounts	$ 4,784,771	$ (431,855)
Guaranteed investment contract	22,773	28,436
Total	$ 4,807,544	$ (403,419)

5. Investment Contract with Insurance Company

The Plan has entered into a benefit-responsive investment contract with Mass Mutual. Mass Mutual maintains the contributions in a general account. The contract is included in the financial statements at contract value as reported to the Plan by Mass Mutual. Contract value represents contributions made under the contract, plus earnings (losses), less participant withdrawals and administrative expenses. Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investments at contract value. The guaranteed investment contract issuer is contractually obligated to repay the principal and a specified interest rate that is guaranteed to the plan.

The guaranteed investment contract is fully benefit-responsive, therefore contract value is the relevant measurement attribute for that portion of the net assets available for benefits attributable to the guaranteed investment contract.

There were no reserves against contact value for credit risk of the contract issuer or otherwise. The fair value of the investment contract at December 31, 2012 and 2011 was $57,319,615 and $46,024,890, respectively. The crediting interest rate is based on a formula agreed upon with the issuer, but it may not be less than 4 percent. Such interest rate is reviewed on a quarterly basis for resetting. The corresponding contract value, based on the underlying contract value of the Guaranteed Investment Contract as provided by the fund, is $49,616,201 and $40,690,021 resulting in an adjustment from fair value to contract value on the Statement of Net Assets Available for Benefits of $(7,703,412) and $(5,334,869) at December 31, 2012 and 2011, respectively. The principal is guaranteed at interest rates set a year in advance by MassMutual, summarized as follows:

January 1, 2011 to July 1, 2012	3.25 %
July 2, 2011 to December 31, 2012	3.25 %
January 1, 2010 to July 1, 2011	3.65 %
July 2, 2010 to December 31, 2011	3.65 %

Certain events may limit the ability of the Plan to transact at contract value with the issuer. Such events include the following: (1) amendments to the plan documents (including complete or partial plan termination or merger with another plan), (2) changes to the plan prohibition on competing investments options or deletion of equity wash provisions, (3) bankruptcy of the plan sponsor or plan sponsor events (for example, divestitures or spin-offs of a subsidiary) that cause a significant withdrawal from the Plan, or (4) the failure of the trust to qualify for exemption from federal income taxes or any required prohibited transaction exemption under ERISA. The plan administrator does not believe that any events which would limit the Plan's ability to transact at contract value with participants are probable of occurring.

6. Tax Status

The Internal Revenue Service ("IRS") has determined and informed the Company by a letter dated May 8, 2009 that the Plan and related trust are designed in accordance with applicable sections of the Internal Revenue Code ("IRC"). Although the Plan has been amended since receiving its determination letter, the plan administrator believes, based upon information from its employee benefits counsel and custodian, that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC as of December 31, 2012 and 2011.

Accounting principles generally accepted in the United States of America require management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the Internal Revenue Service. The plan administrator has analyzed the tax positions taken by the Plan and has concluded that as of December 31, 2012, there are no uncertain positions taken, or expected to be taken, that would require recognition of a liability or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The plan administrator believes it is no longer subject to income tax examinations for years prior to 2009.

7. Information Certified by Custodian

The plan administrator has elected the method of compliance as permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA for 2012 and 2011. Accordingly, Mass Mutual, the custodian of the Plan, has certified to the completeness and accuracy of all investments reported in the accompanying Statement of Net Assets Available for Benefits as of December 31, 2012 and 2011 and the supplemental Schedule H, Line 4(i) - Schedule of Assets (Held at End of Year) as of December 31, 2012, and the related investment activity reported in the Statement of Changes in Net Assets Available for Benefits for the years ended December 31, 2012 and 2011.

8. 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 anytime and to terminate the Plan subject to the provisions of ERISA. In the event of plan termination, participants will become one hundred percent (100%) vested in their accounts.

9. Related Party Transactions/Parties in Interest

Certain plan investments are managed by the custodian, and therefore, these transactions qualify as party-in-interest transactions. Additionally, the Plan issues notes to participants, which are secured by the participant's account balances. These loan transactions also qualify as party-in-interest transactions.

Certain administrative functions of the Plan are performed by officers or employees of the Company. No such officer or employee receives compensation from the Plan.

