

MULTICHANNEL AUDIO16_BASE daughter card

The DSK_AUDIO16_BASE daughter card allows for the operation of up to four (4) DSK_AUDIO4 daughter cards on a single DSK. Sample software is available for the TMS320C6713 DSK and support will be provided for the Texas Instruments TMS320C6211/6711/6713/6416T/5510 DSP Starter Kits (DSKs). All logic for communicating with the DSK_AUDIO4 boards is contained in a single field-programmable logic array (FPGA). The DSK_AUDIO16 does not use the DSP's McBSPs.



On power-up, the board configures itself so that is completely compatible with all existing DUAL3006 software. By using a simple programming interface (sample software for Texas Instruments Code Composer Studio is available below), users can configure the daughtercard operation to meet their needs. The configuration includes;

- Independently select line or microphone input source for each channel
- Selectable 20db preamp for microphone input sources
- Control input and output programmable gain amplifiers

For advanced users who want complete control of the codec configuration, the programming interface also provides a codec-register write function to program any codec register.