

# Ethernet Control Module Carrier with Audio Switcher and Digital Volume

## Applications

- AES70 Development Platform
- Networked Speakers
- Control and Monitoring
- Pro-audio Amplifiers
- Distribution Amplifiers
- Conference Room Controls
- Networked Effects Gear



## Revision History

Version	Date	Description
0.1	03/01/2025	Draft datasheet

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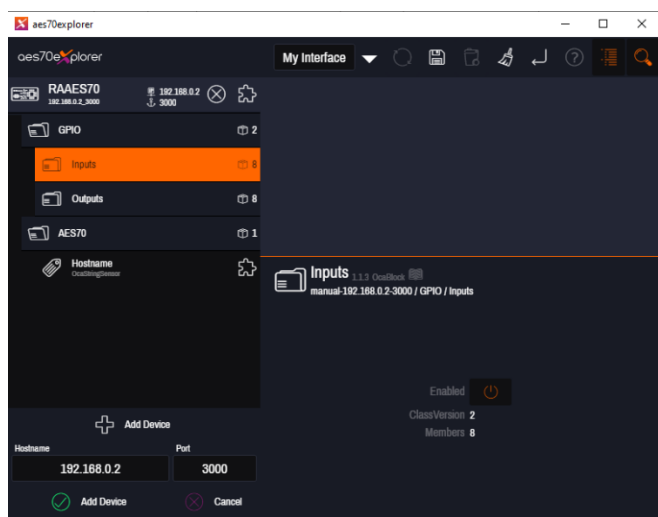
## Description

The **RAECMSVC** provides a demonstration of AES70 control of an audio channel switcher and the MUSES72323 digital volume control in conjunction with the RAECM module. In addition, it has 2 buttons, 2 DIP switches, potentiometer, 3 LEDs and interfaces for SPI, UART, I2C and on board PHY for ethernet connectivity. Connected over ethernet using DHCP and powered using the micro-USB port or external supply. The board is pre-loaded with test firmware for a quick start demonstration and evaluation.

Resolute Audio's RAECM is a low-cost compact STM processor module measuring just 38.1mm x 50.8mm designed to be easily configured to provide AES70 networked control and monitoring to your next generation product. The module has castellated pins to provide simple and economical surface mount placement.

The **RAECMSVC** demonstrates the audio control capability featuring a digital volume control and audio channel switching. Firmware is provided to demonstrate the GPIO capability of the **RAECMSVC** while the AES70 Discovery tool allows convenient access to control and monitoring. There is also a webserver interface available if required.

The **RAECMSVC** also features the RADCBXX power supply to generate the positive and negative audio rails from the 5V USB supply.

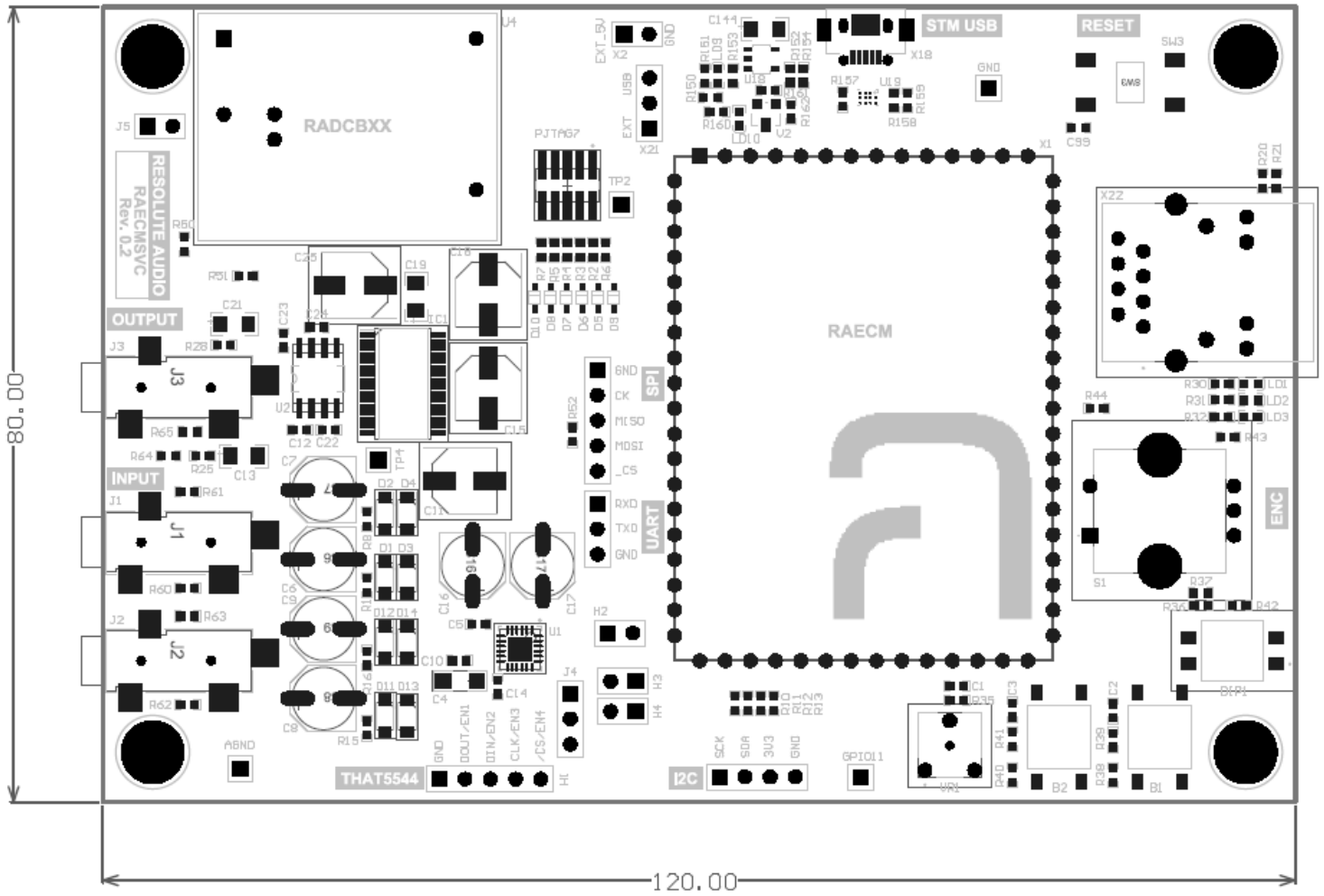


## About AES70

AES70 is an industry standard control architecture developed specifically for audio networks both large and small. It enables control and monitoring of multiple products from different manufacturers without using software drivers or plug-ins.

An [AES70 Explorer tool](#) (pictured left) is available to discover and test any AES70 enabled device, revealing public functions available for control and monitoring.

Physical Dimensions(mm)



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