

NEMIC Board

Preliminary Version

Noise Eliminating Microphone Board

Features:

- On-board microphone
- Noise Suppression 20 dB (typ.)
- 4V2 to 14V power supply
- Power consumption: typ. 28 mA
- Standby current in sleep mode <math><100 \mu\text{A}</math>
- 21mm x 34mm x 5 mm small

Applications:

Microphone replacement:

- Radio Headsets.
- Motorbike Intercoms.
- Pilot Headsets.
- PTT Fist Microphones.

Intercom Systems:

- Door Intercoms.
- Customer Help Points.
- Through Glass.
- Car Park Ticket Machines
- Lifts & Elevators.

Description:

The new Noise Eliminating MICrophone (NEMIC) from Cortologic is designed to transmit speech from within noisy environments using the benefits of Neural Algorithm Technology.

Using the unique patented noise elimination technology from Cortologic, it automatically adjusts to any voice or background noise.

The board is very compact, (measuring only 34mm x 20mm x 5mm), with simple connections for Power and Audio Out.

Alternatively the NEMIC can be fitted into an existing signal path using Line level signals to improve speech intelligibility.

It also features a Sleep Mode to extend the battery life of portable equipment..

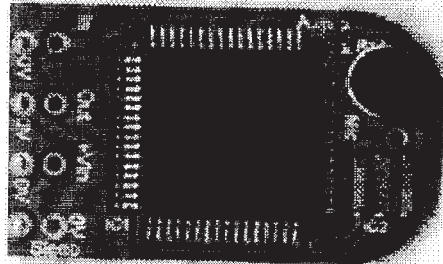


Figure 1: NEMIC Board