

E0C33 Family MELODY33 Middleware

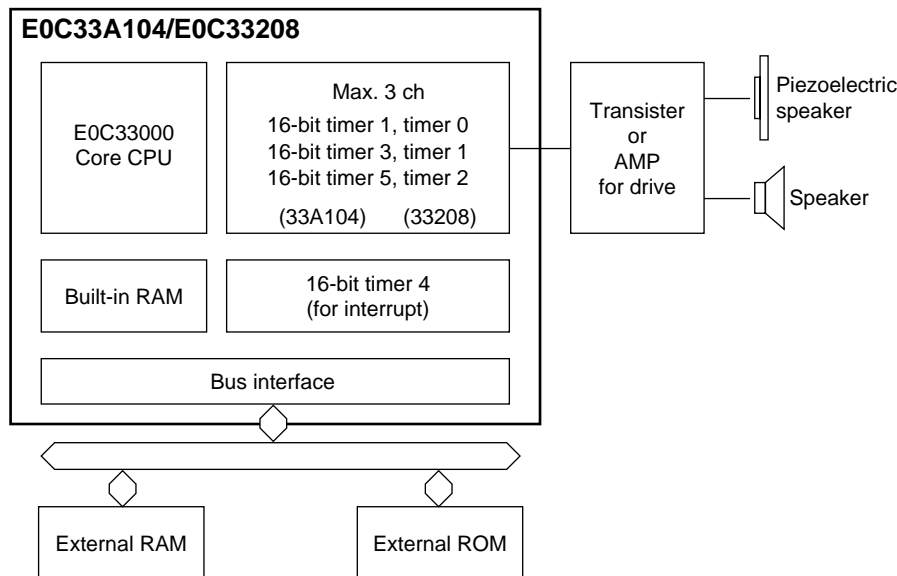
Melody playing middleware

- Melody playing middleware for the E0C33 Family
- Supports simple PWM method similar to general melody ICs
- Max. 3-channel simultaneous outputs
- Supports E0C33A104 and E0C33208 chips

FEATURES

- Middleware for the E0C33 Family is provided as a linkable library.
- Melody is output with 60Hz to 4kHz PWM waveforms using 16-bit timers.
- Compact data and library size (melody data: 2 bytes per note, library: 1.5K bytes) that needs only a small ROM area.
- Suitable for data banks, PDAs, toys with a melody function.

HARDWARE CONFIGURATION



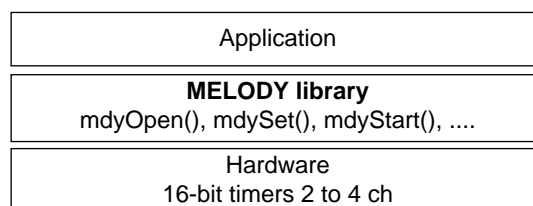
RESOURCE

- ROM size : Melody library = approx. 1.5K bytes, Melody data = approx. 2 bytes per note
- RAM size : Approx. 150 bytes
- Timer : 16-bit timer 4 is used for generating an interrupt
- Melody output : One 16-bit timer is used for each output channel

SOFTWARE CONFIGURATION

● MELODY Library

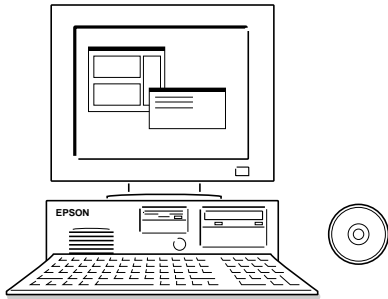
Libraries with melody subroutines that are called from the user's application.



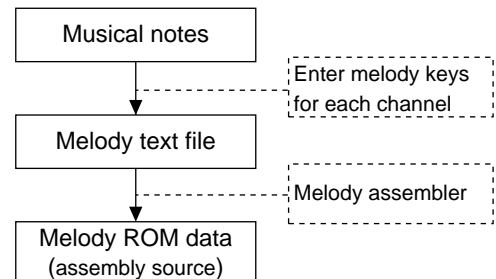
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● MELODY Tool

This tool creates melody ROM data.
It can be used with Windows 95/98/NT4.0.

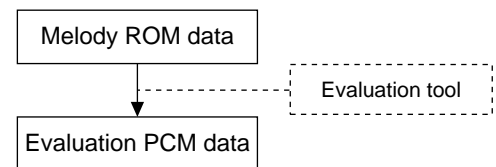
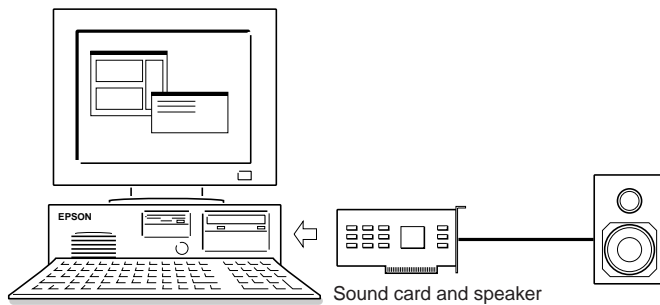


Flow in PC (Example)



● MELODY Evaluation Tool

This tool is for evaluating melody data on a PC.
It can be used with Windows 95/98/NT4.0.



* This middleware is only available with the IC (E0C33 Family).
This specification may change without notice.

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