

Fannie Mae SMBS-321

Contact: MBS Helpline
BESTMBS@fanniemae.com
1-800-237-8627
1-202-752-5858

Report Date : 6/16/13 9:37 PM

Distribution Summary - 06/2013

Class	CUSIP	Group	Interest Rate	Beginning/Notional Class Balance	Interest Distribution	Prepayment Penalties/Yield Maintenance	Principal Distribution	Ending/Notional Class Balance	Total Distribution	Paid Off Date
PO1	3136FAKL3		0.00000	57,264,115.10	0.00	N/AP	1,504,170.01	55,759,945.09	1,504,170.01	
IO2	3136FAKM1		6.50000	57,264,120.10	310,180.65	N/AP	0.00	55,759,950.09	310,180.65	
PI3*	3136FAKN9		0.50000	57,264,120.10	23,860.05	N/AP	1,504,170.01	55,759,950.09	1,528,030.06	
PI4*	3136FAKP4		1.00000	57,264,120.10	47,720.10	N/AP	1,504,170.01	55,759,950.09	1,551,890.11	
PI5*	3136FAKQ2		1.50000	57,264,120.10	71,580.15	N/AP	1,504,170.01	55,759,950.09	1,575,750.16	
PI6*	3136FAKR0		2.00000	57,264,120.10	95,440.20	N/AP	1,504,170.01	55,759,950.09	1,599,610.21	
PI7*	3136FAKS8		2.50000	57,264,120.10	119,300.25	N/AP	1,504,170.01	55,759,950.09	1,623,470.26	
PI8*	3136FAKT6		3.00000	57,264,120.10	143,160.30	N/AP	1,504,170.01	55,759,950.09	1,647,330.31	
PI9*	3136FAKU3		3.50000	57,264,120.10	167,020.35	N/AP	1,504,170.01	55,759,950.09	1,671,190.36	
PI10*	3136FAKV1		4.00000	57,264,120.10	190,880.40	N/AP	1,504,170.01	55,759,950.09	1,695,050.41	
PI11*	3136FAKW9		4.50000	57,264,120.10	214,740.45	N/AP	1,504,170.01	55,759,950.09	1,718,910.46	
PI12*	3136FAKX7		5.00000	57,264,120.10	238,600.50	N/AP	1,504,170.01	55,759,950.09	1,742,770.51	
PI13*	3136FAKY5		5.50000	57,264,120.10	262,460.55	N/AP	1,504,170.01	55,759,950.09	1,766,630.56	
PI14*	3136FAKZ2		6.00000	57,264,120.10	286,320.60	N/AP	1,504,170.01	55,759,950.09	1,790,490.61	
PI15*	3136FALA6		6.50000	57,264,120.10	310,180.65	N/AP	1,504,170.01	55,759,950.09	1,814,350.66	
IP16*	3136FALB4		7.00000	53,173,825.81	310,180.65	N/AP	1,396,729.30	51,777,096.51	1,706,909.95	
IP17*	3136FALC2		7.50000	49,628,904.09	310,180.65	N/AP	1,303,614.01	48,325,290.08	1,613,794.66	
IP18*	3136FALD0		8.00000	46,527,097.58	310,180.65	N/AP	1,222,138.13	45,304,959.45	1,532,318.78	
IP19*	3136FALE8		8.50000	43,790,209.49	310,180.65	N/AP	1,150,247.65	42,639,961.83	1,460,428.30	
IP20*	3136FALF5		9.00000	41,357,420.07	310,180.65	N/AP	1,086,345.01	40,271,075.07	1,396,525.66	
IP21*	3136FALG3		9.50000	39,180,713.75	310,180.65	N/AP	1,029,168.95	38,151,544.80	1,339,349.60	
IP22*	3136FALH1		10.00000	37,221,678.07	310,180.65	N/AP	977,710.51	36,243,967.56	1,287,891.16	
IP23*	3136FALJ7		10.50000	35,449,217.20	310,180.65	N/AP	931,152.86	34,518,064.34	1,241,333.51	
IP24*	3136FALK4		11.00000	33,837,889.15	310,180.65	N/AP	888,827.73	32,949,061.42	1,199,008.38	
IP25*	3136FALL2		11.50000	32,366,676.58	310,180.65	N/AP	850,183.05	31,516,493.53	1,160,363.70	
IP26*	3136FALM0		12.00000	31,018,065.05	310,180.65	N/AP	814,758.76	30,203,306.30	1,124,939.41	
IP27*	3136FALN8		12.50000	29,777,342.45	310,180.65	N/AP	782,168.41	28,995,174.05	1,092,349.06	
IP28*	3136FALP3		13.00000	28,632,060.05	310,180.65	N/AP	752,085.01	27,879,975.05	1,062,265.66	
Totals				57,264,115.10	310,180.65	N/AP	1,504,170.01	55,759,945.09	1,814,350.66	

