CONFIDENTIAL

Table of Contents

1. Ov	verview	1
1.1	Overview	
1.2	Function	
1.2	2.1 Connected Device	
1.2	2.2 Clock of connected device	4
1.2	2.3 PCM	7
1.2	2.4 Audio Codec	8
1.2	2.5 Routing	8
1.2	2.6 Sampling Rate Conversion	9
1.2	2.7 Rate Continuous	9
1.2	2.8 Mixing	9
1.2	2.9 Channel transfer unit	9
1.2	2.10 TDM format	9
1.2	2.11 Ramp	9
1.3	Reference	9
1.3	3.1 Standards	9
1.3	3.2 Related Documents	
1.4	Restrictions	10
1.5	Notice	10
2. Te	erminology	14
_	perating Environment	
3.1	Hardware Environment	
3.2	Module Configuration	
3.3	State Transition Diagram	
4 5	17.00	
	xternal Interface	
4.1	Device	
4.2	Device Node	
4.3	Setting route	
	3.1 Data transmission paths	
	3.2 Setting route for playback	
	3.3 Setting route for capture	
	Sampling Rate Conversion	
	4.1 Asynchronous Mode	
	4.2 Synchronous Mode	
4.5	Rate Continuous	
4.6	CTU Function	
	6.1 CTU module setting	
4.7	MIX Function	
	7.1 MIX module setting	
4.8	Amixer control interfaces	
	8.1 Control list	
	8.2 DVC function	
	8.3 Ramp function	
	8.4 Example of Control setting	
4.9		
4.9	9.1 Multi-SSI Function	

CONFIDENTIAL

4.9.2	TDM-SSI Function	82
4.10 Fu	unction Specification	84
	I ALSA API	
5. Integr	ration	85
	irectory Configuration	
	ntegration Procedure	
5.3 O	ption Setting	86
5.3.1	Module Parameters	86
5.3.2	Kernel Parameters	86
5.3.3	Device tree bindings	87