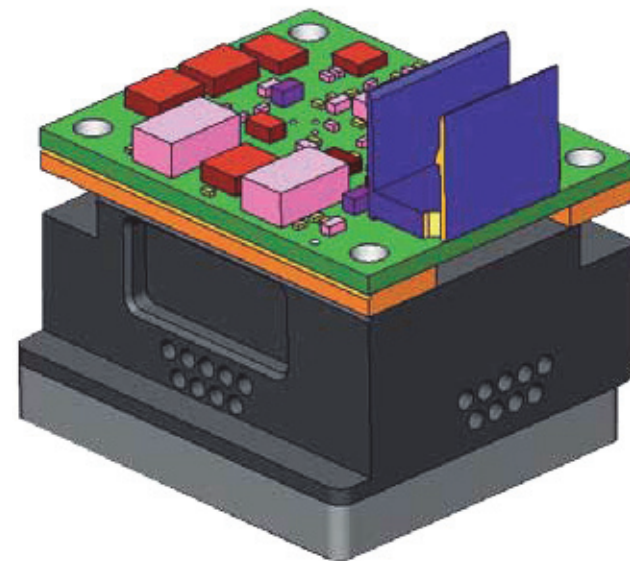


# Artificial Ear

Ear Gasket ½" & Adapter MA006041  
Microphone Amplifier MB001342

JOT Artificial Ear is designed for acoustic final tests in production and R&D environment. It is an integrated microphone amplifier and coupler module. Artificial Ear's measuring method is to form a low leakage coupling chamber.

- Module is factory calibrated against 1 kHz 94 dBSPL (Low range) and 114 dBSPL (High range) reference signal
- Artificial Ear assembly includes: Microphone, Amplifier, and Microphone Gasket
- Easily changeable low leakage coupler for optimal coupling setup; coupler can be designed specifically for the product
- Wide-band sound pressure range 78-130 dBSPL
- Low THD+N <2.3 % (300 Hz-10 kHz)



## USE CASES

E.g. smartphones and tablets

Production final acoustical testing for electronic equipment

Acoustical integration testing

## TECHNICAL CHARACTERISTICS

Dimensions (L x D x H):  
38 x 33.5 x 36.1 mm (1.50" x 1.32" x 1.42")

Weight: 30 g (1 oz)

## INSTALLATION REQUIREMENTS

+12 VDC +/-0.2 V (720 mW)

## OPTIONS

Different gasket models

Calibration adapter available

## INTERFACE

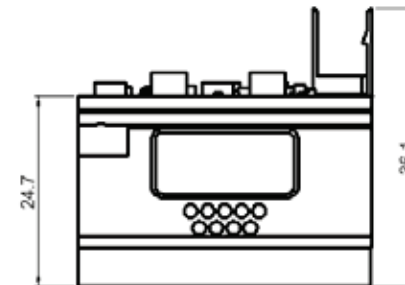
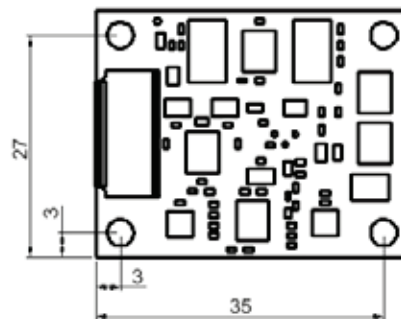
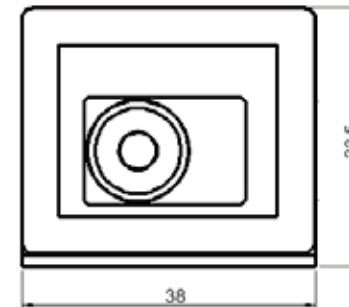
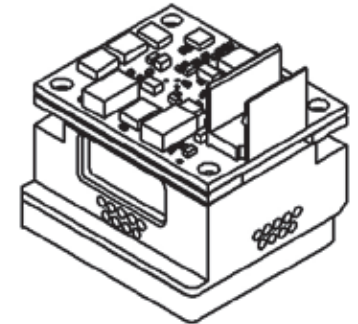
Power and signal connector:  
AMPMODU HE14 series/281739-6

## CONTACT INFO

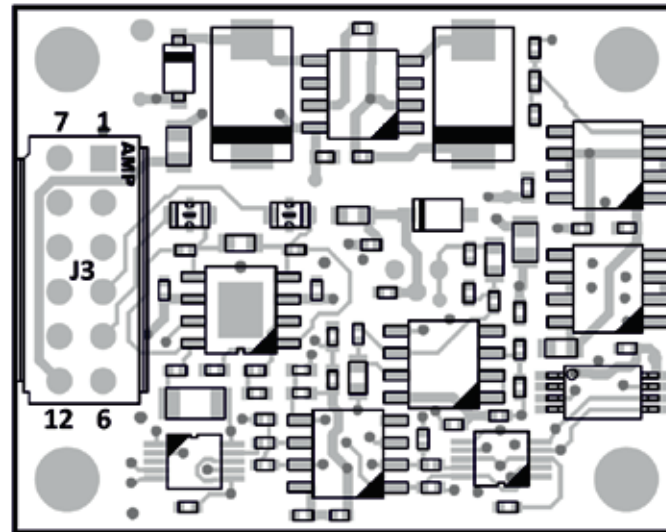
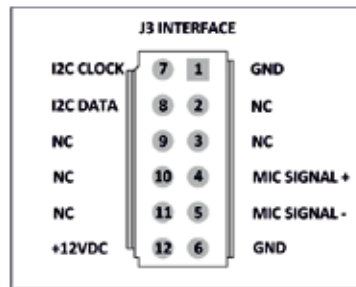
sales@bluelec.com

