

Built-in mask ROM voice synthesis ICs and serial voice ROMs are manufactured according to customer orders. The following standard products are also available for general use and for sound quality evaluation and demonstration.

For details, feel free to contact our business department.

MSM6375 family general-purpose ROM codes

Model	Contents	Application	f _{SAM}	Option
MSM6372-100	Japanese female voice	Demonstration	6.4/8.0 kHz	B
MSM6372-119	Japanese female voice	Switching between FAX and telephone set	6.4 kHz	L
MSM6373-308	Japanese female voice	Answering machine and clock time reporting	4.0 kHz	A
MSM6373-329	English male voice	Answering machine and clock time reporting	4.0 kHz	G
MSM6374-006	Japanese female voice	Answering machine and clock time reporting	6.4 kHz	E
MSM6374-007	English female voice	Answering machine and clock time reporting	6.4 kHz	G
MSM6374-519	Japanese female voice	Answering machine and clock time reporting	5.3 kHz	A
MSM6374-544	English female voice	Answering machine and clock time reporting	6.4 kHz	G
MSM6374-545	Chinese female voice	Answering machine and clock time reporting	6.4 kHz	G
MSM6374-553	Japanese female voice	Answering machine and clock time reporting	6.4 kHz	G

MSM6650 family general-purpose ROM codes

Model	Contents	Application	f _{SAM}	Option
MSM6653-301	Demonstration	Demonstration message (in eight languages)	10.6/8.0/5.3 kHz	C
MSM6654-405	Demonstration	Demonstration message	Various frequencies	C
MSM6654-410	Demonstration	Demonstration (Japanese, English, sound effects)	Various frequencies	A
MSM6656-601	Demonstration	Demonstration message (Japanese)	Various frequencies	C
MSM6656-603	Demonstration	Demonstration message (English)	Various frequencies	C
MSM6658A-800	Demonstration	Demonstration message	Various frequencies	A

MSM6596A series general-purpose ROM codes

Model	Contents	Application	f _{SAM}	Option
MSM6596A-900	Voice in eight languages	Time stamp for answering machine demonstration	6.4/8.0 kHz	—
MSM6597A-750	Japanese and English female voice	Time stamp for answering machine demonstration	6.4/8.0 kHz	—

MSM9800 series general-purpose ROM codes

Model	Contents	Application	f _{SAM}	Option
MSM9802-200	Bell and birdcall	Demonstration (sound effects)	8.0 kHz	—

Details are shown in the following tables.

MSM6375 family general-purpose ROM codes

MSM6372-100 Voice Word Address Corresponding List
(for demonstration)

Specification: F_{OSC} = 64kHz, Option B

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40			60		
41			61		
42			62		
43			63		
44			64		
45			65		
46			66		
47			67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50			70	BEEP Sound Code	
51			71		
52			72		
53			73		
54			74		
55			75		
56			76		
57			77		
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F		

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	Stop Code	—	20		
01	いच्छしゃませ	8.0	21		
02	いच्छしゃませ	6.4	22		
03	ありがとうございました	8.0	23		
04	ありがとうございました	6.4	24		
05			25		
06			26		
07			27		
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10			30		
11			31		
12			32		
13			33		
14			34		
15			35		
16			36		
17			37		
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6372-119 Voice Word Address Corresponding List
 (for telephone and facsimile switchable guidance in Japanese)
 Specification: F_{OSC} = 64kHz, Option L

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40			60		
41			61		
42			62		
43			63		
44			64		
45			65		
46			66		
47			67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50			70	BEEP Sound Code	
51			71		
52			72		
53			73		
54			74		
55			75		
56			76		
57			77	Test Code	
58			78		
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F		

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20		
01	電話を呼び出しております	6.4	21		
02	ファクシミリにつながります	6.4	22		
03	送信ボタンを押して下さい	6.4	23		
04			24		
05			25		
06			26		
07			27		
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10			30		
11			31		
12			32		
13			33		
14			34		
15			35		
16			36		
17			37		
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6373-308 Voice Word Address Corresponding List (for Japanese Time Signal)
 Specification: F_{OSC} = 64kHz, Option A

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	無音	30 (ms)	60	シャープ	4.0
41	じゅう	4.0	61	スター	4.0
42	にじゅう	4.0	62	ポーズ	4.0
43	さんじゅう	4.0	63		
44	よんじゅう	4.0	64	日 (にち)	6.4
45	ごじゅう	4.0	65		
46	伝言	4.0	66		
47	件	4.0	67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50	無音	50 (ms)	70	BEEP Sound Code	
51	午前	4.0	71		
52	午後	4.0	72		
53	ぶん	4.0	73		
54	ぶん	4.0	74		
55	です	4.0	75		
56			76		
57			77	↓	
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F	↓	

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	Stop Code	—	20	いっ	(分) 4.0
01	いち (時)	4.0	21	さん	(分) 4.0
02	に (時・分)	4.0	22	よん	(分) 4.0
03	さん (時)	4.0	23		
04	よ (時)	4.0	24	ろっ	(分) 4.0
05	ご (時・分)	4.0	25		
06	ろく (時)	4.0	26		
07	なな (時・分)	4.0	27	きゅう	(分) 4.0
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	はち (時・分)	4.0	30	無音	200 (ms) 4.0
11	く (時)	4.0	31	じゅっ	(分) 4.0
12	じゅう (時)	4.0	32	にじゅっ	(分) 4.0
13	じゅういち (時)	4.0	33	さんじゅっ	(分) 4.0
14	じゅうに (時)	4.0	34	よんじゅっ	(分) 4.0
15			35	ごじゅっ	(分) 4.0
16	ぜろ (件)	4.0	36		
17	時	4.0	37		
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6373-329 Voice Word Address Corresponding List (for English Time Signal)
 Specification: F_{OSC} = 64kHz, Option G

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	FRI-	4.0	60		
41	SATUR-	4.0	61		
42	-DAY	4.0	62		
43	-TEEN	4.0	63		
44	Set the DAY and TIME	4.0	64		
45	No Voice 30 m sec	4.0	65		
46			66		
47			67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50			70	BEEP Sound Code	
51			71		
52			72		
53			73		
54			74		
55			75		
56			76		
57			77		
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F		

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	SIX-	4.0
01	ONE	4.0	21	SEVEN-	4.0
02	TWO	4.0	22	EIGHT-	4.0
03	THREE	4.0	23	NINE-	4.0
04	FOUR	4.0	24	TWENTY	4.0
05	FIVE	4.0	25	THIRTY	4.0
06	SIX	4.0	26	FORTY	4.0
07	SEVEN	4.0	27	FIFTY	4.0
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	EIGHT	4.0	30	OH	4.0
11	NINE	4.0	31	AM	4.0
12	TEN	4.0	32	PM	4.0
13	ELEVEN	4.0	33	SUN-	4.0
14	TWELVE	4.0	34	MON-	4.0
15	THIR-	4.0	35	TUES-	4.0
16	FOUR-	4.0	36	WEDNES-	4.0
17	FIF-	4.0	37	THURS-	4.0
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6374-006 Voice Word Address Corresponding List (for Japanese Time Signal)
 Specification: F_{OSC} = 64kHz, Option E

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40			60		
41	じゅう	6.4	61		
42	にじゅう	6.4	62		
43	さんじゅう	6.4	63		
44	よんじゅう	6.4	64		
45	ごじゅう	6.4	65		
46			66		
47	件	6.4	67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50			70	BEEP Sound Code	
51	午前	6.4	71		
52	午後	6.4	72		
53	ぶん	6.4	73		
54	ふん	6.4	74		
55	です	6.4	75		
56			76		
57	メモ	6.4	77		
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F		

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	いっ	6.4
01	いち	6.4	21	さん	6.4
02	に	6.4	22	よん	6.4
03	さん	6.4	23	ご	6.4
04	よ	6.4	24	ろっ	6.4
05	こ	6.4	25	なな	6.4
06	ろく	6.4	26	はっ	6.4
07	なな	6.4	27	きゅう	6.4
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	はち	6.4	30		
11	く	6.4	31	じゅっ	6.4
12	じゅう	6.4	32	にじゅっ	6.4
13	じゅういち	6.4	33	さんじゅっ	6.4
14	じゅうに	6.4	34	よんじゅっ	6.4
15	れい	6.4	35	ごじゅっ	6.4
16			36		
17	時	6.4	37		
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6374-007 Voice Word Address Corresponding List (for English Time Signal)
 Specification: F_{OSC} = 64kHz, Option G

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	O'CLOCK	6.4	60		
41	SIX-	6.4	61		
42	SEVEN-	6.4	62		
43	EIGHT-	6.4	63		
44	NINE-	6.4	64		
45	TY-ONE	6.4	65		
46	TY-TWO	6.4	66		
47	TY-THREE	6.4	67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50	OH	6.4	70	BEEP Sound Code	
51	FOR-	6.4	71		
52	TO GO	6.4	72		
53	IT'S	6.4	73		
54	No Voice 50 ms	6.4	74		
55	No Voice 200 ms	6.4	75		
56	AM	6.4	76		
57	PM	6.4	77		
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F		

