

**MML Series Investment Fund and MML Series Investment Fund II**  
**Top Ten Holdings as of 3/31/2012**

**Top 10**

MML Short-Duration Bond Fund (Babson) iyfl		MML Inflation Protected & Income Fund (Babson) itjl		MML Managed Bond Fund (Babson) itiy		MML Blend Fund (Babson) 2bac		
1	US TREASURY N/B 09/16 3.	4.7	TSY INFL IX N/B 01/25 2.375	5.7	US TREASURY N/B 12/14 0.25	9.6	US TREASURY N/B 12/14 0.25	2.8
2	BM0259820 CDS USD R V 01MEVENT	3.5	TSY INFL IX N/B 07/14 2.	5.3	US TREASURY N/B 09/17 1.875	5.9	2YR US TREASURY NOTE FUTURES JUN12 XCBT	2.6
3	BM0342048 CDS USD R V 01MEVENT	2.9	TSY INFL IX N/B 01/21 1.125	5.1	2YR US TREASURY NOTE FUTURES JUN12 XCBT	5.4	Apple Inc.	2.2
4	US TREASURY N/B 08/21 2.125	2.8	TSY INFL IX N/B 04/14 1.25	4.9	FNMA TBA APR 30 SINGLE FAM	3.5	Exxon Mobil Corp.	1.8
5	BM0328435 CDS USD R V 03MEVENT	2.8	TSY INFL IX N/B 04/29 3.875	4.8	US TREASURY N/B 08/21 2.125	2.1	General Electric Co.	1.4
6	US TREASURY N/B 09/17 1.875	2.3	TSY INFL IX N/B 01/15 1.625	4.5	GNMA I TBA APR 30 SINGLE FAM	1.8	US TREASURY N/B 09/17 1.875	1.3
7	FNMA TBA APR 15 SINGLE FAMILY	1.9	TSY INFL IX N/B 04/28 3.625	4.3	FNMA TBA APR 30 SINGLE FAM	1.8	FNMA TBA APR 30 SINGLE FAM	1.2
8	GNMA I TBA APR 30 SINGLE FAM	1.9	TSY INFL IX N/B 04/16 0.125	3.9	BM0328716 CDS USD R V 03MEVENT	1.7	FNMA TBA APR 30 SINGLE FAM	1.2
9	US TREASURY N/B 12/14 0.25	1.7	TSY INFL IX N/B 07/20 1.25	3.9	FED HM LN PC POOL C03755	1.5	GNMA I TBA APR 30 SINGLE FAM	1.1
10	FHLMC TBA APR 15 GOLD SINGLE	1.7	TSY INFL IX N/B 07/21 0.625	3.8	GNMA I TBA APR 30 SINGLE FAM	1.4	Microsoft Corp.	1.1
		26.2		46.3		34.7		16.8

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MML High Yield Fund (Babson) iyfm		MML Income & Growth Fund (BlackRock) itin		MML Large Cap Value Fund (Davis) itia		MML Equity Fund (Oppenheimer/Loomis Sayles) 2bak		
1	FIRST DATA CORPORATION SR SECURED 144A 06/19 7.375	2.1	JPMorgan Chase & Co.	3.1	Wells Fargo & Co.	6.2	Chevron Corp.	4.3
2	EVERTEC INC COMPANY GUAR 10/18 11.	1.9	Chevron Corp.	3.0	American Express Co.	6.0	Wells Fargo & Co.	3.6
3	ALERE INC COMPANY GUAR 05/16 9.	1.8	Wells Fargo & Co.	2.9	CVS Caremark Corp.	5.4	Honeywell International Inc.	2.8
4	ALTA MESA HLDGS/FINANC S COMPANY GUAR 10/18 9.625	1.6	Exxon Mobil Corp.	2.2	Bank of New York Mellon Corp.	4.6	JPMorgan Chase & Co.	2.7
5	CIT GROUP INC 03/18 5.25	1.4	International Business Machines Corp.	2.1	Costco Wholesale Corp.	4.5	UnitedHealth Group Inc.	2.5
6	AFFINIA GROUP INC COMPANY GUAR 11/14 9.	1.4	Caterpillar Inc.	2.0	EOG Resources Inc.	3.7	Exxon Mobil Corp.	2.4
7	SABRE HOLDINGS CORP SR UNSECURED 03/16 8.35	1.4	Philip Morris International Inc.	2.0	Google Inc. CI A	3.1	Merck & Co Inc	2.3
8	PBF HOLDING CO LLC SR SECURED 144A 02/20 8.25	1.4	BHP Billiton Ltd.	1.9	Progressive Corp.	3.1	Coca-Cola Co.	2.2
9	SAMSON INVESTMENT COMPAN SR UNSECURED 144A 02/20 9.75	1.3	Pfizer Inc.	1.8	Loews Corp.	2.9	Juniper Networks Inc.	1.9
10	AURORA USA OIL + GAS INC COMPANY GUAR 144A 02/17 9.875	1.3	Home Depot Inc.	1.7	Bed Bath & Beyond Inc.	2.6	Goldman Sachs Group Inc.	1.9
		15.7		22.7		42.1		26.7

