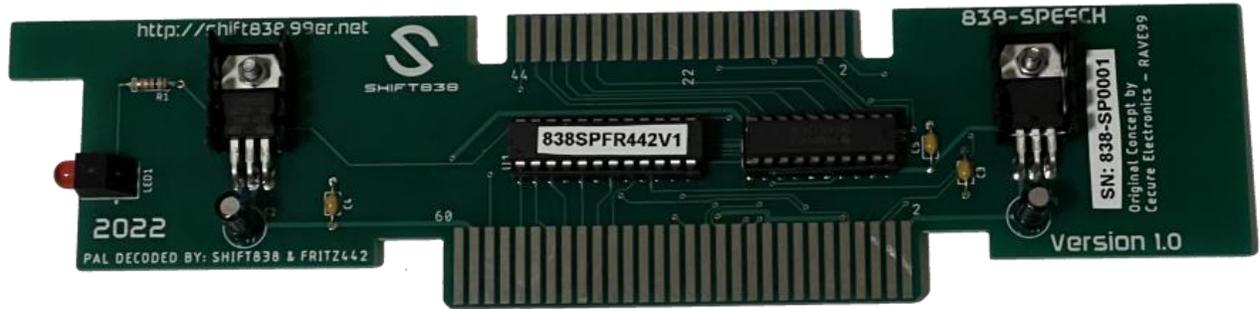


# 838-SPEECH PEB ADAPTER CARD VERSION 1.0



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## Description

**Congratulations on your purchase of the new 838-SPEECH PEB Adapter card!**

This card allows the TI or Geneve user to remove their current speech synthesizer from its enclosure and install it into the Peripheral Expansion Box (PEB), which will reduce much needed desk real estate.

This card is completely compatible with both the TI-99/4A and Myarc Geneve 9640 computers.

Permission to produce this card based around the original design of the RAVE99 SPA01 expansion card was obtained from Cecure Electronics.

This card was a vision of mine for the last few years, but due to the lack of code from the original RAVE99 it was impossible to reproduce until now!

The code used in this card was decoded by myself (SHIFT838) and Fritz442. Fritz442 generated the .jed programming file to help move this card forward to production status.

# Installation

First the speech synthesizer (not included) must be removed from its housing enclosure.

1. Ensure your system is not powered up if the Speech Synthesizer is already installed.
2. Remove the Speech Synthesizer from the expansion port along with the flex cable interface elephant foot.
3. Turn the Speech Synthesizer over.
4. Remove the 2 phillips head screws from the housing
5. Remove the bottom of the housing
6. Remove the actual Speech Synthesizer from the enclosure.
7. Remove the metal shielding from around the Speech Synthesizer's PCB using a Phillips screwdriver.

Now we will install the bare Speech Synthesizer onto the new 838-SPEECH PEB Adapter board.

8. Plug the Speech Synthesizer onto the 838-SPEECH PEB Adapter board ensure that pin 2 of both boards line up as shown below:



9. Next with your PEB powered off for at least 2 minutes insert the 838-SPEECH PEB Adapter card with the LED facing toward the front of the PEB.

## Testing

To test simply go into TI Extended basic or some other flavor of Extended Basic and type:

CALL SAY("HELLO")

Congratulations on installing one of the latest new pieces of hardware for the TI-99/4A or Myarc Geneve 9640 for year 2022.

Please do not forget to register your card at

<https://docs.google.com/forms/d/13oqPV-tGWKTnx1u2dJAxa5Hb8HI5SDrZOAwZMgLUJ4>

## Support

For all support related questions please send an email to [shift838sup@gmail.com](mailto:shift838sup@gmail.com)