10. Risks 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 Statement of Net Assets Available for Benefits.

11. Subsequent Event

Effective January 1, 2013, Schott Solar CSP, Inc. 401(k) Plan was merged with the Plan. As a result, $220,612 of net assets were transferred into the Plan. There were no changes to the operation of the Plan as a result of this plan merger.

12. Reconciliation of Financial Statements to Form 5500

The following is a reconciliation of the Plan's statement of net assets available for benefits to the Form 5500 at December 31, 2012:

Net assets available for benefits per the financial statements	$ 90,680,407
Amount transferred in connection with the plan merger discussed in Note 11 to the financial statements	220,612
Net assets available for benefits per Form 5500	$ 90,901,019

The following is a reconciliation of the Plan's statement of changes in net assets available for benefits to the Form 5500 for the year ended December 31, 2012:

Net increase in net assets available for benefits per the financial statements	$ 17,729,795
Less: Plan transfers per the financial statements	11,289,500
Net increase in net assets available for benefits per Form 5500	$ 6,440,295

The following is a reconciliation of the transfers out of the plan to the Form 5500 for the year ended December 31, 2012:

Plan transfers per the financial statements	$ 11,289,500
Amount transferred in connection with the plan merger discussed in Note 11 to the financial statements	220,612
Plan transfers per the Form 5500	$ 11,510,112

Schott Corporation 401(k) Plan

Schedule H, Line 4(i) - Schedule of Assets (Held at End of Year)
EIN 13-3342824 Plan Number: 002
December 31, 2012

(a)	Identity of Issue (b)	Description of Investment (c)	Cost (d)	Current Value (e)
	Guaranteed Investment Contract			
*	MassMutual	Guaranteed Interest Account	N/R	$ 57,319,615
	Pooled Separate Accounts			
	MassMutual	MM S&P 500 Index	N/R	5,418,466
*	MassMutual	Select Fundamental Value	N/R	4,673,629
*	MassMutual	MFS Growth Fund	N/R	3,365,213
*	MassMutual	Advantage Dow Jones Target 2025	N/R	3,079,899
*	MassMutual	Premier Core Bond	N/R	3,063,425
*	MassMutual	Premier International Equity	N/R	2,554,687
*	MassMutual	Select Mid Cap Growth II	N/R	2,258,774
*	MassMutual	Select Small Cap Growth Equity	N/R	2,258,566
*	MassMutual	Premier Balanced	N/R	2,151,676
*	MassMutual	Advantage Dow Jones Target 2045	N/R	2,010,482
*	MassMutual	Advantage Dow Jones Target 2035	N/R	1,887,600
*	MassMutual	Premier Global	N/R	1,422,705
*	MassMutual	Select Small Company Value	N/R	1,388,800
*	MassMutual	Advantage Dow Jones Target 2015	N/R	962,064
*	MassMutual	Select Aggressive Growth	N/R	950,441
*	MassMutual	Premier Small Co. Opportunities II	N/R	697,430
*	MassMutual	Premier High Yield	N/R	660,787
*	MassMutual	American Funds EuroPacific Growth	N/R	463,433
*	MassMutual	Perkins Mid Cap Value	N/R	402,788
*	MassMutual	Advantage Dow Jones Target Today	N/R	108,197
		Sub-total		39,779,062
*	Participant notes receivable	Interest rates ranging from 5.25% to 11.50%	-	1,285,142
		Total		$ 98,383,819

* A party-in interest as defined by ERISA

N/R Cost omitted for participant directed investments

A Name of Plan	B Three-digit plan Number
SCHOTT Corporation 401(k) Plan	**002**
C Plan sponsor's name as shown on line 2a of Form 5500	**D Employer Identification Number**
SCHOTT Corporation	**133342824**

