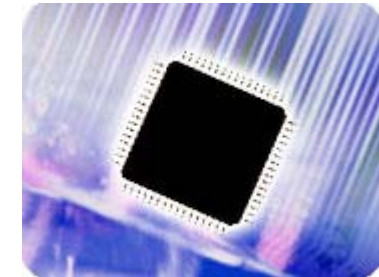

































































- ICs**
- EEPROMs
- Clock Generators
- Voltage Detector ICs
- Motor Drivers
- Power Management ICs
- LED / LCD Drivers
- Sensor ICs
- Operational Amplifiers / Comparators
- Analog Switches / Logics
- D / A Converters
- IT Equipment / Interface ICs
- Video and Imaging ICs
- Audio ICs**
- Wireless Audio Link IC Series for FM Transmitter
- FM Radio One Chip ICs
- High Performance Class-D Speaker Amplifier Series
- Ultra Small Headphone

USB Host Audio Decoder ICs

ROHM's USB host audio decoder ICs integrate a USB 2.0 host, SD memory card controller, AAC decoder, WMA decoder, MP3 decoder, Audio DAC amp, and a system controller all on a single chip, allowing easy playback of music stored in USB flash memory using an audio player. They can be easily added to virtually any audio device (i.e. CD player, mini-component stereo, portable player, car stereo) for greater functionality.



*Put the mouse on the icon to see further details.

Specification	Part No.	Package	Function
MP3 Format  	NEW BU9428KV	 VQFP64	         
MP3 Format + SD Memory Card   	BU9435KV	 VQFP64	         
WMA / MP3 Format + SD Memory Card    	NEW BU9437AKV	 VQFP64	          
AAC / WMA / MP3 Format + SD Memory Card     	NEW BU9438KV	 VQFP64	           

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[Digital Sound Processor for Car Audio](#)

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USB Host Audio Decoder ICs													
Part No.	Operating voltage (V)		USB	SD	Serial interface	Display information	MP3	WMA	AAC	Audio output		Package	RoHS
	Core	I/O								Analog	Digital		
NEW BU9428KV	1.40 to 1.60	3.0 to 3.6	USB2.0 Full Speed	—	I ² C BUS	Folder number File number Playing time Folder name File name TAG (Artist Alubum Title)	MPEG1,2,2.5 LAYER1,2,3	—	—	Line	I ² S SPDIF	VQFP64	Yes
BU9435KV	1.40 to 1.60	3.0 to 3.6	USB2.0 Full Speed	MMC SD miniSD microSD SDHC	I ² C BUS		MPEG1,2,2.5 LAYER1,2,3	—	—	Line	I ² S SPDIF	VQFP64	Yes
NEW BU9437AKV	—	3.0 to 3.6	USB2.0 Full Speed	MMC SD miniSD microSD SDHC	I ² C BUS		MPEG1,2,2.5 LAYER1,2,3	WMA9Standard	—	Line	I ² S SPDIF	VQFP64	Yes
NEW BU9438KV	—	3.0 to 3.6	USB2.0 Full Speed	MMC SD miniSD microSD SDHC	I ² C BUS		MPEG1,2,2.5 LAYER1,2,3	WMA9Standard	MPEG4AAC-LC	Line	I ² S SPDIF	VQFP64	Yes

Passive Components

**Modules
(Sub Systems)**



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