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	TY-FOUR	6.4
01	ALARM	6.4	21	TY-FIVE	6.4
02	SETTING	6.4	22	TY-SIX	6.4
03	ON	6.4	23	TY-SEVEN	6.4
04	OFF	6.4	24	TY-EIGHT	6.4
05	HOUR	6.4	25	TY-NINE	6.4
06	MINUTE	6.4	26	-TY	6.4
07	SECOND	6.4	27	-TEEN	6.4
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	NINE	6.4	30	ONE	6.4
11	TEN	6.4	31	TWO	6.4
12	ELEVEN	6.4	32	THREE	6.4
13	TWELVE	6.4	33	FOUR	6.4
14	ZERO-	6.4	34	FIVE	6.4
15	TWEN-	6.4	35	SIX	6.4
16	THIR-	6.4	36	SEVEN	6.4
17	FIF-	6.4	37	EIGHT	6.4
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6374-519 Voice Word Address Corresponding List (for Japanese Time Signal)
 Specification: F_{OSC} = 53kHz, Option A

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	日	5.3	60	BEEP音 (64 ms, 883 Hz)	5.3			
41	月	5.3	61	BEEP音 (128 ms, 883 Hz)	5.3			
42	火	5.3	62					
43	水	5.3	63					
44	木	5.3	64					
45	金	5.3	65					
46	土	5.3	66					
47	曜日	5.3	67					
48	シャープ	5.3	68					
49	アスター	5.3	69					
4A	ポーズ	5.3	6A					
4B	PB	5.3	6B					
4C			6C					
4D			6D					
4E			6E					
4F			6F					
50	無音	50 (ms)	70	BEEP Sound Code				
51	ゼロ	(件)	71					
52	伝言		72					
53	件		73					
54	し	(月)	74					
55	月	(がつ)	75					
56	日	(にち)	76					
57	しち	(月)	77					
58			78	Test Code				
59			79					
5A	只今留守しております	5.3	7A					
5B	後ほどおかけ直し下さい	5.3	7B					
5C	ピーという音の後に話して下さい	5.3	7C					
5D			7D					
5E			7E					
5F			7F					

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	無音	100 (ms)
01	いち (月、日、時、秒)	5.3	21	じゅっ (10分、件)	5.3
02	に (時、2分、件)	5.3	22	に (20分、秒)	5.3
03	ざん (時)	5.3	23		
04	よ (時)	5.3	24		
05	ご (月、日、時、分、秒、件)	5.3	25	こ (50分、秒)	5.3
06	ろく (月、日、時、秒)	5.3	26	じゅっ (20.30.40分)	5.3
07	なな (月、日、時、分、秒、件)	5.3	27	じゅう (20.30.40秒)	5.3
08	はち (月、日、時、分、秒、件)	5.3	28	午前	5.3
09	く (月、日、時)	5.3	29	午後	5.3
0A	じゅう (月、日、10時、10秒)	5.3	2A	時	5.3
0B	じゅういち (月、日、時、秒)	5.3	2B	ぶん	5.3
0C	じゅうに (月、日、時、分、秒、件)	5.3	2C	ぶん	5.3
0D			2D	秒	5.3
0E			2E	です	5.3
0F			2F		
10	れい (時、分、秒)	5.3	30	無音	30 (ms)
11	いっ (分、件)	5.3	31	じゅう~ (11~19分、件)	5.3
12			32	に (月、日、21~29分、2秒)	5.3
13	さん(月、日、3、13、23、30~39分、秒、件)	5.3	33		
14	よん(日、4、14、24、40~49分、秒、件)	5.3	34		
15			35	ごじゅう~ (51~59分、秒)	5.3
16	ろっ (分、件)	5.3	36	じゅう~ (21~29、31~39、41~49分、秒)	5.3
17			37		
18			38		
19	きゅう (分、秒、件)	5.3	39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

M6374-519 Voice Word Address Concatenation Examples

0時 0分です (10) (2A) (21)	(10) (2C) (2E)		0時 30分です (10) (2A) (13) (26)	(2B) (2E) 30秒 (13) (27) (2D)
1時 1分です (01) (") (")	1秒 (01) (2D)		1時 31分です (01) (") (") (36)	(11) (2B) (") 31秒 (13) (36) (01) (2D)
2時 2分です (02) (") (")	2秒 (32) (2D)		2時 32分です (02) (") (") (") (02)	(02) (2C) (") 32秒 (13) (36) (32) (2D)
3時 3分です (03) (") (")			3時 33分です (03) (") (") (") (") (13)	(13) (2B) (") (")
4時 4分です (04) (") (")			4時 34分です (04) (") (") (") (") (14)	(14) (2B) (") (")
5時 5分です (05) (") (")			5時 35分です (05) (") (") (") (") (05)	(05) (2C) (") (")
6時 6分です (06) (") (")	6秒 (06) (2D)		6時 36分です (06) (") (") (") (") (16)	(16) (2B) (") 36秒 (13) (36) (06) (2D)
7時 7分です (07) (") (")			7時 37分です (07) (") (") (") (") (07)	(07) (2C) (") (")
8時 8分です (08) (") (")			8時 38分です (08) (") (") (") (") (08)	(08) (2C) (") (")
9時 9分です (09) (") (")			9時 39分です (09) (") (") (") (") (19)	(19) (2C) (") (")
10時 10分です (0A) (2A) (21)	(2B) (2E) 10秒 (0A) (2D)		0時 40分です (10) (2A) (14) (26)	(2B) (2E) 40秒 (14) (27) (2D)
11時 11分です (0B) (") (31)	11秒 (0B) (2D)		1時 41分です (01) (") (") (36)	(11) (2B) (") 41秒 (14) (36) (01) (25)
12時 12分です (0C) (") (0C)	(2C) (") (")		2時 42分です (02) (") (") (") (") (02)	(02) (2C) (") 42秒 (14) (36) (32) (2D)
3時 13分です (03) (") (31)	(13) (2B) (") (")		3時 43分です (03) (") (") (") (") (13)	(13) (2B) (") (")
4時 14分です (04) (") (") (")	(14) (2B) (") (")		4時 44分です (04) (") (") (") (") (14)	(14) (2B) (") (")
5時 15分です (05) (") (") (")	(05) (2C) (") (")		5時 45分です (05) (") (") (") (") (05)	(05) (2C) (") (")
6時 16分です (06) (") (") (")	(16) (2B) (") 16秒 (31) (06) (2D)		6時 46分です (06) (") (") (") (") (16)	(16) (2B) (") 46秒 (14) (36) (06) (2D)
7時 17分です (07) (") (") (")	(07) (2C) (") (")		7時 47分です (07) (") (") (") (") (07)	(07) (2C) (") (")
8時 18分です (08) (") (") (")	(08) (2C) (") (")		8時 48分です (08) (") (") (") (") (08)	(08) (2C) (") (")
9時 19分です (09) (") (") (")	(19) (2C) (") (")		9時 49分です (09) (") (") (") (") (19)	(19) (2C) (") (")
0時 20分です (10) (2A) (22) (26)	(2B) (2E) 20秒 (22) (27) (2D)		0時 50分です (10) (2A) (25) (26)	(2B) (2E) 50秒 (25) (27) (2D)
1時 21分です (01) (") (32) (36)	(11) (2B) (") 21秒 (32) (36) (01) (2D)		1時 51分です (01) (") (") (35)	(11) (2B) (") 51秒 (35) (01) (2D)
2時 22分です (02) (") (") (") (") (02)	(02) (2C) (") 22秒 (32) (36) (32) (2D)		2時 52分です (02) (") (") (") (") (02)	(02) (2C) (") 52秒 (35) (32) (2D)
3時 23分です (03) (") (") (") (") (13)	(13) (2B) (") (")		3時 53分です (03) (") (") (") (") (13)	(13) (2B) (") (")
4時 24分です (04) (") (") (") (") (14)	(14) (2B) (") (")		4時 54分です (04) (") (") (") (") (14)	(14) (2B) (") (")
5時 25分です (05) (") (") (") (") (05)	(05) (2C) (") (")		5時 55分です (05) (") (") (") (") (05)	(05) (2C) (") (")
6時 26分です (06) (") (") (") (") (16)	(16) (2B) (") 26秒 (32) (36) (06) (2D)		6時 56分です (06) (") (") (") (") (16)	(16) (2B) (") 56秒 (35) (06) (2D)
7時 27分です (07) (") (") (") (") (07)	(07) (2C) (") (")		7時 57分です (07) (") (") (") (") (07)	(07) (2C) (") (")
8時 28分です (08) (") (") (") (") (08)	(08) (2C) (") (")		8時 58分です (08) (") (") (") (") (08)	(08) (2C) (") (")
9時 29分です (09) (") (") (") (") (19)	(19) (2C) (") (")		9時 59分です (09) (") (") (") (") (19)	(19) (2C) (") (")