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

(a)	(b) Identity of issue, borrower, lessor, or similar part	(c) Description of investment including maturity date, rate of interest,collateral, par, or maturity value	(d) Cost	(e) Current Value
*	MassMutual	Guaranteed Interest Account	49,515,779	49,515,779
*	MassMutual	Holding Account (GIA)	100,425	100,425
*	MassMutual	SIA-A	0	0
*	MassMutual	SIA-DH	542,569	660,787
*	MassMutual	SIA-E	2,561,009	3,063,425
*	MassMutual	SIA-EJ	99,228	108,197
*	MassMutual	SIA-GJ	881,649	962,064
*	MassMutual	SIA-I	1,957,362	2,554,687
*	MassMutual	SIA-IJ	2,809,872	3,079,899
*	MassMutual	SIA-KJ	1,720,457	1,887,600
*	MassMutual	SIA-KR	410,416	463,433
*	MassMutual	SIA-L	0	0
*	MassMutual	SIA-M	1,820,348	2,151,676
*	MassMutual	SIA-N1	0	0
*	MassMutual	SIA-N3	0	0
*	MassMutual	SIA-N5	0	0
*	MassMutual	SIA-N7	0	0
*	MassMutual	SIA-N9	0	0
*	MassMutual	SIA-NC	0	0
*	MassMutual	SIA-ND	1,150,023	1,422,705
*	MassMutual	SIA-NM	1	1
*	MassMutual	SIA-RJ	1,834,836	2,010,482
*	MassMutual	SIA-S	537,262	697,430
*	MassMutual	SIA-SB	0	0
*	MassMutual	SIA-SC	1,986,137	2,258,566
*	MassMutual	SIA-SD	838,690	950,441
*	MassMutual	SIA-SI	356,657	402,787
*	MassMutual	SIA-SK	4,317,448	4,673,629
*	MassMutual	SIA-SV	0	0
*	MassMutual	SIA-SY	1,037,833	1,388,800
*	MassMutual	SIA-W1	0	0
*	MassMutual	SIA-WF	1,666,634	2,258,774
*	MassMutual	SIA-WJ	0	0
*	MassMutual	SIA-WL	0	0
*	MassMutual	SIA-WP	2,855,642	3,365,213
*	MassMutual	SIA-X	0	0
*	MassMutual	SIA-Y1	0	0
*	MassMutual	SIA-ZX	5,293,730	5,418,466
	Participant Loans	5.250000 - 11.500000	0	1,285,142

A Name of Plan	B Three-digit plan Number
SCHOTT Corporation 401(k) Plan	**002**
C Plan sponsor's name as shown on line 2a of Form 5500	**D Employer Identification Number**
SCHOTT Corporation	**133342824**

Schedule C Formula Description and/or EIC Statement Description

Service Provider Name	Service Provider EIN	Service Provider Address	Formula / EIC Statement
American Funds	956810128		MassMutual provided the Plan with the required written disclosure for Management Fees received by American Funds with respect to the EuroPacific Growth (American) - Class 4 separate account (SIA-KR).
Janus	841458637		MassMutual provided the Plan with the required written disclosure for Management Fees received by Janus with respect to the Mid Cap Value (Perkins) - Class T separate account (SIA-SI).
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 the Prem Sm/Mid Cap Opps II(OFI Inst) - Class S separate account (SIA-S).
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 the Premier Balanced (Babson) - Class S separate account (SIA-M).
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 the Premier Capital Appreciation (OFI) - Class S separate account (SIA-NC).
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 the Premier Global (OFI) - Class S separate account (SIA-ND).
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 the Premier Int'l Equity (OFI Inst) - Class S separate account (SIA-I).
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 the Premier Main Street (OFI Inst) - Class S separate account (SIA-N5).
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 the Premier Sm/Mid Cap Opps (OFI Inst) - Class A separate account (SIA-NM).
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 the Sel Blue Chip Growth (T.Rowe Price) - Class L separate account (SIA-W1).
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 the Sel Blue Chip Growth (T.Rowe Price) - Class Y separate account (SIA-Y1).
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 the Sel Gr Opportnts (Sands/Delaware) - Class S separate account (SIA-SD).
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 the Sel Sm Cp Gr (W&R/Wllngtn/Tmbrln) - Class S separate account (SIA-SC).
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 the Sel SmCoVal (Fed Clov/TRP/ERNST) - Class S separate account (SIA-SY).
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 the Select Focused Value

