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ICs

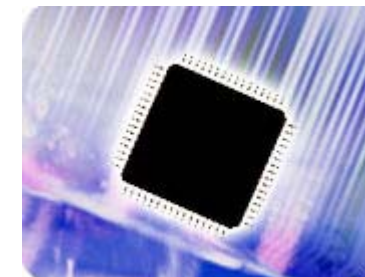
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Audio ICs

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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	32MB ~2TB CONT ROLLER FAT16 FAT32 TAG RANDOM REPEAT Analog LINE I ² S SPDIF
MP3 Format + SD Memory Card			
	BU9435KV	 VQFP64	32MB ~2TB CONT ROLLER FAT16 FAT32 TAG RANDOM REPEAT Analog LINE I ² S SPDIF
WMA / MP3 Format + SD Memory Card			
	NEW BU9437AKV	 VQFP64	32MB ~2TB CONT ROLLER FAT16 FAT32 TAG RANDOM REPEAT RESUME Analog LINE I ² S SPDIF
AAC / WMA / MP3 Format + SD Memory Card			
	NEW BU9438KV	 VQFP64	32MB ~2TB CONT ROLLER FAT16 FAT32 TAG RANDOM FF/FR REPEAT RESUME Analog LINE I ² S SPDIF

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Amplifier Series
Speaker / Headphone Amplifier Series
Low Power Audio DAC with Headphone Amplifier
Hi-Fi Voice Synthesis IC Series
Sound Processor Series for Home Theaters
Sound Processor Series for FPD TVs
Digital Sound Processor for FPD TVs
Digital Sound Processor for Car Audio
Sound Processor Series for Car Audios
Sound Processor Series for BOOM BOX/Mini-component Stereo
USB Host Audio Decoder ICs
Sound Path Selector IC Series
Melody Sound Source ICs for Mobile Phones
Audio Decoder IC Series for Mobile Phones
Audio Interface IC Series for Digital Still Cameras/Digital Video Cameras
Digital Signal Processor IC Series for CD Players
Audio Accessory IC Series

Discrete Semiconductors
Opto Electronics

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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

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