1月 1日 (01) (55) (01) (56)
2月 2日 (32) (55) (32) (56)
3月 3日 (13) (55) (13) (56)
4月 4日 (54) (55) (14) (56)
5月 5日 (05) (55) (05) (56)
6月 6日 (06) (55) (06) (56)
7月 7日 (57) (55) (07) (56)
8月 8日 (08) (55) (08) (56)
9月 9日 (09) (55) (09) (56)
10月 10日 (0A) (55) (0A) (56)
11月 11日 (0B) (55) (0B) (56)
12月 12日 (0C) (55) (0C) (56)

MSM6374-544 Voice Word Address Corresponding List (for English Time Signal)
 Specification: F_{OSC} = 64kHz, Option G

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	EIGHT-	6.4	60	SUN-	6.4
41	NINE-	6.4	61	MON-	6.4
42	TWEN-	6.4	62	TUES-	6.4
43	THIR-	6.4	63	WEDNES-	6.4
44	FOR-	6.4	64	THURS-	6.4
45	FIF-	6.4	65	FRI-	6.4
46	SIX-	6.4	66	SATUR-	6.4
47	SEVEN-	6.4	67	-DAY	6.4
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50	IT'S	6.4	70	BEEP Sound Code	
51	O'CLOCK	6.4	71		
52	AM	6.4	72		
53	PM	6.4	73		
54	SET	6.4	74		
55	DATA	6.4	75		
56	TIME	6.4	76		
57			77		
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F		

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	-TY	6.4
01	ONE	6.4	21	TY-ONE	6.4
02	TWO	6.4	22	TY-TWO	6.4
03	THREE	6.4	23	TY-THREE	6.4
04	FOUR	6.4	24	TY-FOUR	6.4
05	FIVE	6.4	25	TY-FIVE	6.4
06	SIX	6.4	26	TY-SIX	6.4
07	SEVEN	6.4	27	TY-SEVEN	6.4
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	EIGHT	6.4	30	TY-EIGHT	6.4
11	NINE	6.4	31	TY-NINE	6.4
12	TEN	6.4	32	OH	6.4
13	ELEVEN	6.4	33	TEEN	6.4
14	TWELVE	6.4	34	TEEN	6.4
15	ZERO	6.4	35	No Voice 200 ms	6.4
16	No Voice 50 ms	6.4	36	No Voice 200 ms	6.4
17	No Voice 50 ms	6.4	37	No Voice 200 ms	6.4
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6374-545 Voice Word Address Corresponding List (for Chinese Time Signal)
 Specification: F_{OSC} = 64kHz, Option G

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	無聲音 200ms	4.0	60		
41	無聲音 50ms	4.0	61		
42	無聲音 30ms	4.0	62		
43			63		
44	早上	6.4	64		
45	下手	6.4	65		
46			66		
47	分	6.4	67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50	鐘聲	6.4	70	BEEP Sound Code	
51			71		
52			72		
53			73		
54			74		
55			75		
56			76		
57			77		
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F		

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	1 (分)	6.4
01	1 (時)	6.4	21	2 (分)	6.4
02	2 (時)	6.4	22	3 (分)	6.4
03	3 (時)	6.4	23	4 (分)	6.4
04	4 (時)	6.4	24	5 (分)	6.4
05	5 (時)	6.4	25	6 (分)	6.4
06	6 (時)	6.4	26	7 (分)	6.4
07	7 (時)	6.4	27	8 (分)	6.4
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	8 (時)	6.4	30	9 (分)	6.4
11	9 (時)	6.4	31		
12	10 (時)	6.4	32	0 (分)	6.4
13	11 (時)	6.4	33	10 (分、例如1×分)	6.4
14	12 (時)	6.4	34	2 (分、例如2×分)	6.4
15			35	3 (分、例如3×分)	6.4
16			36	4 (分、例如4×分)	6.4
17	點	6.4	37	5 (分、例如5×分)	6.4
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6374-553 Voice Word Address Corresponding List (for Japanese Time Signal)
 Specification: F_{OSC} = 64kHz, Option G

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40			60		
41	じゅう	6.4	61		
42	にじゅう	6.4	62		
43	さんじゅう	6.4	63		
44	よんじゅう	6.4	64		
45	ごじゅう	6.4	65		
46			66		
47	件	6.4	67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50			70	BEEP Sound Code	
51	午前	6.4	71		
52	午後	6.4	72		
53	ぶん	6.4	73		
54	ぶん	6.4	74		
55	です	6.4	75		
56			76		
57	メモ	6.4	77	Test Code	
58			78		
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F		

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	いっ	6.4
01	いち (時)	6.4	21	さん	6.4
02	に (時、分)	6.4	22	よん	6.4
03	さん (時)	6.4	23	ご	6.4
04	よ (時)	6.4	24	ろっ	6.4
05	ご (時)	6.4	25	なな	6.4
06	ろく (時)	6.4	26	はっ	6.4
07	なな (時)	6.4	27	きゅう	6.4
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	はち (時)	6.4	30		
11	く (時)	6.4	31	じゅう	6.4
12	じゅう (時)	6.4	32	にじゅう	6.4
13	じゅういち (時)	6.4	33	さんじゅう	6.4
14	じゅうに (時)	6.4	34	よんじゅう	6.4
15	れい (時)	6.4	35	ごじゅう	6.4
16			36		
17	時	6.4	37		
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6650 family general-purpose ROM codes

MSM6653-301 Edit ROM Address Corresponding List (for Demonstration)
Specification: Option C

X address	Voice word
00	—
01	Pekingese (0.8 kHz) 0.5 sec English (0.8 kHz) 0.5 sec German (0.8 kHz) 0.5 sec French (0.8 kHz) 0.5 sec
02	Spanish (0.8 kHz) 0.5 sec Korean (0.8 kHz) 0.5 sec Japanese (0.8 kHz) 0.5 sec Italian (0.8 kHz) 0.5 sec
03	Pekingese (10.6 kHz) 0.5 sec (8.0 kHz) 0.5 sec (5.3 kHz)
04	English (10.6 kHz) 0.5 sec (8.0 kHz) 0.5 sec (5.3 kHz)
05	German (10.6 kHz) 0.5 sec (8.0 kHz) 0.5 sec (5.3 kHz)
06	French (10.6 kHz) 0.5 sec (8.0 kHz) 0.5 sec (5.3 kHz)
07	Spanish (10.6 kHz) 0.5 sec (8.0 kHz) 0.5 sec (5.3 kHz)
08	Korean (10.6 kHz) 0.5 sec (8.0 kHz) 0.5 sec (5.3 kHz)
09	Japanese (10.6 kHz) 0.5 sec (8.0 kHz) 0.5 sec (5.3 kHz)
0A	Italian (10.6 kHz) 0.5 sec (8.0 kHz) 0.5 sec (5.3 kHz)
0B	Pekingese (8.0 kHz) (Fade-out, 4 times)
0C	English (8.0 kHz) (Fade-out, 4 times)
0D	German (8.0 kHz) (Fade-out, 4 times)
0E	French (8.0 kHz) (Fade-out, 4 times)
0F	Spanish (8.0 kHz) (Fade-out, 4 times)
10	Korean (8.0 kHz) (Fade-out, 4 times)
11	Japanese (8.0 kHz) (Fade-out, 4 times)
12	Italian (8.0 kHz) (Fade-out, 4 times)
13	Pekingese (8.0 kHz) (Echo)
14	English (8.0 kHz) (Echo)
15	German (8.0 kHz) (Echo)
16	French (8.0 kHz) (Echo)
17	Spanish (8.0 kHz) (Echo)
18	Korean (8.0 kHz) (Echo)
19	Japanese (8.0 kHz) (Echo)
1A	Italian (8.0 kHz) (Echo)
1B	Pekingese (10.6 kHz)
1C	Pekingese (8.0 kHz)
1D	Pekingese (5.3 kHz)
1E	English (10.6 kHz)
1F	English (8.0 kHz)

MSM6653-301 Edit ROM Address Corresponding List (for Demonstration)
Specification: Option C

(Continued)

X address	Voice word
20	English (5.3 kHz)
21	German (10.6 kHz)
22	German (8.0 kHz)
23	German (5.3 kHz)
24	French (10.6 kHz)
25	French (8.0 kHz)
26	French (5.3 kHz)
27	Spanish (10.6 kHz)
28	Spanish (8.0 kHz)
29	Spanish (5.3 kHz)
2A	Korean (10.6 kHz)
2B	Korean (8.0 kHz)
2C	Korean (5.3 kHz)
2D	Japanese (10.6 kHz)
2E	Japanese (8.0 kHz)
2F	Japanese (5.3 kHz)
30	Italian (10.6 kHz)
31	Italian (8.0 kHz)
32	Italian (5.3 kHz)

MSM6653-301 Voice Word Address Corresponding List (for Demonstration)