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		(Harris) - Class S separate account (SIA-SV).
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 the Select Fundamental Val (Wellington) - Class S separate account (SIA-SK).
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 the Select Mid Cap Gr II (TRP/Frontier) - Class S separate account (SIA-WF).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for 12b-1 Fees received by MassMutual with respect to the EuroPacific Growth (American) - Class 4 separate account (SIA-KR).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for 12b-1 Fees received by MassMutual with respect to the Premier Sm/Mid Cap Opps (OFI Inst) - Class A separate account (SIA-NM).
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 provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to MM S&P 500 Index (Northern Trust) - Class I (SIA-ZX).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to MM S&P 500 Index (Northern Trust) - Class S (SIA-X).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Prem Sm/Mid Cap Opps II(OFI Inst) - Class S (SIA-S).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Premier Balanced (Babson) - Class S (SIA-M).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Premier Capital Appreciation (OFI) - Class S (SIA-NC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Premier Core Bond (Babson) - Class S (SIA-E).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Premier Global (OFI) - Class S (SIA-ND).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Premier High Yield (Babson) - Class Y (SIA-DH).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Premier Int'l Equity (OFI Inst) - Class S (SIA-I).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Premier Main Street (OFI Inst) - Class S (SIA-N5).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Premier Sm/Mid Cap Opps (OFI Inst) - Class A (SIA-NM).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Sel Blue Chip Growth (T.Rowe Price) - Class L (SIA-W1).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Sel Blue Chip Growth (T.Rowe Price) - Class Y (SIA-Y1).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Sel Gr Opportnts (Sands/Delaware) - Class S (SIA-SD).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Sel Sm Cp Gr (W&R/Wllngtn/Tmbrln) - Class S (SIA-SC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Sel SmCoVal (Fed Clov/TRP/ERNST) - Class S (SIA-SY).

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Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Select Focused Value (Harris) - Class S (SIA-SV).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Select Fundamental Val (Wellington) - Class S (SIA-SK).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the Plan with the required written disclosure for Management Fees received by MassMutual with respect to Select Mid Cap Gr II (TRP/Frontier) - Class S (SIA-WF).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (10 basis points * plan assets) with respect to the Prem Sm/Mid Cap Opps II(OFI Inst) - Class S separate account (SIA-S).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (10 basis points * plan assets) with respect to the Premier Capital Appreciation (OFI) - Class S separate account (SIA-NC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (11 basis points * plan assets) with respect to the Premier Main Street (OFI Inst) - Class S separate account (SIA-N5).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (14 basis points * plan assets) with respect to the MM S&P 500 Index (Northern Trust) - Class I separate account (SIA-ZX).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (14 basis points * plan assets) with respect to the Premier Int'l Equity (OFI Inst) - Class S separate account (SIA-I).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (17 basis points * plan assets) with respect to the Sel Sm Cp Gr (W&R/Wllngtn/Tmbrln) - Class S separate account (SIA-SC).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (18 basis points * plan assets) with respect to the Premier Global (OFI) - Class S separate account (SIA-ND).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (18 basis points * plan assets) with respect to the Select Focused Value (Harris) - Class S separate account (SIA-SV).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (18 basis points * plan assets) with respect to the Select Mid Cap Gr II (TRP/Frontier) - Class S separate account (SIA-WF).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (24 basis points * plan assets) with respect to the Sel Gr Opportnts (Sands/Delaware) - Class S separate account (SIA-SD).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (25 basis points * plan assets) with respect to the Sel SmCoVal (Fed Clov/TRP/ERNST) - Class S separate account (SIA-SY).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (27 basis points * plan assets) with respect to the Premier Core Bond (Babson) - Class S separate account (SIA-E).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (27 basis points * plan assets) with respect to the Select Fundamental Val (Wellington) - Class S separate account (SIA-SK).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (29 basis points * plan assets) with respect to the Premier High Yield (Babson) - Class Y separate account (SIA-DH).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (29 basis points * plan assets) with respect to the Sel Blue Chip Growth (T.Rowe Price) - Class Y separate account (SIA-Y1).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (30 basis points * plan assets) with respect to the Premier Sm/Mid Cap Opps (OFI Inst) - Class A separate account (SIA-NM).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (35 basis points * plan assets) with respect to the MM S&P 500 Index (Northern Trust) - Class S separate account (SIA-X).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (41 basis points * plan assets) with respect to the Sel Blue Chip Growth (T.Rowe Price) - Class L separate account (SIA-W1).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Administrative Fees of (7 basis points * plan assets) with respect to the Premier Balanced (Babson) - Class S separate account (SIA-M).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Management Fees of (60 basis points * plan assets) with respect to Prm Cr Val (Bab/LS/Bw/OFI Inst) SIA-A.
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of (10 basis points * plan assets) with respect to the EuroPacific Growth (American) - Class 4 separate account (SIA-KR).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of (15 basis points * plan assets) with respect to the Adv Dow Jones Trgt 2015 II(Wls Frg) - Class 2 separate account (SIA-GJ).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of (15 basis points * plan assets) with respect to the Adv Dow Jones Trgt 2025 II(Wls Frg) - Class 2 separate account (SIA-IJ).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of (15 basis points * plan assets) with respect to the Adv Dow Jones Trgt 2035 II(Wls Frg) - Class 2 separate account (SIA-KJ).
Massachusetts Mutual Life Insurance	041590850	MassMutual received estimated Sub-TA Fees of (15 basis points * plan assets) with

