

# NEDSP1061

New Product Information.

NEW

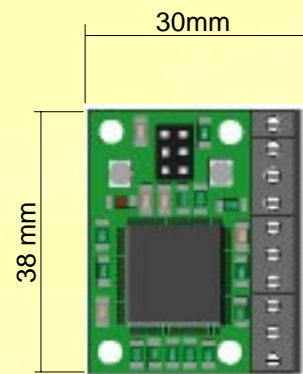
## Noise Eliminating PCB module

The **NEDSP1061** noise eliminating PCB module, offers an off the shelf solution to noise cancellation. Its small size and variety of connection options provides a solution to a wide range of applications. The DSP eliminates noise and interference while minimising distortion to the audio without producing musical tones.

The PCB module allows the user to design in to new equipment, or retro-fit the revolutionary bhi noise cancellation.

### Features:

- Fully Adaptive noise cancelling
- Minimum distortion to audio signal
- Noise cancellation 9 - 35dB
- 8 user selectable noise cancelling levels or level can be preset on PCB
  
- Wide audio bandwidth for natural sound
- Input and output sensitivity control
- Input overload indication
- 5 - 15Vdc operation
- Greatly improved signal to noise ratio
- Remote noise cancellation ON/OFF
- Available in four versions:
  - Terminal block connection
  - Horizontal plug in module
  - Vertical plug in module
  - Unterminated



The module is connected in the path of problem audio signal. Level controls are provided to match the input and output levels, to ensure signal transparency. Visual indication is provided on audio overload.

The noise cancellation level can be set to one of eight levels by either the board mounted jumpers, or remotely. The noise cancellation can be switched on and off remotely.

Sound Engineering Solutions

Provisional information

bhi

Designed and  
Manufactured in  
the UK

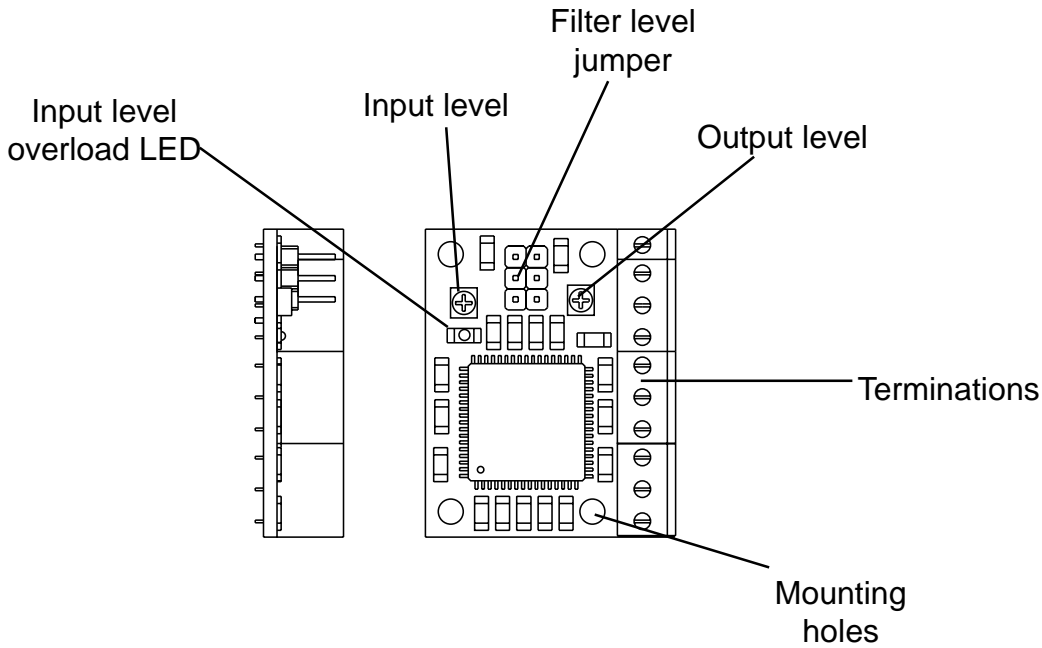


Tel: +44 (0)870 2407258 Fax: +44 (0) 870 2407259  
info@bhinstrumentation.co.uk www.bhinstrumentation.co.uk

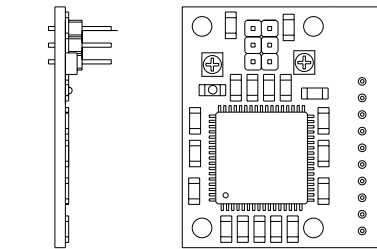
**NEW**

**Module layout**

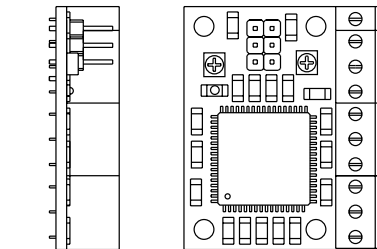
The following diagram shows the physical layout of the module.



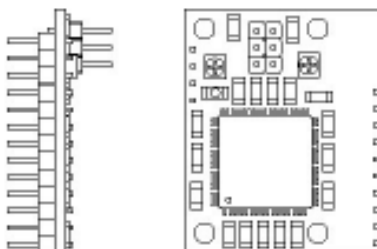
The **NEDSP1061** PCB is available in the following connection configurations



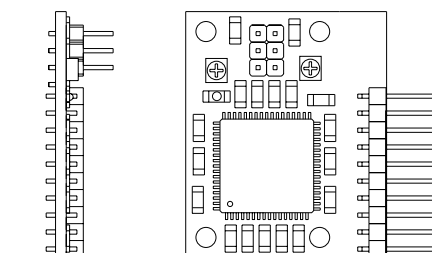
**NEDSP1061/1**  
Free connections.  
0.1" pitch pads.



**NEDSP1061/2**  
Terminal block.  
For easy connection to  
existing wiring.



**NEDSP1061/3**  
Plug in - horizontal module  
For applications where  
height above PCB is  
important.



**NEDSP1061/4**  
Plug in vertical module.

**Specifications:**

Specification	
Power	5 - 15 VDC
Current consumption	50mA
Audio bandwidth	50Hz - 4.6KHz
Noise Attenuation	
Level 1	9dB
2	11dB
3	13dB
4	15dB
5	17dB
6	20dB
7	24dB
8	35dB
Width	30mm
Length	38mm
Height	10mm max

**For more information contact us today**

bhi Ltd, PO Box 136, Bexhill on Sea, East Sussex, TN39 3WD. England