Y address	Voice word		Playback method	Frequency [kHz]
00	—		—	—
01	Pekingese 2-A	(Female)	ADPCM	10.6
02	Pekingese 2-A	(Female)	ADPCM	8.0
03	Pekingese 2-A	(Female)	ADPCM	5.3
04	English 2-B	(Female)	ADPCM	10.6
05	English 2-B	(Female)	ADPCM	8.0
06	English 2-B	(Female)	ADPCM	5.3
07	German 2-A	(Male)	ADPCM	10.6
08	German 2-A	(Male)	ADPCM	8.0
09	German 2-A	(Male)	ADPCM	5.3
0A	French 2-A	(Female)	ADPCM	10.6
0B	French 2-A	(Female)	ADPCM	8.0
0C	French 2-A	(Female)	ADPCM	5.3
0D	Spanish 2-A	(Male)	ADPCM	10.6
0E	Spanish 2-A	(Male)	ADPCM	8.0
0F	Spanish 2-A	(Male)	ADPCM	5.3
10	Korean 2-A	(Female)	ADPCM	10.6
11	Korean 2-A	(Female)	ADPCM	8.0
12	Korean 2-A	(Female)	ADPCM	5.3
13	Japanese 2-A	(Female)	ADPCM	10.6
14	Japanese 2-A	(Female)	ADPCM	8.0
15	Japanese 2-A	(Female)	ADPCM	5.3
16	Italian 2-C	(Female)	ADPCM	10.6
17	Italian 2-C	(Female)	ADPCM	8.0
18	Italian 2-C	(Female)	ADPCM	5.3

MSM6654-405 Editing ROM Address Corresponding List (for Demonstration)
 Specification: Option C

Address	Voice word	Remarks
X00	—	No voice phrase
X01	Y01+Y02+Y03+Y04+Y05+Y06	
X02	(F4) Y07	(F4) Fade-out + four repetitions
X03	(E) Y08	(E) Echo (No. 1)
X04	(E) Y08	(E) Echo (No. 2)
X05	(E) Y08	(E) Echo (No. 3)
X06	(2) Y09+<Beep tone (4 times)>	(2) Two repetitions
X07	(F4) (4) (E) Y08 (BGM) Y0D+Y0A	Phrase playback, with a melody to be repeated four times as BGM, then an echo playback
X08	(F4) Y07	
X09	(F4) (F4) (F4) Y0E+Y0F+Y10	
X0A	(F4) (F4) Y07+Y07	
X0B	Y0B+Y0C	
X0C	Y0A+Y0D	(4) Four repetitions
X0D	Y06	
X0E	(F2) Y09+<Beep tone (4 times)>	(F2) Fade-out + two repetitions
X0F	—	
X10	—	No voice phrase
X11	Y01	
X12	Y0A	
X13	Y02	
X14	Y01	
X15	Y03	
X16	Y04	
X17	Y05	

MSM6654-405 Edit ROM Address Corresponding List (for Demonstration)
 Specification: Option C

(Continued)

Address	Voice word	Remarks
X18	Y0C	
X19	Y06	
X1A	Y0A	
X1B	Y07	
X1C	Y0B	
X1D	Y0E	
X1E	Y0C	
X1F	Y0F	
X20	—	No voice phrase
X21	Y08	
X22	Y09	
X23	Y0B	
X24	Y0A	
X25	Y0E	
X26	Y0F	
X27	Y10	
X28	Y02	
X29	Y03	
X2A	Y04	
X2B	Y05	
X2C	Y06	
X2D	Y07	
X2E	Y08	
X2F	Y09	

MSM6654-405 Voice Word Address Corresponding List (for Demonstration)

Address	Voice phrase contents
Y00	—
Y01	5種類のサンプリング周波数による音の違いをお聞き下さい。(Voice)
Y02	4 kHz (Voice) + <music>
Y03	5.3 kHz (Voice) + <music>
Y04	6.4 kHz (Voice) + <music>
Y05	8 kHz (Voice) + <music>
Y06	16 kHz (Voice) + <music>
Y07	フェードアウト機能 (Voice)
Y08	2チャンネルミキシング機能 (Voice)
Y09	ピープ音 (Voice)
Y0A	メロディ機能 (Voice)
Y0B	PCM (Voice)
Y0C	<1kHz sinusoidal wave (0.5 second) >
Y0D	<Melody sound (cuckoo) >
Y0E	<500 Hz sinusoidal wave (0.3 second) >
Y0F	<500 Hz sinusoidal wave (0.3 second) >
Y10	<500 Hz sinusoidal wave (0.1 second) >

MSM6654-410 Edit ROM Address Corresponding List (for Demonstration)
Specification: Option A

X address	Voice word
00	—
01	"ありがとう ありがとう ありがとう" (0.5 second between phrases)
02	"Thanks a lot Thanks a lot Thanks a lot" (0.5 second between phrases)
03	"ありがとう" (Echo)
04	"Thanks a lot" (Echo)
05	"ありがとう" (Fade-out, 4 times)
06	"Thanks a lot" (Fade-out, 4 times)
07	"Beep Beep Beep Explosion sound" (Silence for 1 second between phrases)
08	"rring, rring, . . ." (Fade-in, 3 times) "申し訳ございません。ただ今席をはずしております。"
09	(Doorbell sound) (Echo) "上へまいります。"
0A	(Doorbell sound) (Echo) "下へまいります。"
0B	"ありがとう" ($f_s=10.6\text{kHz}$)
0C	"ありがとう" ($f_s=8.0\text{kHz}$)
0D	"ありがとう" ($f_s=5.3\text{kHz}$)
0E	"Thanks a lot" ($f_s=10.6\text{kHz}$)
0F	"Thanks a lot" ($f_s=8.0\text{kHz}$)
10	"Thanks a lot" ($f_s=5.3\text{kHz}$)
11	"Beep" (Sound effects)
12	(Explosion sound)
13	"rring, rring, . . ." (Telephone bell sound)
14	"申し訳ございません。"
15	"ただ今席をはずしております。"
16	(Doorbell sound)
17	"上へまいります。"
18	"下へまいります。"

MSM6654-410 Voice Word Address Corresponding List (for Demonstration)

Y address	Voice word	Playback method	Frequency [kHz]
00	—	—	—
01	"ありがとう"	ADPCM	10.6
02	"ありがとう"	ADPCM	8.0
03	"ありがとう"	ADPCM	5.3
04	"Thanks a lot"	ADPCM	10.6
05	"Thanks a lot"	ADPCM	8.0
06	"Thanks a lot"	ADPCM	5.3
07	"Beep" (Sound effects)	ADPCM	10.6
08	(Explosion sound)	ADPCM	10.6
09	"rring, rring, . . ." (Telephone bell sound)	ADPCM	10.6
0A	"申し訳ございません。"	ADPCM	10.6
0B	"ただ今席を外しております。"	ADPCM	10.6
0C	(Doorbell sound)	ADPCM	10.6
0D	"上へまいります。"	ADPCM	10.6
0E	"下へまいります。"	ADPCM	10.6

MSM6656-601 Edit ROM Address Corresponding List (for Demonstration)
Specification: Option C

X address	Voice word
01	"4種類のサンプリング周波数による、音の違いをお聞き下さい。 16 kHz <Music> 8 kHz <Music> 6.4 kHz <Music> 5.3 kHz <Music>"
02	"ADPCM ' キャー ' <A female's scream> PCM ' キャー ' <A female's scream> (Playback method: PCM)"
03	"フェードアウト機能 " <Cuckoo sound> (4 times)"
04	"2チャンネルミキシング機能 ' エコーですね。 ' (echo) ' このようにBGMをかけることも出来ます。 ' (with BGM)"
05	"ビープ音 'Beep Beep Beep Beep' (Edit ROM)"
06	<Melody>
07	"16 kHz <Music>"
08	"8 kHz <Music>"
09	"6.4 kHz <Music>"
0A	"5.3 kHz <Music>"

MSM6656-603 Edit ROM Address Corresponding List (for Demonstration)
Specification: Option C

X address	Voice word
01	"One can hear four different sounds by using four kinds of sampling frequency. 16 kHz <MUSIC> 8 kHz <MUSIC> 6.4 kHz <MUSIC> 5.3 kHz <MUSIC>"
02	"ADPCM <A female's scream> PCM <A female's scream>"
03	"Fade-out function <a cuckoo sound> (4 times)"
04	"2-channel mixing 'Echo sounds' (with echo) 'Background music is also produced by mixing various kinds of sounds' (with BGM)"
05	"Beep tone <Beep Beep Beep Beep>"
06	"Melody 'Happy Birthday' "
07	"16 kHz <MUSIC>"
08	"8 kHz <MUSIC>"
09	"6.4 kHz <MUSIC>"
0A	"5.3 kHz <MUSIC>"

MSM6658A-800 Edit ROM Address Corresponding List (for Demonstration)
 Specification: Option A