NOTE: N/AV - Not Available. N/AP - Not Applicable. * RCR Classes.

** Refer to either the Prospectus Supplement or to the Excel file for tranches supported by more than one group.

*** Please contact MBS Helpline for interest rate information.

Disclaimer: Please refer to the REMIC and SMBS Legal Notice on our site for important information pertaining to this report.

Fannie Mae SMBS-321

Contact: MBS Helpline
 BESTMBS@fanniemae.com
 1-800-237-8627
 1-202-752-5858

Report Date : 6/16/13 9:37 PM

Principal Distribution Statement - 06/2013

Class	Original Class Balance	Group	Beginning/Notional Class Balance	Principal Distribution	Accretion	Ending/Notional Class Balance	Paid Off Date
PO1	3,000,000,000.00		57,264,115.10	1,504,170.01	N/AP	55,759,945.09	
IO2	3,000,000,000.00		57,264,120.10	0.00	N/AP	55,759,950.09	
PI3*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI4*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI5*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI6*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI7*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI8*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI9*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI10*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI11*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI12*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI13*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI14*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
PI15*	3,000,000,000.00		57,264,120.10	1,504,170.01	N/AP	55,759,950.09	
IP16*	2,785,714,285.00		53,173,825.81	1,396,729.30	N/AP	51,777,096.51	
IP17*	2,600,000,000.00		49,628,904.09	1,303,614.01	N/AP	48,325,290.08	
IP18*	2,437,500,000.00		46,527,097.58	1,222,138.13	N/AP	45,304,959.45	
IP19*	2,294,117,647.00		43,790,209.49	1,150,247.65	N/AP	42,639,961.83	
IP20*	2,166,666,666.00		41,357,420.07	1,086,345.01	N/AP	40,271,075.07	
IP21*	2,052,631,578.00		39,180,713.75	1,029,168.95	N/AP	38,151,544.80	
IP22*	1,950,000,000.00		37,221,678.07	977,710.51	N/AP	36,243,967.56	
IP23*	1,857,142,857.00		35,449,217.20	931,152.86	N/AP	34,518,064.34	
IP24*	1,772,727,272.00		33,837,889.15	888,827.73	N/AP	32,949,061.42	
IP25*	1,695,652,173.00		32,366,676.58	850,183.05	N/AP	31,516,493.53	
IP26*	1,625,000,000.00		31,018,065.05	814,758.76	N/AP	30,203,306.30	
IP27*	1,560,000,000.00		29,777,342.45	782,168.41	N/AP	28,995,174.05	
IP28*	1,500,000,000.00		28,632,060.05	752,085.01	N/AP	27,879,975.05	
Totals	3,000,000,000.00		57,264,115.10	1,504,170.01	N/AP	55,759,945.09	

NOTE: N/AV - Not Available. N/AP - Not Applicable. * RCR Classes.

** Refer to either the Prospectus Supplement or to the Excel file for tranches supported by more than one group.

Disclaimer: Please refer to the REMIC and SMBS Legal Notice on our site for important information pertaining to this report.

