

## USB Host Audio Decoders

ROHM's **BU9457KV** and **BU9458KV** USB host audio decoder ICs are compatible with a variety of audio formats and integrate protection circuits designed to prevent malfunction due to noise from the effects of wiring and nearby devices. An improved communication error recovery circuit is also built into the USB interface block for high ESD resistance. Additional features include interface hardware such as USB/SD memory controllers, a D/A converter, sampling rate converter, compressed audio file decoder, file system, and system controller – all on a single chip - allowing simple control (e.g. play, stop, fast forward, rewind) without the need for a microcontroller and enabling configuration by simply adding the IC to existing systems.

### Applications

- USB/SD audio systems

### Pricing

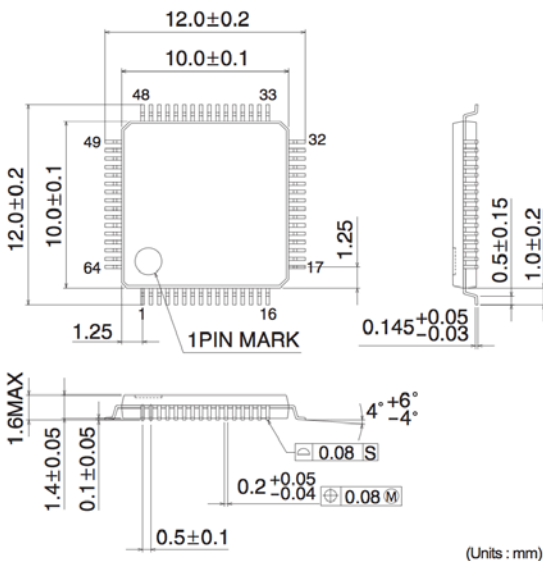
Quantity per reel: 3,000 pieces

Price: \$9.75

Samples: Available now

### Key Features

- Built-in interface hardware, decoder, file system and system controller allow music playback from USB or SD memory devices
- 6kV USB terminal ESD resistance
- Superior surge resistance: 15kV (air discharge), 8kV (contact discharge)
- Compact VQFP64 package (12mm x 12mm chip size)
- Pin- and software-compatible with BU9458KV
- Compatible with both USB and SD memory
- Supports compressed audio formats
  - BU9457KV: mp3
  - BU9458KV: mp3, WMA, AAC



### More info

[http://www.rohm.com/products/lsi/sound/usb\\_host\\_audio](http://www.rohm.com/products/lsi/sound/usb_host_audio)

[http://www.rohm.com/news/pdf/bu9457kv\\_npb-e.pdf](http://www.rohm.com/news/pdf/bu9457kv_npb-e.pdf)