X address	Voice word	
00	—	—
01	"32 kHz <Music>"	Japanese
02	"16 kHz <Music>"	Japanese
03	"12.8 kHz <Music>"	Japanese
04	"10.6 kHz <Music>"	Japanese
05	"8 kHz <Music>"	Japanese
06	"6.4 kHz <Music>"	Japanese
07	"5.3 kHz <Music>"	Japanese
08	"ADPCM <A female's scream> (Playback method: ADPCM) PCM <A female's scream> (Playback method: PCM)"	Japanese
09	"フェードアウト機能 <Cuckoo sound> (Four repetitions. Fade-out)"	Japanese
0A	"2チャンネルミキシング機能 'エコーですね。' (echo) 'このようにBGMをかけることも出来ます' (with BGM)"	Japanese
0B	"ビーブ音 <Beep tone>"	Japanese
0C	"メロディ <Melody>"	Japanese
0D		
0E		
0F		
10		
11	"32 kHz <Music>"	English
12	"16 kHz <Music>"	English
13	"12.8 kHz <Music>"	English
14	"10.6 kHz <Music>"	English
15	"8 kHz <Music>"	English
16	"6.4 kHz <Music>"	English
17	"5.3 kHz <Music>"	English
18	"ADPCM <A feamale's scream> (Playback method: ADPCM) PCM <A feamale's scream> (Playback method: PCM)"	English
19	"Fade-out function. <Cuckoo sound> (Four repetitions. Fade-out)"	English
1A	"2-Channel Mixing 'Echo sounds' (Echo) 'Back ground music is also produced by mixing various kinds of sounds' (with BGM)"	English
1B	"Beep tone <Beep tone>"	English
1C	"Melody <Melody>"	English

MSM6658A-800 Voice Word Address Corresponding List (for Demonstration)

Y address	Voice word		Playback method	Frequency [kHz]
00	—		—	—
01	32 kHz	Japanese	ADPCM	32.0
02	16 kHz	Japanese	ADPCM	16.0
03	12.8 kHz	Japanese	ADPCM	12.8
04	10.6 kHz	Japanese	ADPCM	10.6
05	8 kHz	Japanese	ADPCM	8.0
06	6.4 kHz	Japanese	ADPCM	6.4
07	5.3 kHz	Japanese	ADPCM	5.3
08	ADPCM	Japanese	ADPCM	6.4
09	PCM	Japanese	ADPCM	6.4
0A	フェードアウト機能	Japanese	ADPCM	6.4
0B	2チャンネルミキシング	Japanese	ADPCM	6.4
0C	エコーですね	Japanese	ADPCM	6.4
0D	このようにBGMをかけることも出来ます	Japanese	ADPCM	6.4
0E	ビーブ音	Japanese	ADPCM	6.4
0F	メロディ	Japanese	ADPCM	6.4
10	32 kHz	English	ADPCM	32.0
11	16 kHz	English	ADPCM	16.0
12	12.8 kHz	English	ADPCM	12.8
13	10.6 kHz	English	ADPCM	10.6
14	8 kHz	English	ADPCM	8.0
15	6.4 kHz	English	ADPCM	6.4
16	5.3 kHz	English	ADPCM	5.3
17	ADPCM	English	ADPCM	6.4
18	PCM	English	ADPCM	6.4
19	Fede-out function	English	ADPCM	6.4
1A	2-channel Mixing	English	ADPCM	6.4
1B	Echo Sound	English	ADPCM	6.4
1C	Background music is also produced by mixing various kinds of sounds	English	ADPCM	6.4
1D	Beep Tone	English	ADPCM	6.4
1E	Melody	English	ADPCM	6.4
1F	<Music (32.0 kHz)>		ADPCM	32.0

MSM6658A-800 Voice Word Address Corresponding List (for Demonstration)

(Continued)

Y address	Voice word	Playback method	Frequency [kHz]
20	<Music> (16.0 kHz)	ADPCM	16.0
21	<Music> (12.8 kHz)	ADPCM	12.8
22	<Music> (10.8 kHz)	ADPCM	10.6
23	<Music> (8.0 kHz)	ADPCM	8.0
24	<Music> (6.4 kHz)	ADPCM	6.4
25	<Music> (5.3 kHz)	ADPCM	5.3
26	<A female's scream> (playback method: ADPCM)	ADPCM	10.6
27	<A female's scream> (playback method: PCM)	PCM	10.6
28	<Cuckoo sound>	ADPCM	8.0
29	<BGM>	ADPCM	6.4
2A	<Melody>	ADPCM	8.0

MSM6596A series general-purpose ROM codes**Contents of MSM6596A-900 addresses**

Address	Contents
01 to 2F	MSM6374-007 (Time stamp)
30 to 57	MSM6596-600 (Only time stamp)
58 to 5F	Japanese week day
60 to 6F	Greetings in eight languages
70 to 73	ADPCM long-change phrases (Japanese/English)
74 to 76	Effect sound
77 to 79	Animal voice

Greetings in eight languages at addresses 60 to 6F

Address	Contents
Chinese (60)	你好
Chinese (61)	再見
English (62)	Hello
English (63)	Good-by
German (64)	Guten tag
German (65)	Aufwiedersehen
French (66)	Bonjour Monsieur
French (67)	Au revoir Monsieur
Spanish (68)	Buenos dias
Spanish (69)	Adios
Korean (6A)	안녕하십니까?
Korean (6B)	안녕하 가십시오.
Japanese (6C)	こんにちは
Japanese (6D)	さようなら
Italian (6E)	Buongiorno Signore
Italian (6F)	Arrivederla Sibnore

MSM6596A-900 address list (time stamp and demonstration) 1/4

	Address for evaluation	Voice word	M6388 and M6588 start address	M6388 stop address and M6588 upper stop address	M6588 lower stop address	ADPC M length (Bit)	fs (kHz)	Playback time (Seconds)
No. 1	01	ALARM	0	B	71	4	6.4	0.48
No. 2	02	SETTING	C	16	4B	4	6.4	0.42
No. 3	03	ON	17	1E	55	4	6.4	0.31
No. 4	04	OFF	1F	25	67	4	6.4	0.27
No. 5	05	HOUR	26	2E	67	4	6.4	0.35
No. 6	06	MINUTE	2F	37	35	4	6.4	0.34
No. 7	07	SECOND	38	41	0B	4	6.4	0.36
No. 8	08	NINE	42	4D	0D	4	6.4	0.44
No. 9	09	TEN	4E	56	31	4	6.4	0.34
No.10	0A	ELEVEN	57	65	37	4	6.4	0.58
No.11	0B	TWELVE	66	70	47	4	6.4	0.42
No.12	0C	ZERO	71	7F	09	4	6.4	0.56
No.13	0D	TWEN-	80	85	33	4	6.4	0.22
No.14	0E	THIR-	86	8A	57	4	6.4	0.19
No.15	0F	FIF-	8B	90	47	4	6.4	0.22
No.16	10	TY-FOUR	91	A2	0D	4	6.4	0.68
No.17	11	TY-FIVE	A3	B6	47	4	6.4	0.78
No.18	12	TY-SIX	B7	C6	5B	4	6.4	0.63
No.19	13	TY-SEVEN	C7	D6	01	4	6.4	0.60
No.20	14	TY-EIGHT	D7	E6	4B	4	6.4	0.62
No.21	15	TY-NINE	E7	F6	6B	4	6.4	0.63
No.22	16	-TY	F7	FD	2B	4	6.4	0.25
No.23	17	-TEEN	FE	106	3D	4	6.4	0.34
No.24	18	ONE	107	110	39	4	6.4	0.38
No.25	19	TWO	111	118	1B	4	6.4	0.29
No.26	1A	THREE	119	121	01	4	6.4	0.32
No.27	1B	FOUR	122	12B	0D	4	6.4	0.36
No.28	1C	FIVE	12C	135	4B	4	6.4	0.38
No.29	1D	SIX	136	140	2D	4	6.4	0.41
No.30	1E	SEVEN	141	14A	51	4	6.4	0.39
No.31	1F	EIGHT	14B	152	2B	4	6.4	0.29
No.32	20	O'CLOCK	153	163	35	4	6.4	0.66
No.33	21	SIX-	164	16B	73	4	6.4	0.32
No.34	22	SEVEN-	16C	176	05	4	6.4	0.40
No.35	23	EIGHT-	177	17D	2B	4	6.4	0.25
No.36	24	NINE-	17E	186	11	4	6.4	0.33