Fannie Mae SMBS-321

Contact: MBS Helpline
 BESTMBS@fanniemae.com
 1-800-237-8627
 1-202-752-5858

Report Date : 6/16/13 9:37 PM

Principal Distribution Factors Statement - 06/2013

Class	Original Class Balance	Group	Beginning/Notional Class Balance	Principal Distribution	Accretion	Ending/Notional Class Balance	Paid Off Date
PO1	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
IO2	3,000,000,000.00		0.01908804	0.00000000	N/AP	0.01858665	
PI3*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI4*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI5*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI6*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI7*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI8*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI9*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI10*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI11*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI12*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI13*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI14*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
PI15*	3,000,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
IP16*	2,785,714,285.00		0.01908804	0.00050139	N/AP	0.01858665	
IP17*	2,600,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
IP18*	2,437,500,000.00		0.01908804	0.00050139	N/AP	0.01858665	
IP19*	2,294,117,647.00		0.01908804	0.00050139	N/AP	0.01858665	
IP20*	2,166,666,666.00		0.01908804	0.00050139	N/AP	0.01858665	
IP21*	2,052,631,578.00		0.01908804	0.00050139	N/AP	0.01858665	
IP22*	1,950,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
IP23*	1,857,142,857.00		0.01908804	0.00050139	N/AP	0.01858665	
IP24*	1,772,727,272.00		0.01908804	0.00050139	N/AP	0.01858665	
IP25*	1,695,652,173.00		0.01908804	0.00050139	N/AP	0.01858665	
IP26*	1,625,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
IP27*	1,560,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	
IP28*	1,500,000,000.00		0.01908804	0.00050139	N/AP	0.01858665	

NOTE: N/AV - Not Available. N/AP - Not Applicable. * RCR Classes.

** Refer to either the Prospectus Supplement or to the Excel file for tranches supported by more than one group.

Disclaimer: Please refer to the REMIC and SMBS Legal Notice on our site for important information pertaining to this report.

Fannie Mae SMBS-321

Contact: MBS Helpline
 BESTMBS@fanniemae.com
 1-800-237-8627
 1-202-752-5858

Report Date : 6/16/13 9:37 PM

Interest Distribution Statement - 06/2013

Class	Accrual Basis	Delay/No Delay	Group	Original Class Balance	Current Interest Rate	Beginning/Notional Class Balance	Interest Distribution	Current Interest Shortfall	Cumulative Interest Shortfall	Ending/Notional Class Balance	Paid Off Date