## TECHNICAL DETAILS

Environments	
Temperature	from 0 °C to +60 °C
Relative humidity	from 15 % to 95 % non-condensing
Output signal	
Calibration level	
– low range	94 dBSPL / 1 kHz → Out = 68.24 dBu / 2000 mVrms
– high range	104 dBSPL / 1 kHz → Out = 62.22 dBu / 1000 mVrms
Signal type	Differential (max. +/- 10 V)
Control signal	
– low range	78-104 dBSPL
– high range	104-130 dBSPL
Mechanic	
Connection	Artificial ear can be squeezed against the DUT or free field

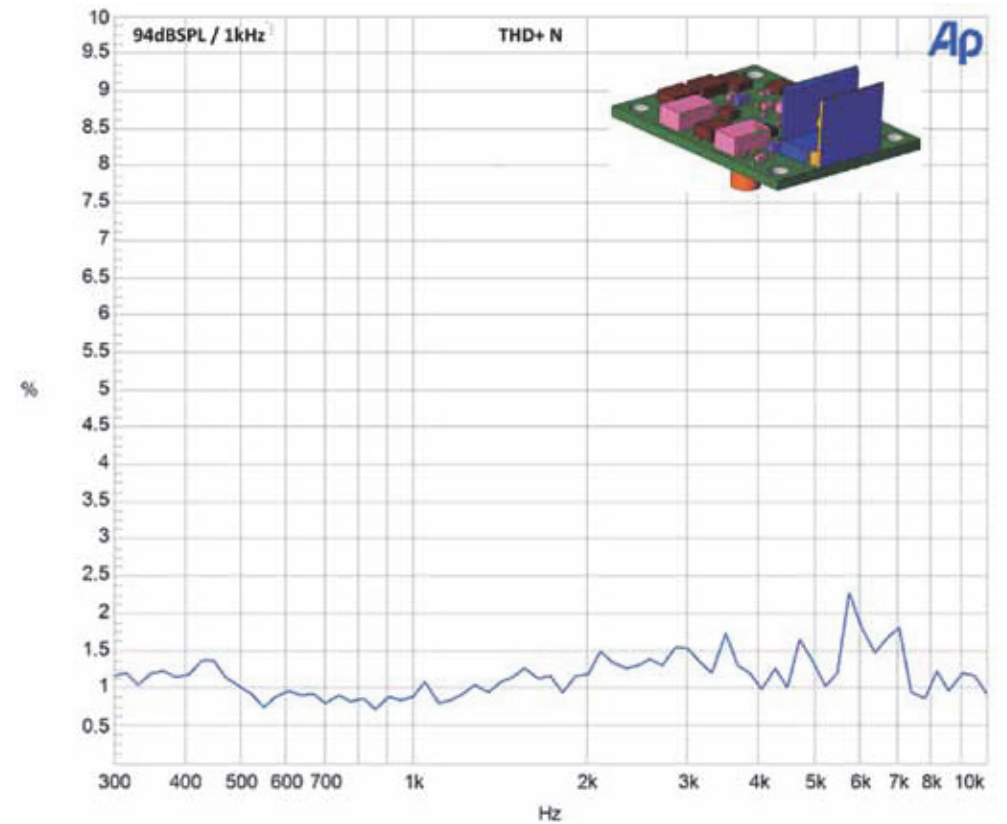
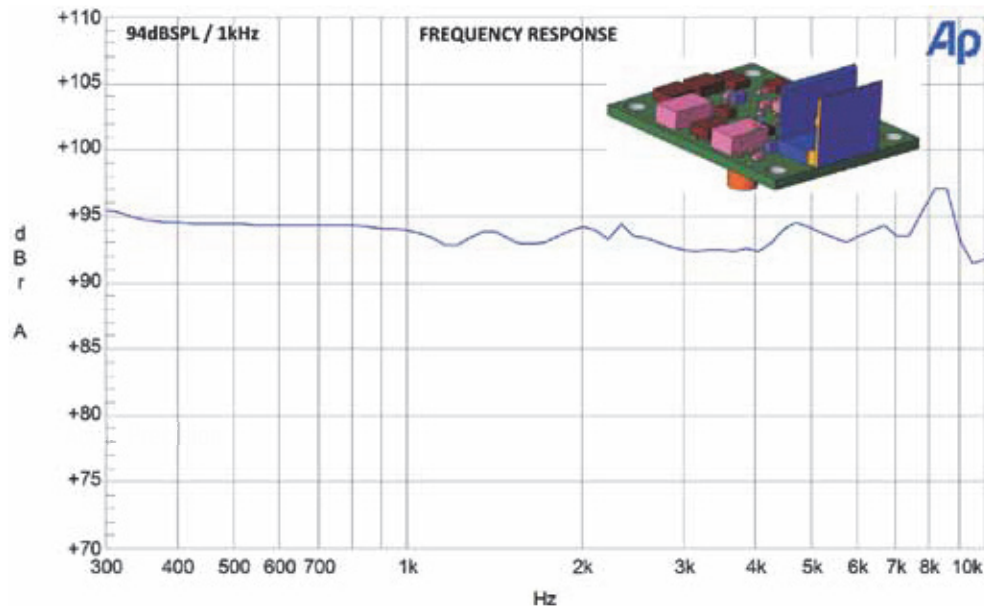


## Pinouts & Control



### Typical Characteristic for Microphone amplifier (MB001342)

Audio Precision



Typical Characteristic for Microphone amplifier (MB001342) & Audio Gasket (MA006041)

Audio Precision