MSM6596A-900 address list (time stamp and demonstration) 2/4

	Address for evaluation	Voice word	M6388 and M6588 start address	M6388 stop address and M6588 upper stop address	M6588 lower stop address	ADPC M length (Bit)	fs (kHz)	Playback time (Seconds)
No.37	24	TY-ONE	187	196	0F	4	6.4	0.58
No.38	25	TY-TWO	197	1A6	45	4	6.4	0.58
No.39	26	TY-THREE	1A7	1B7	3B	4	6.4	0.58
No.40	27	OH	1B8	1BF	65	4	6.4	0.58
No.41	28	FOR-	1C0	1C6	31	4	6.4	0.58
No.42	2A	TO GO	1C7	1D4	29	4	6.4	0.58
No.43	2B	IT'S	1D5	1DC	11	4	6.4	0.58
No.44	2C	Silence 50 ms	1DD	1DE	1D	4	6.4	0.58
No.45	2D	Silence 200 ms	1DF	1E3	7D	4	6.4	0.58
No.46	2E	AM	1E4	1F2	55	4	6.4	0.58
No.47	2F	PM	1F3	201	73	4	6.4	0.58
No.48	30	午前	202	212	5D	4	6.4	0.58
No.49	31	午後	213	221	31	4	6.4	0.58
No.50	32	メモ	222	22D	27	4	6.4	0.45
No.51	33	れい (Hours)	22E	239	27	4	6.4	0.45
No.52	34	いち (Hours)	23A	244	74	4	6.4	0.44
No.53	35	に (Hours and minutes)	245	24C	33	4	6.4	0.30
No.54	36	さん (Hours)	24D	257	0F	4	6.4	0.40
No.55	37	よ (Hours)	258	25F	01	4	6.4	0.28
No.56	38	ご (Hours)	260	266	4F	4	6.4	0.26
No.57	39	ろく (Hours)	267	271	43	4	6.4	0.42
No.58	3A	なな (Hours)	272	27C	39	4	6.4	0.42
No.59	3B	はち (Hours)	27D	288	27	4	6.4	0.45
No.60	3C	く (Hours)	289	28F	1D	4	6.4	0.25
No.61	3D	じゅう (Hours)	290	29A	57	4	6.4	0.43
No.62	3E	じゅういち (Hours)	29B	2AF	25	4	6.4	0.81
No.63	3F	じゅうに (Hours)	2B0	2BF	15	4	6.4	0.61
No.64	40	時	2C0	2C4	5F	4	6.4	0.19
No.65	41	じゅう	2C5	2D0	21	4	6.4	0.45
No.66	42	にじゅう	2D1	2DF	0D	4	6.4	0.56
No.67	43	さんじゅう	2E0	2F0	27	4	6.4	0.65
No.68	44	よんじゅう	2F1	301	7B	4	6.4	0.68
No.69	45	ごじゅう	302	30F	1F	4	6.4	0.53
No.70	46	いっ (Minutes)	310	319	5F	4	6.4	0.39
No.71	47	さん (Minutes)	31A	323	69	4	6.4	0.39
No.72	48	よん (Minutes)	324	32D	23	4	6.4	0.37
No.73	49	ご (Minutes)	32E	335	79	4	6.4	0.32
No.74	4A	ろっ (Minutes)	336	33F	13	4	6.4	0.37

MSM6596A-900 address list (time stamp and demonstration) 3/4

	Address for evaluation	Voice word	M6388 and M6588 start address	M6388 stop address and M6588 upper stop address	M6588 lower stop address	ADPC M length (Bit)	fs (kHz)	Playback time (Seconds)
No.75	4B	なな (Minutes)	340	34A	3B	4	6.4	0.42
No.76	4C	はっ (Minutes)	34B	354	2D	4	6.4	0.37
No.77	4D	きゅう (Minutes)	355	35D	07	4	6.4	0.32
No.78	4E	じゅっ (Minutes)	35E	368	6F	4	6.4	0.44
No.79	4F	にじゅっ (Minutes)	369	377	19	4	6.4	0.57
No.80	50	さんじゅっ (Minutes)	378	388	77	4	6.4	0.68
No.81	51	よんじゅっ (Minutes)	389	39A	37	4	6.4	0.70
No.82	52	ごじゅっ (Minutes)	39B	3A8	53	4	6.4	0.55
No.83	53	ぜろ	3A9	3B3	11	4	6.4	0.41
No.84	54	ふん	3B4	3BC	33	4	6.4	0.34
No.85	55	ぷん	3BD	3C5	4D	4	6.4	0.34
No.86	56	件	3C6	3CF	31	4	6.4	0.38
No.87	57	です	3D0	3D4	37	4	6.4	0.18
No.88	58	月	3D5	3DF	35	4	6.4	0.42
No.89	59	火	3E0	3E5	3D	4	6.4	0.22
No.90	5A	水	3E6	3EE	25	4	6.4	0.33
No.91	5B	木	3EF	3F8	7D	4	6.4	0.40
No.92	5C	金	3F9	402	1B	4	6.4	0.37
No.93	5D	土	403	409	17	4	6.4	0.25
No.94	5E	日	40A	414	73	4	6.4	0.44
No.95	5F	曜日	415	421	4D	4	6.4	0.50
No.96	60	Greetings (Chinese)	422	434	71	4	8.0	0.60
No.97	61	"	435	448	41	4	8.0	0.62
No.98	62	Greetings (English)	449	45A	59	4	8.0	0.57
No.99	63	"	45B	46E	05	4	8.0	0.61
No.100	64	Greetings (German)	46F	487	05	4	8.0	0.77
No.101	65	"	488	4A1	59	4	8.0	0.82
No.102	66	Greetings (French)	4A2	4BC	73	4	8.0	0.86
No.103	67	"	4BD	4D5	3F	4	8.0	0.78
No.104	68	Greetings (Spanish)	4D6	4ED	5D	4	8.0	0.76
No.105	69	"	4EE	5FB	77	4	8.0	0.45
No.106	6A	Greetings (Korean)	4FC	522	58	4	8.0	1.24
No.107	6B	"	523	549	17	4	8.0	1.22
No.108	6C	Greetings (Japanese)	54A	55E	4F	4	8.0	0.66
No.109	6D	"	55F	576	3F	4	8.0	0.75
No.110	6E	Greetings (Italian)	577	5A1	27	4	8.0	1.35
No.111	6F	"	5A2	5D8	4B	4	8.0	1.75

MSM6596A-900 address list (time stamp and demonstration) 4/4

	Address for evaluation	Voice word	M6388 and M6588 start address	M6388 stop address and M6588 upper stop address	M6588 lower stop address	ADPCM length (Bit)	fs (kHz)	Playback time (Seconds)
No.112	70	Japanese greetings (3 bits)	5D9	5EF	49	4	8.0	0.95
No.113	71	Japanese greetings (4 bits)	5F0	60D	65	4	8.0	0.95
No.114	72	English greetings (3 bits)	60E	61F	15	4	8.0	0.73
No.115	73	English greetings (4 bits)	620	636	5F	4	8.0	0.73
No.116	74	Effect sound - 1	637	660	29	4	8.0	1.32
No.117	75	Effect sound - 2	661	68A	7F	4	8.0	1.34
No.118	76	Effect sound - 3	68B	6EB	29	4	8.0	3.08
No.119	77	Barking of dog	6EC	709	7D	4	8.0	0.96
No.120	78	Roar of lion	70A	789	27	4	8.0	4.07
No.121	79	Lowling of cattle	78A	7E1	43	4	8.0	2.80

MSM6597A-750 address list (For general-purpose application) 1/5

- (1) M6388, M6588 start address
 (2) M6388 stop address
 M6588 upper stop address
 (3) M6588 lower stop address

Address	Voice word	(1)	(2)	(3)	Playback [s]	Frequency [kHz]	ADPCM bit length
00	—	—	—	—	—	—	—
01	午前	0	10	5D	0.67	6.4	4
02	午後	11	1F	31	0.58	6.4	4
03	メモ	20	2B	27	0.45	6.4	4
04	れい (Hours)	2C	37	27	0.45	6.4	4
05	いち (Hours)	38	42	74	0.44	6.4	4
06	に (Hours and minues)	43	4A	33	0.30	6.4	4
07	さん (Hours)	4B	55	0F	0.40	6.4	4
08	よ (Hours)	56	5D	01	0.28	6.4	4
09	ご (Hours)	5E	64	4F	0.26	6.4	4
0A	ろく (Hours)	65	6F	43	0.42	6.4	4
0B	なな (Hours)	70	7A	39	0.42	6.4	4
0C	はち (Hours)	7B	86	27	0.45	6.4	4
0D	く (Hours)	87	8D	1D	0.25	6.4	4
0E	じゅう (Hours)	8E	98	57	0.43	6.4	4
0F	じゅういち (Hours)	99	AD	25	0.81	6.4	4
10	じゅうに (Hours)	AE	BD	15	0.61	6.4	4
11	時	BE	C2	5F	0.19	6.4	4
12	じゅう	C3	CE	21	0.45	6.4	4
13	にじゅう	CF	DD	0D	0.56	6.4	4
14	さんじゅう	DE	EE	27	0.65	6.4	4
15	よんじゅう	EF	FF	7B	0.68	6.4	4
16	ごじゅう	100	10D	1F	0.53	6.4	4
17	いっ (Minutes)	10E	117	5F	0.39	6.4	4
18	さん (Minutes)	118	121	69	0.39	6.4	4
19	よん (Minutes)	122	12B	23	0.37	6.4	4
1A	ご (Minutes)	12C	133	79	0.32	6.4	4
1B	ろっ (Minutes)	134	13D	13	0.37	6.4	4
1C	なな (Minutes)	13E	148	3B	0.42	6.4	4
1D	はっ (Minutes)	149	152	2D	0.37	6.4	4
1E	きゅう (Minutes)	153	15B	07	0.32	6.4	4
1F	じゅっ (Minutes)	15C	166	6F	0.44	6.4	4