PO1	30/360	DELAY		3,000,000,000.00	0.00000	57,264,115.10	0.00	N/AP	N/AP	55,759,945.09	
IO2	30/360	DELAY		3,000,000,000.00	6.50000	57,264,120.10	310,180.65	N/AP	N/AP	55,759,950.09	
PI3*	30/360	DELAY		3,000,000,000.00	0.50000	57,264,120.10	23,860.05	N/AP	N/AP	55,759,950.09	
PI4*	30/360	DELAY		3,000,000,000.00	1.00000	57,264,120.10	47,720.10	N/AP	N/AP	55,759,950.09	
PI5*	30/360	DELAY		3,000,000,000.00	1.50000	57,264,120.10	71,580.15	N/AP	N/AP	55,759,950.09	
PI6*	30/360	DELAY		3,000,000,000.00	2.00000	57,264,120.10	95,440.20	N/AP	N/AP	55,759,950.09	
PI7*	30/360	DELAY		3,000,000,000.00	2.50000	57,264,120.10	119,300.25	N/AP	N/AP	55,759,950.09	
PI8*	30/360	DELAY		3,000,000,000.00	3.00000	57,264,120.10	143,160.30	N/AP	N/AP	55,759,950.09	
PI9*	30/360	DELAY		3,000,000,000.00	3.50000	57,264,120.10	167,020.35	N/AP	N/AP	55,759,950.09	
PI10*	30/360	DELAY		3,000,000,000.00	4.00000	57,264,120.10	190,880.40	N/AP	N/AP	55,759,950.09	
PI11*	30/360	DELAY		3,000,000,000.00	4.50000	57,264,120.10	214,740.45	N/AP	N/AP	55,759,950.09	
PI12*	30/360	DELAY		3,000,000,000.00	5.00000	57,264,120.10	238,600.50	N/AP	N/AP	55,759,950.09	
PI13*	30/360	DELAY		3,000,000,000.00	5.50000	57,264,120.10	262,460.55	N/AP	N/AP	55,759,950.09	
PI14*	30/360	DELAY		3,000,000,000.00	6.00000	57,264,120.10	286,320.60	N/AP	N/AP	55,759,950.09	
PI15*	30/360	DELAY		3,000,000,000.00	6.50000	57,264,120.10	310,180.65	N/AP	N/AP	55,759,950.09	
IP16*	30/360	DELAY		2,785,714,285.00	7.00000	53,173,825.81	310,180.65	N/AP	N/AP	51,777,096.51	
IP17*	30/360	DELAY		2,600,000,000.00	7.50000	49,628,904.09	310,180.65	N/AP	N/AP	48,325,290.08	
IP18*	30/360	DELAY		2,437,500,000.00	8.00000	46,527,097.58	310,180.65	N/AP	N/AP	45,304,959.45	
IP19*	30/360	DELAY		2,294,117,647.00	8.50000	43,790,209.49	310,180.65	N/AP	N/AP	42,639,961.83	
IP20*	30/360	DELAY		2,166,666,666.00	9.00000	41,357,420.07	310,180.65	N/AP	N/AP	40,271,075.07	
IP21*	30/360	DELAY		2,052,631,578.00	9.50000	39,180,713.75	310,180.65	N/AP	N/AP	38,151,544.80	
IP22*	30/360	DELAY		1,950,000,000.00	10.00000	37,221,678.07	310,180.65	N/AP	N/AP	36,243,967.56	
IP23*	30/360	DELAY		1,857,142,857.00	10.50000	35,449,217.20	310,180.65	N/AP	N/AP	34,518,064.34	
IP24*	30/360	DELAY		1,772,727,272.00	11.00000	33,837,889.15	310,180.65	N/AP	N/AP	32,949,061.42	
IP25*	30/360	DELAY		1,695,652,173.00	11.50000	32,366,676.58	310,180.65	N/AP	N/AP	31,516,493.53	
IP26*	30/360	DELAY		1,625,000,000.00	12.00000	31,018,065.05	310,180.65	N/AP	N/AP	30,203,306.30	
IP27*	30/360	DELAY		1,560,000,000.00	12.50000	29,777,342.45	310,180.65	N/AP	N/AP	28,995,174.05	
IP28*	30/360	DELAY		1,500,000,000.00	13.00000	28,632,060.05	310,180.65	N/AP	N/AP	27,879,975.05	
Totals				3,000,000,000.00		57,264,115.10	310,180.65	N/AP	N/AP	55,759,945.09	

