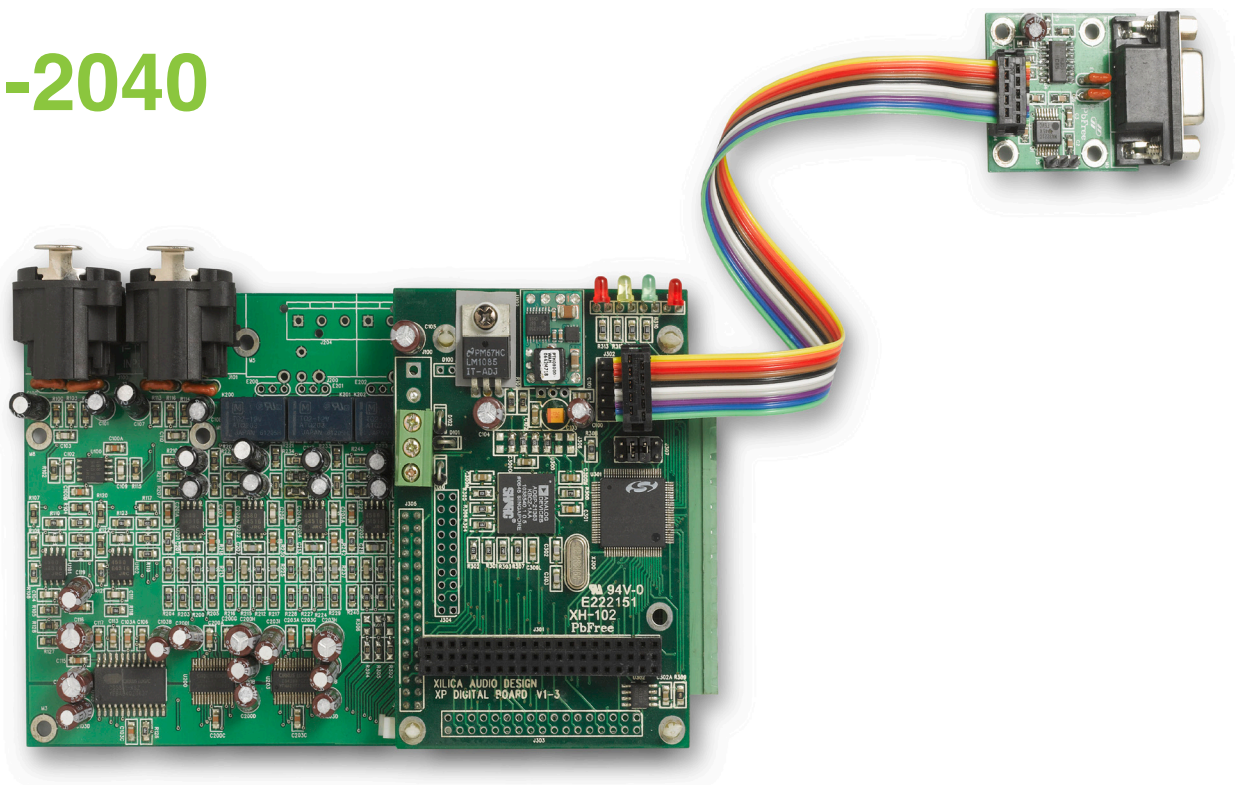


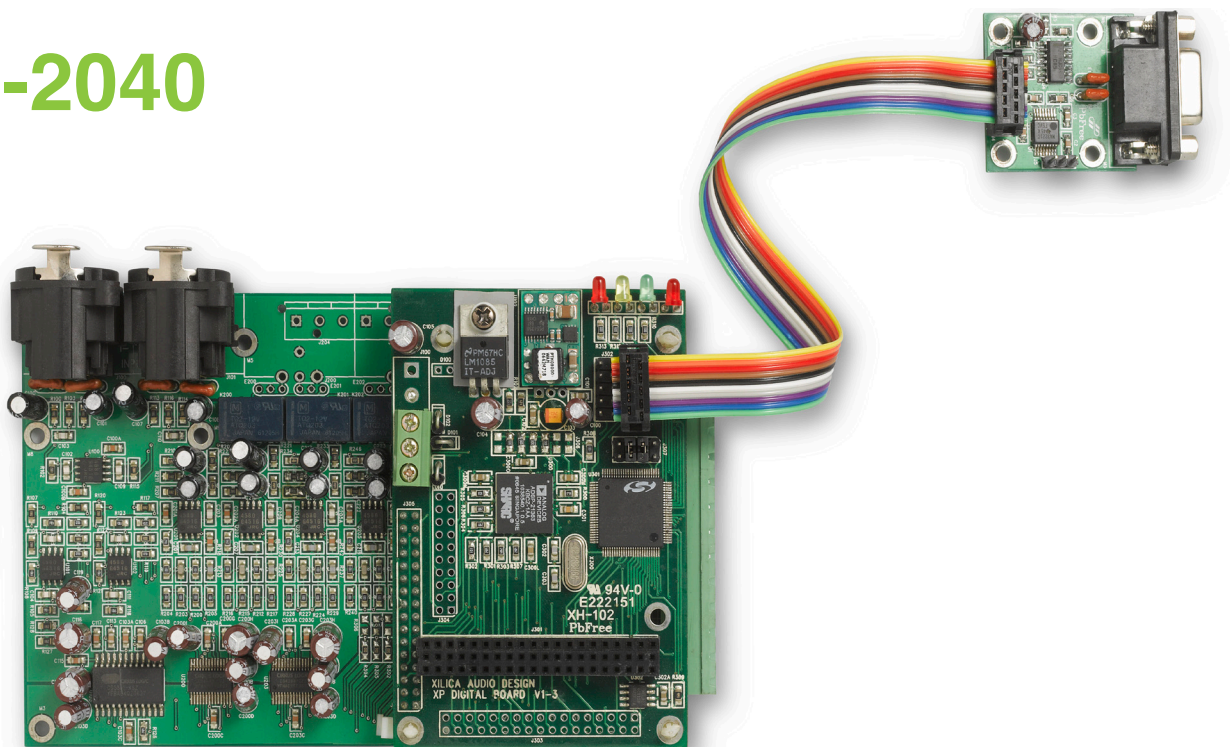
## XM-2040



- **2-In 4-Out configuration**
- **Targeted for active loudspeaker integration**
- **Miniature module design**
- **Xilica performance with embedded technology**
- **Program or Real-Time control via software**
- **RS232 or optional Ethernet Connectivity**

XM Series Miniature Modules are designed to provide the simplest and easiest way for loudspeaker designers to concentrate on what they do best: Loudspeaker designs. With the combination of off-the-shelf amplifiers, the designer can take advantage of our superb DSP technology to overcome the crossover challenges. All complex signal processing is done by the XM. Precise parameters can be fine tuned and matched exactly to the specific requirements of the loudspeakers. Presets can be used to perform comparison tests, or retrieved as different settings for different production models. Noise floor is around -115dB which is consistent with the whole Xilica product line.

## XM-2040



### Inputs and Outputs

Input Impedance: >10k Ohms  
 Output Impedance: 50 Ohms  
 Maximum Level: +20dBu  
 Type: Electronically balanced