MSM6597A-750 address list (For general-purpose application) 2/5

(1) M6388, M6588 start address

(2) M6388 stop address
M6588 upper stop address

(3) M6588 lower stop address

Address	Voice word	(1)	(2)	(3)	Playback [s]	Frequency [kHz]	ADPCM bit length
20	にじゅっ (Minues)	167	175	19	0.57	6.4	4
21	さんじゅっ (Minues)	176	186	77	0.68	6.4	4
22	よんじゅっ (Minues)	187	198	37	0.70	6.4	4
23	ごじゅっ (Minues)	199	1A6	53	0.55	6.4	4
24	ぜろ	1A7	1B1	11	0.41	6.4	4
25	ふん	1B2	1BA	33	0.34	6.4	4
26	ぶん	1BB	1C3	4D	0.34	6.4	4
27	件	1C4	1CD	31	0.38	6.4	4
28	です	1CE	1D2	37	0.18	6.4	4
29	Message + music (Japanese)	1D3	216	5F	4.34	4.0	4
2A	Message + music (Japanese)	217	277	35	4.66	5.3	4
2B	Message + music (Japanese)	278	2EE	47	4.74	6.4	4
2C	Message + music (Japanese)	2EF	377	47	4.37	8.0	4
2D	Message + cattle voice (Japanese)	378	3B0	13	3.59	4.0	4
2E	Message + cattle voice (Japanese)	3B1	405	19	4.07	5.3	4
2F	Message + cattle voice (Japanese)	406	464	6D	3.79	6.4	4
30	Message + cattle voice (Japanese)	465	4D0	6F	3.45	8.0	4
31	Message + music (English)	4D1	510	49	4.07	4.0	4
32	Message + music (English)	511	571	5D	4.67	5.3	4
33	Message + music (English)	572	5E8	15	4.73	6.4	4
34	Message + music (English)	5E9	663	5B	3.93	8.0	4
35	Message + cattle voice (English)	664	6A5	11	4.17	4.0	4
36	Message + cattle voice (English)	6A6	707	7D	4.73	5.3	4
37	Message + cattle voice (English)	708	77A	45	4.58	6.4	4
38	Message + cattle voice (English)	77B	7F3	25	3.85	8.0	4
39	ALARM	7F4	7FF	71	0.48	6.4	4
3A	SETTING	800	80A	4B	0.42	6.4	4
3B	ONE	80B	814	39	0.38	6.4	4
3C	TWO	815	81C	1B	0.29	6.4	4
3D	THREE	81D	825	01	0.32	6.4	4
3E	FOUR	826	82F	0D	0.36	6.4	4
3F	FIVE	830	839	4B	0.38	6.4	4

MSM6597A-750 address list (For general-purpose application) 3/5

- (1) M6388, M6588 start address
- (2) M6388 stop address
M6588 upper stop address
- (3) M6588 lower stop address

Address	Voice word	(1)	(2)	(3)	Playback [s]	Frequency [kHz]	ADPCM bit length
40	SIX	83A	844	2D	0.41	6.4	4
41	SEVEN	845	84E	51	0.39	6.4	4
42	EIGHT	84F	856	2B	0.29	6.4	4
43	NINE	857	862	0D	0.44	6.4	4
44	TEN	863	86B	31	0.34	6.4	4
45	ELEVEN	86C	87A	37	0.58	6.4	4
46	TWELVE	87B	885	47	0.42	6.4	4
47	ZERO	886	894	09	0.56	6.4	4
48	TWEN-	895	89A	33	0.22	6.4	4
49	THIR-	89B	89F	57	0.19	6.4	4
4A	FOR-	8A0	8A6	31	0.26	6.4	4
4B	FIF-	8A7	8AC	47	0.22	6.4	4
4C	TY-ONE	8AD	8BC	0F	0.60	6.4	4
4D	TY-TWO	8BD	8CC	45	0.62	6.4	4
4E	TY-THREE	8CD	8DD	3B	0.66	6.4	4
4F	TY-FOUR	8DE	8EF	0D	0.68	6.4	4
50	TY-FIVE	8F0	903	47	0.78	6.4	4
51	TY-SIX	904	913	5B	0.63	6.4	4
52	TY-SEVEN	914	923	01	0.60	6.4	4
53	TY-EIGHT	924	933	4B	0.62	6.4	4
54	TY-NINE	934	943	6B	0.63	6.4	4
55	-TEEN	944	94C	3D	0.34	6.4	4
56	-TY	94D	953	2B	0.25	6.4	4
57	SIX-	954	95B	73	0.32	6.4	4
58	SEVEN-	95C	966	05	0.40	6.4	4
59	EIGHT-	967	96D	2B	0.25	6.4	4
5A	NINE-	96E	976	11	0.33	6.4	4
5B	OH	977	97E	65	0.31	6.4	4
5C	IT'S	97F	986	11	0.29	6.4	4
5D	Silence (50 ms)	987	988	1D	0.05	6.4	4
5E	Silence (200 ms)	989	98D	7D	0.20	6.4	4
5F	AM	98E	99C	55	0.59	6.4	4

MSM6597A-750 address list (For general-purpose application) 4/5

- (1) M6388, M6588 start address
 (2) M6388 stop address
 M6588 upper stop address
 (3) M6588 lower stop address

Address	Voice word	(1)	(2)	(3)	Playback [s]	Frequency [kHz]	ADPCM bit length
60	PM	99D	9AB	73	0.60	6.4	4
61	ALARM	9AC	9B4	A1	0.48	6.4	3
62	SETTING	9B5	9BC	A5	0.42	6.4	3
63	ONE	9BD	9C4	13	0.38	6.4	3
64	TWO	9C5	9CA	49	0.29	6.4	3
65	THREE	9CB	9D1	05	0.32	6.4	3
66	FOUR	9D2	9D8	91	0.36	6.4	3
67	FIVE	9D9	9E0	25	0.38	6.4	3
68	SIX	9E1	9E8	87	0.41	6.4	3
69	SEVEN	9E9	9F0	2B	0.39	6.4	3
6A	EIGHT	9F1	9F6	59	0.29	6.4	3
6B	NINE	9F7	9FF	3D	0.44	6.4	3
6C	TEN	A00	A06	35	0.34	6.4	3
6D	ELEVEN	A07	A11	93	0.58	6.4	3
6E	TWELVE	A12	A19	A1	0.42	6.4	3
6F	ZERO	A1A	A24	65	0.56	6.4	3
70	TWIN-	A25	A29	0B	0.22	6.4	3
71	THIR-	A2A	A2D	59	0.19	6.4	3
72	FOR-	A2E	A32	89	0.26	6.4	3
73	FIF-	A33	A37	1F	0.22	6.4	3
74	TY-ONE	A38	A43	41	0.60	6.4	3
75	TY-TWO	A44	A4F	77	0.62	6.4	3
76	TY-THREE	A50	A5C	43	0.66	6.4	3
77	TY-FOUR	A5D	A69	95	0.68	6.4	3
78	TY-FIVE	A6A	A78	7B	0.78	6.4	3
79	TY-SIX	A79	A84	8D	0.63	6.4	3
7A	TY-SEVEN	A85	A90	33	0.60	6.4	3
7B	TY-EIGHT	A91	A9C	7D	0.62	6.4	3
7C	TY-NINE	A9D	AA8	9D	0.63	6.4	3
7D	-TEEN	AA9	AAF	41	0.34	6.4	3
7E	-TY	AB0	AB4	83	0.25	6.4	3
7F	SIX-	AB5	ABA	A1	0.32	6.4	3

MSM9800 series general-purpose ROM codes

MSM9802-200 Edit ROM Address Corresponding List (for Demonstration)

Address	Voice Word
00	—
01	<Sound of a bell> (straight PCM, 8 kHz)
02	<Sound of a bell> (nonlinear PCM, 8 kHz)
03	<Birdcall> (straight PCM, 8 kHz)
04	<Birdcall> (nonlinear PCM, 8 kHz)
05	<Sound of a bell> (straight PCM, 8 kHz), <Sound of a bell> (nonlinear PCM, 8 kHz)
06	<Birdcall> (straight PCM, 8 kHz), <Birdcall> (nonlinear PCM, 8 kHz)
07	<Sound of a bell> (straight PCM, 8 kHz), <Sound of a bell> (nonlinear PCM, 8 kHz), <Birdcall> (straight PCM, 8 kHz), <Birdcall> (nonlinear PCM, 8 kHz)

MSM9802-201 Voice Word Address Corresponding List (for Demonstration)