NOTE: N/AV - Not Available. N/AP - Not Applicable. * RCR Classes.

** Refer to either the Prospectus Supplement or to the Excel file for tranches supported by more than one group.

*** Please contact MBS Helpline for interest rate information.

Disclaimer: Please refer to the REMIC and SMBS Legal Notice on our site for important information pertaining to this report.

Fannie Mae SMBS-321

Contact: MBS Helpline
 BESTMBS@fanniemae.com
 1-800-237-8627
 1-202-752-5858

Report Date : 6/16/13 9:37 PM

Interest Distribution Factors Statement - 06/2013

Class	Accrual Basis	Delay/No Delay	Group	Original Class Balance	Current Interest	Beginning/Notional Class Balance	Interest Distribution	Current Interest Shortfall	Cumulative Interest Shortfall	Ending/Notional Class Balance	Paid Off Date
PO1	30/360	DELAY		3,000,000,000.00	0.000000000	0.01908804	0.00000000	N/AP	N/AP	0.01858665	
IO2	30/360	DELAY		3,000,000,000.00	5.416666667	0.01908804	0.00010339	N/AP	N/AP	0.01858665	
PI3*	30/360	DELAY		3,000,000,000.00	0.416666667	0.01908804	0.00000795	N/AP	N/AP	0.01858665	
PI4*	30/360	DELAY		3,000,000,000.00	0.833333333	0.01908804	0.00001591	N/AP	N/AP	0.01858665	
PI5*	30/360	DELAY		3,000,000,000.00	1.250000000	0.01908804	0.00002386	N/AP	N/AP	0.01858665	
PI6*	30/360	DELAY		3,000,000,000.00	1.666666667	0.01908804	0.00003181	N/AP	N/AP	0.01858665	
PI7*	30/360	DELAY		3,000,000,000.00	2.083333333	0.01908804	0.00003977	N/AP	N/AP	0.01858665	
PI8*	30/360	DELAY		3,000,000,000.00	2.500000000	0.01908804	0.00004772	N/AP	N/AP	0.01858665	
PI9*	30/360	DELAY		3,000,000,000.00	2.916666667	0.01908804	0.00005567	N/AP	N/AP	0.01858665	
PI10*	30/360	DELAY		3,000,000,000.00	3.333333333	0.01908804	0.00006363	N/AP	N/AP	0.01858665	
PI11*	30/360	DELAY		3,000,000,000.00	3.750000000	0.01908804	0.00007158	N/AP	N/AP	0.01858665	
PI12*	30/360	DELAY		3,000,000,000.00	4.166666667	0.01908804	0.00007953	N/AP	N/AP	0.01858665	
PI13*	30/360	DELAY		3,000,000,000.00	4.583333333	0.01908804	0.00008749	N/AP	N/AP	0.01858665	
PI14*	30/360	DELAY		3,000,000,000.00	5.000000000	0.01908804	0.00009544	N/AP	N/AP	0.01858665	
PI15*	30/360	DELAY		3,000,000,000.00	5.416666667	0.01908804	0.00010339	N/AP	N/AP	0.01858665	
IP16*	30/360	DELAY		2,785,714,285.00	5.833333333	0.01908804	0.00011135	N/AP	N/AP	0.01858665	
IP17*	30/360	DELAY		2,600,000,000.00	6.250000000	0.01908804	0.00011930	N/AP	N/AP	0.01858665	
IP18*	30/360	DELAY		2,437,500,000.00	6.666666667	0.01908804	0.00012725	N/AP	N/AP	0.01858665	
IP19*	30/360	DELAY		2,294,117,647.00	7.083333333	0.01908804	0.00013521	N/AP	N/AP	0.01858665	
IP20*	30/360	DELAY		2,166,666,666.00	7.500000000	0.01908804	0.00014316	N/AP	N/AP	0.01858665	
IP21*	30/360	DELAY		2,052,631,578.00	7.916666667	0.01908804	0.00015111	N/AP	N/AP	0.01858665	
IP22*	30/360	DELAY		1,950,000,000.00	8.333333333	0.01908804	0.00015907	N/AP	N/AP	0.01858665	
IP23*	30/360	DELAY		1,857,142,857.00	8.750000000	0.01908804	0.00016702	N/AP	N/AP	0.01858665	
IP24*	30/360	DELAY		1,772,727,272.00	9.166666667	0.01908804	0.00017497	N/AP	N/AP	0.01858665	
IP25*	30/360	DELAY		1,695,652,173.00	9.583333333	0.01908804	0.00018293	N/AP	N/AP	0.01858665	
IP26*	30/360	DELAY		1,625,000,000.00	10.000000000	0.01908804	0.00019088	N/AP	N/AP	0.01858665	
IP27*	30/360	DELAY		1,560,000,000.00	10.416666667	0.01908804	0.00019883	N/AP	N/AP	0.01858665	
IP28*	30/360	DELAY		1,500,000,000.00	10.833333333	0.01908804	0.00020679	N/AP	N/AP	0.01858665	

NOTE: N/AV - Not Available. N/AP - Not Applicable. * RCR Classes.

** Refer to either the Prospectus Supplement or to the Excel file for tranches supported by more than one group.

*** Please contact MBS Helpline for interest rate information.

All Interest factors on the Interest Distribution Factors Statement are expressed in 30/360 regardless of the accrual basis.

Disclaimer: Please refer to the REMIC and SMBS Legal Notice on our site for important information pertaining to this report.

Fannie Mae SMBS-321

Contact: MBS Helpline
 BESTMBS@fanniemae.com
 1-800-237-8627
 1-202-752-5858

Report Date : 6/16/13 9:37 PM

Collateral Statement - 06/2013

Group	Collateral Description	Weighted Average Coupon Rate	Weighted Average Pass-Through Rate	Weighted Average Remaining Term	Beginning Security Count	Ending Security Count	Beginning Scheduled Balance	Ending Scheduled Balance	Scheduled Interest	Prepayment Penalty Paid Amount
	MBS	6.95850	6.50000	211	1	1	57,264,120.10	55,759,950.09	310,180.65	N/AP

NOTE: N/AV - Not Available. N/AP - Not Applicable.

** Refer to either the Prospectus Supplement or to the Excel file for tranches supported by more than one group.

Any Group(s) where the underlying collateral is backed by private label securities, please refer to the prospectus and the trustee's remittance report for information on the underlying security.

Disclaimer: Please refer to the REMIC and SMBS Legal Notice on our site for important information pertaining to this report.