**Top 10**

MML Equity Income Fund (T. Rowe Price) itij		MML Large Cap Growth Fund (Rainier) itih		MML Growth & Income Fund (MFS) itjr		MML Small/Mid Cap Equity Fund (Oppenheimer) itjh		
1	JPMorgan Chase & Co.	2.8	Apple Inc.	6.9	Apple Inc.	4.5	Robert Half International Inc.	1.8
2	Chevron Corp.	2.7	Google Inc. CI A	3.3	Danaher Corp.	2.6	HollyFrontier Corp.	1.7
3	General Electric Co.	2.7	QUALCOMM Inc.	3.1	Exxon Mobil Corp.	2.5	Skyworks Solutions Inc.	1.6
4	Exxon Mobil Corp.	2.2	Schlumberger Ltd.	2.5	JPMorgan Chase & Co.	2.5	MSCI Inc. CI A	1.5
5	American Express Co.	2.0	Philip Morris International Inc.	2.3	Oracle Corp.	2.2	Questcor Pharmaceuticals Inc.	1.5
6	Wells Fargo & Co.	1.9	Precision Castparts Corp.	2.3	Philip Morris International Inc.	2.2	AES Corp.	1.4
7	AT&T Inc.	1.7	Costco Wholesale Corp.	2.1	Walt Disney Co.	2.2	Aruba Networks Inc.	1.4
8	Royal Dutch Shell PLC (ADS CI A)	1.7	American Tower Corp	1.9	Google Inc. CI A	2.1	Old Dominion Freight Line Inc.	1.4
9	U.S. Bancorp	1.6	Ametek Inc.	1.8	Procter & Gamble Co.	2.1	Semtech Corp.	1.4
10	Microsoft Corp.	1.5	Allergan Inc.	1.8	EMC Corp.	2.0	PVH Corp.	1.4
		20.8		28.1		24.8		15.1

## Top 10

MML Equity Index Fund (Northern Trust)		iti9	MML Small Cap Growth Equity Fund (Waddell & Reed/W		itjc	MML Strategic Emerging Markets Fund (Baring)		tim0	MML Mid Cap Growth Fund (T. Rowe Price)		itmC
1	Apple Inc.	4.3	Tempur-Pedic International Inc.	2.4	Samsung Electronics Co. Ltd.	6.7	Dollar General Corp.	2.0			
2	Exxon Mobil Corp.	3.2	Wabtec	2.3	Petrobras Petroleo Brasileiro Pref ADR	4.3	Ametek Inc.	1.9			
3	International Business Machines Corp.	1.9	Micros Systems Inc.	2.2	Hon Hai Precision Industry Co. Ltd.	4.1	Roper Industries Inc.	1.7			
4	Microsoft Corp.	1.9	Under Armour Inc. Cl A	2.1	CNOOC Ltd.	3.7	IHS Inc. Cl A	1.6			
5	General Electric Co.	1.6	Portfolio Recovery Associates Inc.	2.1	China Construction Bank Corp.	3.5	Textron Inc.	1.5			
6	Chevron Corp.	1.6	Dril-Quip Inc.	2.1	Industrial & Commercial Bank of China Ltd.	3.3	Dentsply International Inc.	1.5			
7	AT&T Inc.	1.4	Acuity Brands Inc.	1.9	Sberbank of Russia OJSC	3.2	Nuance Communications Inc.	1.5			
8	Procter & Gamble Co.	1.4	Volcano Corp.	1.7	Gazprom OAO ADS	2.8	Red Hat Inc.	1.4			
9	Johnson & Johnson	1.4	Cyberonics Inc.	1.6	Taiwan Semiconductor Manufacturing Co. Ltd. ADS	2.8	Trimble Navigation Ltd.	1.4			
10	Wells Fargo & Co.	1.4	BroadSoft Inc.	1.4	Banco do Brasil S/A	2.7	Gartner Inc.	1.3			
		20.1			19.8			37.2			15.8