Y Address	Voice Word	Playback Method	Frequency[kHz]
00	—	—	—
01	Sound of a high-hat close	Nonlinear	16.0
02	Sound of a high-hat close	Nonlinear	12.8
03	Sound of a high-hat close	Nonlinear	10.6
04	Sound of a high-hat close	Nonlinear	8.0
05	Sound of a high-hat close	Nonlinear	6.4
06	Sound of a high-hat close	Nonlinear	5.3
07	Sound of a high-hat close	Nonlinear	4.0
08	Sound of a bass drum	Nonlinear	16.0
09	Sound of a bass drum	Nonlinear	12.8
0A	Sound of a bass drum	Nonlinear	10.6
0B	Sound of a bass drum	Nonlinear	8.0
0C	Sound of a bass drum	Nonlinear	6.4
0D	Sound of a bass drum	Nonlinear	5.3
0E	Sound of a bass drum	Nonlinear	4.0
0F	"Hello" (female voice)	Nonlinear	8.0
10	"Hello" (female voice)	Nonlinear	6.4
11	"Hello" (female voice)	Nonlinear	5.3
12	"Hello" (female voice)	Nonlinear	4.0
13	"今日の天気は晴れです" (female voice)	Nonlinear	8.0
14	"今日の天気は晴れです" (female voice)	Nonlinear	6.4
15	"今日の天気は晴れです" (female voice)	Nonlinear	5.3
16	"今日の天気は晴れです" (female voice)	Nonlinear	4.0

MSM9802-201 Edit ROM Address Corresponding List (for Demonstration)

X Address	Voice Word
00	—
01	"今日の天気は晴れです (4.0kHz)"
02	"今日の天気は晴れです (5.3kHz)"
03	"今日の天気は晴れです (6.4kHz)"
04	"今日の天気は晴れです (8.0kHz)"
05	"今日の天気は晴れです (4.0kHz) silence (512ms) Hello (4.0kHz)"
06	"今日の天気は晴れです (5.3kHz) silence(512ms) Hello (5.3kHz)"
07	"今日の天気は晴れです (4.0kHz) silence (128ms) 今日の天気は晴れです (5.3kHz) silence (128ms) 今日の天気は晴れです (6.4kHz) silence (128ms) 今日の天気は晴れです (8.0kHz) silence (128ms)"
08	"今日の天気は晴れです (4.0kHz) 今日の天気は晴れです(5.3kHz) 今日の天気は晴れです (6.4kHz) 今日の天気は晴れです (8.0kHz) Hello (4.0kHz) Hello (5.3kHz) Hello (6.4kHz) Hello (8.0kHz)"
09	"Hello (4.0kHz)"
0A	"Hello (5.3kHz)"
0B	"Hello (6.4kHz)"
0C	"Hello (8.0kHz)"
0D	"今日の天気は晴れです (6.4kHz) silence (512ms) Hello (6.4kHz)"
0E	"今日の天気は晴れです (8.0kHz) silence (512ms) Hello (8.0kHz)"
0F	"Hello (4.0kHz) silence (128ms) Hello (5.3kHz) silence (128ms) Hello (6.4kHz) silence (128ms) Hello (8.0kHz) silence (128ms)"
10	"Sound of a high-hat close (8.0kHz) silence (128ms)" (4 times)
11	"Sound of a high-hat close (4.0kHz) silence (256ms)"
12	"Sound of a high-hat close (5.3kHz) silence (256ms)"
13	"Sound of a high-hat close (6.4kHz) silence (256ms)"
14	"Sound of a high-hat close (8.0kHz) silence (256ms)"
15	"Sound of a bass drum (4.0kHz) silence (288ms) Sound of a high-hat close (4.0kHz) silence (256ms)"
16	"Sound of a bass drum (5.3kHz) silence (288ms) Sound of a high-hat close (5.3kHz) silence (256ms)"
17	"Sound of a high-hat close (4.0kHz) silence (128ms) Sound of a high-hat close (5.3kHz) silence (128ms) Sound of a high-hat close (6.4kHz) silence (128ms) Sound of a high-hat close (8.0kHz) silence (128ms)"
18	"Sound of a bass drum (8.0kHz) silence128ms" Sound of a high-hat close (8.0kHz) silence128ms)" (2 times)
19	"Sound of a bass drum (4.0kHz) silence (256ms)"
1A	"Sound of a bass drum (5.3kHz) silence (256ms)"
1B	"Sound of a bass drum (6.4kHz) silence (256ms)"
1C	"Sound of a bass drum (8.0kHz) silence (256ms)"
1D	"Sound of a bass drum (6.4kHz) silence (288ms) Sound of a high-hat close (6.4kHz) silence (256ms)"
1E	"Sound of a bass drum (8.0kHz) silence (288ms) Sound of a high-hat close (8.0kHz) silence (256ms)"
1F	"Sound of a bass drum (4.0kHz) silence (128ms) Sound of a bass drum (5.3kHz) silence (128ms) Sound of a bass drum (6.4kHz) silence (128ms) Sound of a bass drum (8.0kHz) silence (128ms)"

MSM9802-201 Edit ROM Address Corresponding List (for Demonstration) (Continued)

X Address	Voice Word
20	"Sound of a high-hat close (16.0kHz) silence (128ms)" (4 times)
21	"Sound of a high-hat close (4.0kHz) silence (256ms)"
22	"Sound of a high-hat close (5.3kHz) silence (256ms)"
23	"Sound of a high-hat close (6.4kHz) silence (256ms)"
24	"Sound of a high-hat close (8.0kHz) silence (256ms)"
25	"Sound of a high-hat close (10.6kHz) silence (256ms)"
26	"Sound of a high-hat close (12.8kHz) silence (256ms)"
27	"Sound of a high-hat close (16.0kHz) silence (256ms)"
28	"Sound of a bass drum (16.0kHz) silence (128ms)" (4 times)
29	"Sound of a bass drum (4.0kHz) silence (128ms)"
2A	"Sound of a bass drum (5.3kHz) silence (128ms)"
2B	"Sound of a bass drum (6.4kHz) silence (128ms)"
2C	"Sound of a bass drum (8.0kHz) silence (128ms)"
2D	"Sound of a bass drum (10.6kHz) silence (128ms)"
2E	"Sound of a bass drum (12.8kHz) silence (128ms)"
2F	"Sound of a bass drum (16.0kHz) silence (128ms)"
30	"Sound of a bass drum (16.0kHz) silence (288ms) Sound of a high-hat close (16.0kHz) silence (256ms) Sound of a high-hat close (16.0kHz) silence (256ms) Sound of a high-hat close (16.0kHz) silence (256ms)"
31	"Sound of a bass drum (4.0kHz) silence (288ms) Sound of a high-hat close (4.0kHz) silence (256ms)" (2 times)
32	"Sound of a bass drum (5.3kHz) silence (288ms) Sound of a high-hat close(5.3kHz) silence (256ms)" (2 times)
33	"Sound of a bass drum (6.4kHz) silence (288ms) Sound of a high-hat close (6.4kHz) silence (256ms)" (2 times)
34	"Sound of a bass drum (8.0kHz) silence (288ms) Sound of a high-hat close (8.0kHz) silence (256ms)" (2 times)
35	"Sound of a bass drum (10.6kHz) silence (288ms) Sound of a high-hat close (10.6kHz) silence (256ms)" (2 times)
36	"Sound of a bass drum (12.8kHz) silence (288ms) Sound of a high-hat close (12.8kHz) silence (256ms)" (2 times)
37	"Sound of a bass drum (16.0kHz) silence (288ms) Sound of a high-hat close (16.0kHz) silence (256ms)" (2 times)
38	"Sound of a bass drum (16.0kHz) silence (288ms) Sound of a bass drum (16.0kHz) silence (288ms) Sound of a bass drum (16.0kHz) silence (288ms) Sound of a high-hat close (16.0kHz) silence (256ms)"
39	"Sound of a bass drum (4.0kHz) silence (160ms) Sound of a bass drum (4.0kHz) silence (160ms) Sound of a high-hat close (4.0kHz) silence (384ms)"
3A	"Sound of a bass drum (5.3kHz) silence (160ms) Sound of a bass drum (5.3kHz) silence (160ms) Sound of a high-hat close (5.3kHz) silence (384ms)"
3B	"Sound of a bass drum (6.4kHz) silence (160ms) Sound of a bass drum (6.4kHz) silence (160ms) Sound of a high-hat close(6.4kHz) silence (384ms)"
3C	"Sound of a bass drum (8.0kHz) silence (160ms) Sound of a bass drum (8.0kHz) silence (160ms) Sound of a high-hat close (8.0kHz) silence (384ms)"
3D	"Sound of a bass drum (10.6kHz) silence (160ms) Sound of a bass drum(10.6kHz) silence (160ms) Sound of a high-hat close (10.6kHz) silence (384ms)"
3E	"Sound of a bass drum (12.8kHz) silence (160ms) Sound of a bass drum (12.8kHz) silence (160ms) Sound of a high-hat close (12.8kHz) silence (384ms)"
3E	"Sound of a bass drum (16.0kHz) silence (160ms) Sound of a bass drum (16.0kHz) silence (160ms) Sound of a high-hat close (16.0kHz) silence (384ms)"