### Audio Performance

Freq Response: +/- 0.1dB (20 to 20kHz)  
 Dynamic Range: 115dB typ (unweighted)  
 CMMR: > 60dB (50 to 10kHz)  
 Crosstalk: < -100dB  
 Distortion: 0.002% (1kHz @+4dBu)

### Digital Audio Performance

Processor: 40-bit floating point  
 Sampling Rate: 96kHz  
 Analog Converters: High Performance 24-bit  
 Propagation Delay: 1.5ms

### Front Panel Controls

Level Meters: 4 LED

### Audio Input:

3-pin XLR  
 RS-232: Female DB-9  
 Ethernet: CAT-5 (optional)  
 Power: Molex 0.156" Connector

### General

Power: +/-12V/DC  
 Dimensions: 5.9"x3.2"x1.3" (150x81x33mm)  
 Weight: 1 lbs / 0.46 kg

### Audio Control Parameters

Gain : -40 to +15dB in 0.25dB steps  
 Polarity: +/-  
 Delay: Up to 100ms per I/O  
 Equalizers (8 per I/O):  
 Type: Parametric, Hi-shelf, Lo-shelf,  
 Gain: -30 to +15dB in 0.25dB steps  
 Bandwidth: 0.02 to 2.50 octaves (Q=0.5 to 72)  
 Crossover Filters (2 Individuals per Output):  
 Filter Types: Butterworth, Bessel, Linkwitz Riley  
 Slopes: 6 to 48dB/oct  
 Limiters:  
 Threshold: -20 to +20dBu  
 Attack: 0.3 to 100ms  
 Release: 2 to 32X the attack time

### System Parameters

Configuration: 2or 3-Way

Note: specifications subject to change without notice