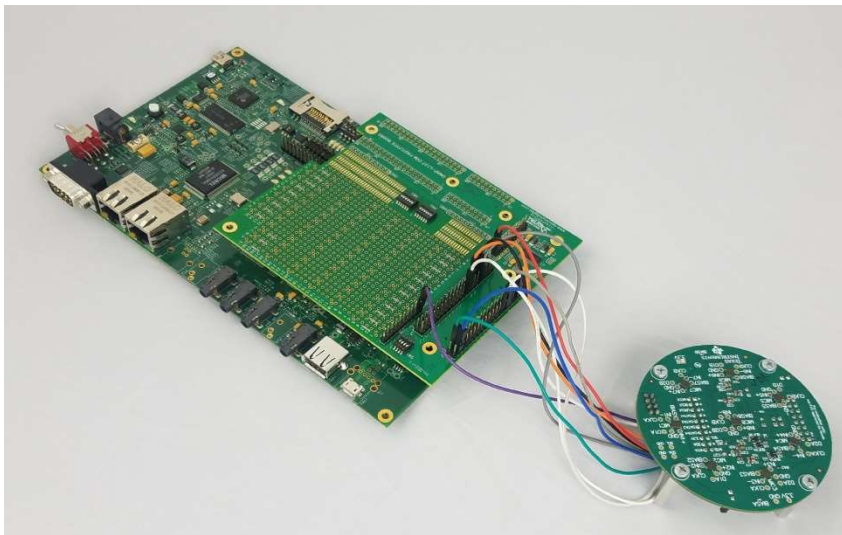


Demonstrating the Audio Preprocessing Reference Design for Voice-based Applications on C6747

TI Design: <http://www.ti.com/tool/tidep-0099>

C6747 Audio Preprocessing Demo Flow

C6747 EVM
BF+ASNR+MSS+DRC



8-mic
CMB

Headphone
→

Line out
→

LEFT:
Processed
Audio



Headphones

RIGHT:
Unprocessed
Audio

External
Sound Card



Audacity® audio editing software:
Split L & R channels to listen to clean
and unclean audio

For more information

- Audio Preprocessing System Reference Design for Voice-Based Applications Using C6747: <http://www.ti.com/tool/tidep-0099>
- Hardware:
 - OMAP-L137/TMS320C6747 Floating Point Starter Kit: <http://www.ti.com/tool/tmdsoskl137>
 - PCM1864-Based Circular Microphone Board (CMB) Reference Design: <http://www.ti.com/tool/TIDA-01454>
 - OMAP-L137 Prototyping Module: <http://www.spectrumdigital.com/omap-l137-prototyping-module>
- Software:
 - Processor SDK RTOS for C6747: <http://www.ti.com/tool/processor-sdk-C6747>
 - Audacity® Audio analysis tool: <http://www.audacityteam.org>
- Training:
 - Audio System Hardware with Voice as User Interface <http://training.ti.com/audio-system-hardware-voice-user-interface>
 - Code Composer Studio (CCS) Training: http://processors.wiki.ti.com/index.php/Category:CCS_Training
- For questions about this training, refer to the Texas Instruments E2E community forum for C67x Single Core DSP: https://e2e.ti.com/support/dsp/tms320c6000_high_performance_dsps/f/115