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Company		respect to the Adv Dow Jones Trgt 2045 II(Wls Frg) - Class 2 separate account (SIA-RJ).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of (15 basis points * plan assets) with respect to the Adv Dow Jones Trgt Tday II(Wls Frg) - Class 2 separate account (SIA-EJ).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of (15 basis points * plan assets) with respect to the Growth (MFS) - Class I separate account (SIA-WP).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of (25 basis points * plan assets) with respect to the Mid Cap Value (Perkins) - Class T separate account (SIA-SI).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of (38 basis points * plan assets) with respect to the Discovery (OFI) - Class Y separate account (SIA-N3).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of (38 basis points * plan assets) with respect to the Equity (OFI) - Class Y separate account (SIA-N1).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Sub-TA Fees of (38 basis points * plan assets) with respect to the Flexible Strategies (OFI) - Class Y separate account (SIA-N7).
MFS Investment Management	046551722	MassMutual provided the Plan with the required written disclosure for Management Fees received by MFS Investment Management with respect to the Growth (MFS) - Class I separate account (SIA-WP).
Oppenheimer	136918880	MassMutual provided the Plan with the required written disclosure for Management Fees received by Oppenheimer with respect to the Flexible Strategies (OFI) - Class Y separate account (SIA-N7).
Oppenheimer	222725700	MassMutual provided the Plan with the required written disclosure for Management Fees received by Oppenheimer with respect to the Discovery (OFI) - Class Y separate account (SIA-N3).
Oppenheimer	846615607	MassMutual provided the Plan with the required written disclosure for Management Fees received by Oppenheimer with respect to the Equity (OFI) - Class Y separate account (SIA-N1).
Wells Fargo	201524639	MassMutual provided the Plan with the required written disclosure for Management Fees received by Wells Fargo with respect to the Adv Dow Jones Trgt 2015 II(Wls Frg) - Class 2 separate account (SIA-GJ).
Wells Fargo	201524639	MassMutual provided the Plan with the required written disclosure for Management Fees received by Wells Fargo with respect to the Adv Dow Jones Trgt 2025 II(Wls Frg) - Class 2 separate account (SIA-IJ).
Wells Fargo	201524639	MassMutual provided the Plan with the required written disclosure for Management Fees received by Wells Fargo with respect to the Adv Dow Jones Trgt 2035 II(Wls Frg) - Class 2 separate account (SIA-KJ).
Wells Fargo	201524639	MassMutual provided the Plan with the required written disclosure for Management Fees received by Wells Fargo with respect to the Adv Dow Jones Trgt 2045 II(Wls Frg) - Class 2 separate account (SIA-RJ).
Wells Fargo	201524639	MassMutual provided the Plan with the required written disclosure for Management Fees received by Wells Fargo with respect to the Adv Dow Jones Trgt Tday II(Wls Frg) - Class 2 separate account (SIA-EJ).

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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 the soft dollar compensation, refer to the section of the mutual fund's SAI that discusses brokerage allocation and other practices.

A Name of Plan	B Three-digit Plan Number
SCHOTT Corporation 401(k) Plan	**002**
C Plan sponsor's name as shown on line 2a of Form 5500	**D Employee Identification Number**
SCHOTT Corporation	**133342824**

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)
MassMutual	SIA-ZX	5,559,116	0		0	0	0	0