## Top 10

MML Blue Chip Growth Fund (T. Rowe Price)		itio	MML Mid Cap Value Fund (American Century)		itim	MML Small/Mid Cap Value Fund (AllianceBernstein)		izde	MML China Fund (Baring)		tim1
1	Apple Inc.	10.4	Republic Services Inc.	3.3	Jones Group Inc.	1.6	Industrial & Commercial Bank of China Ltd.	5.0			
2	Google Inc. Cl A	4.5	iShares Russell Mid Cap Value Index Fund	2.9	Constellation Brands Inc. Cl A	1.5	CNOOC Ltd.	4.9			
3	Amazon.com Inc.	3.4	Northern Trust Corp.	2.7	Lear Corp.	1.4	China Mobile Ltd.	4.8			
4	Danaher Corp.	3.2	Imperial Oil Ltd.	2.0	Zions Bancorporation	1.4	Tencent Holdings Ltd.	4.4			
5	priceline.com Inc.	3.0	Kimberly-Clark Corp.	1.7	Endurance Specialty Holdings Ltd.	1.4	PetroChina Co. Ltd.	4.1			
6	MasterCard Inc. Cl A	2.7	CareFusion Corp.	1.7	Reinsurance Group of America Inc.	1.4	Baidu Inc. ADS	3.3			
7	QUALCOMM Inc.	2.5	Tyco International Ltd.	1.7	Health Net Inc.	1.3	China Construction Bank Corp.	2.9			
8	Starbucks Corp.	2.4	Zimmer Holdings Inc.	1.7	Comerica Inc.	1.3	China Shenhua Energy Co. Ltd.	2.7			
9	Baidu Inc. ADS	2.4	PG&E Corp.	1.7	First Niagara Financial Group Inc.	1.3	China Petroleum & Chemical Corp.	2.4			
10	Praxair Inc.	2.1	Ralcorp Holdings Inc.	1.7	Ann Inc.	1.3	Netease Inc ADR	2.4			
		36.6			21.2			14.0			36.9

## Top 10

MML Small Company Value Fund (T. Rowe Price)		ityj	MML Global Fund (MFS)		itjk	MML Foreign Fund (Templeton)		itiq
1	Landstar System Inc.	2.4	Linde AG	3.3	Samsung Electronics Co. Ltd.	3.2		
2	ProAssurance Corp.	2.2	Nestle S.A.	3.1	Telenor ASA	2.2		
3	Aaron's Inc.	2.0	Walt Disney Co.	2.7	Sanofi S.A.	2.0		
4	Kirby Corp.	1.9	Heineken N.V.	2.5	Vodafone Group PLC ADS	1.9		
5	Nordson Corp.	1.7	Reckitt Benckiser Group PLC	2.4	Royal Dutch Shell PLC (CL B)	1.9		
6	Stifel Financial Corp.	1.7	Diageo PLC	2.3	DBS Group Holdings Ltd.	1.9		
7	Beacon Roofing Supply Inc.	1.7	Honeywell International Inc.	2.0	Taiwan Semiconductor Manufacturing Co. Ltd.	1.9		
8	Genesee & Wyoming Inc. Cl A	1.6	Accenture PLC	2.0	Statoil ASA	1.8		
9	SVB Financial Group	1.5	LVMH Moet Hennessy Louis Vuitton	2.0	Roche Holding AG	1.7		
10	East West Bancorp Inc.	1.5	Oracle Corp.	1.9	Total S.A.	1.5		
		18.3			24.2			19.9