



## ADSP 2191 DEVELOPMENT KIT

Digital Signal Processing (DSP) is one of the fastest growing segments in the Information and Communication technology market. However there is an acute shortage of human resources with experience in DSP due to lack of exposure to practical aspects of DSP hardware and software development. To give necessary exposure to the practical application development using DSP boards, the AD2191 DSP Development kit has been developed by ICS. This kit is a self-contained board using which DSP algorithms can be implemented and prototypes can be tested. ADSP-2191 DSP KIT consists of a development board that can be interfaced to the PC and a CDROM that contains a number of sample programs, which can be run on the board. This kit is capable of meeting the following functional requirements:

### FEATURES



ADSP 2191 Development Kit

1. Analog Devices ADSP-2191 DSP.
2. 140MHz Core Clock Speed.
3. Core Clock Multiplication Factor Selection Switch.
4. Maxim DAC and ADC.
5. Mic-In 3.5mm Stereo Jack.
6. Speaker-Out 3.5mm Stereo Jack
7. Flash Memory 128K x 8
8. Interface Connectors
  - a. SPORT0 and SPORT1 Connectors
  - b. UART/ RS232 serial interface
  - c. On board SRAM Memory sockets (populated)
9. General Purpose I/O: 4 Push Button Inputs and 4 LED Outputs
10. LM7805, LP3965 and LM1085 Voltage Regulators

### APPLICATIONS

This board can be used to develop and test a variety of applications such as

- Waveform generation and noise signals generation
- Generation of modulated signals such as AM, FM, ASK, FSK
- Demodulation of modulated signals
- FIR and IIR filter implementation
- Speech coding and decoding
- Implementation of software-defined radio

This board can be used effectively by engineering colleges/training institutions for laboratory work in Digital Signal Processing and also by final year students for carrying out their project work

For Further information, please Contact:

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