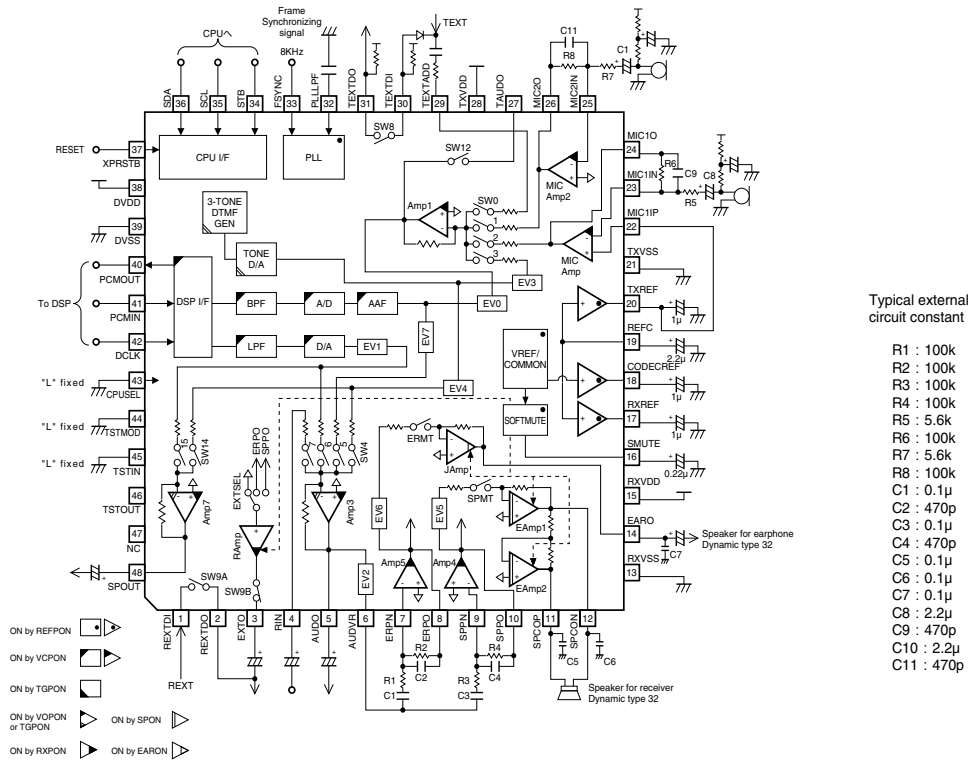


● Application Circuit



● Comparison table

Part No.	BU8776KN	BU8730KV	BU8732AKV	BU8731KV	BU8733KV
Function	PCM CODEC	PCM CODEC	PCM CODEC	PCM CODEC	PCM CODEC
Supply voltage range	2.7~3.3V	2.7~3.3V	2.7~3.3V	2.7~3.3V	2.7~3.3V
Operating mode consumption current (TYP.)	8.0mA	8.2mA	8.0mA	8mA	5.4mA
Stand-by mode consumption current (TYP.)	0.1μA	0.1μA	0.1μA	0.1μA	0.1μA
Filter structure	· Digital	· Digital	· Digital	· Digital	· Digital
Dynamic receiver driving	○	×	○	○	○
Speaker output form	BTL	BTL	BTL	BTL	BTL
Speaker output load	32	20k	32	32	32
Amplifier for earphone	○	×	○	○	×
Tone generation	DTMF	DTMF · Triple tone	DTMF	DTMF	DTMF
Tone pattern	16Hz warble	Each for GSM	16Hz warble	16Hz warble	16Hz continuation
Gain control	○	○	○	○	○
Mute function	Soft mute function	Soft mute function	Soft mute function	Soft mute function	Soft mute function
Power down function	Power down in each block	Power down in each block	Power down in each block	Power down in each block	Power down in each block
DAI(Digital Audio Interface)	×	○	×	×	×
Side tone	Inside(Gain control)	Outside(No gain control)	Inside(Gain control)	Inside(Gain control)	Inside(Gain control)
Auxiliary analog input	Single end x2	Single end	Single end x2	Single end x2	Single end
Auxiliary analog output	Single end x2	Single end	Single end x2	Single end x2	Single end
Ringer direct driving	×	×	Gain control	Gain control	Gain control
PCM format	μ/A-LAW ·Linear	Linear	μ/A-LAW ·Linear	μ/A-LAW ·Linear	μ/A-LAW ·Linear
Package	QFN48U	VQFP48	VQFP48	VQFP48	VQFP48