TMS 320C6748 DSP TRAINER KIT

DESCRIPTION

The TMS320C6748 floating- point DSP is a low-power applications processor based on a C674x DSP core. This DSP provides significantly lower power than other members of the TMS320C6000™ platform of DSPs.

KEY FEATURES

The BS-DSP6748 is a standalone development platform that enables users to evaluate and develop applications for the DSP processor.

HARDWARE OVERVIEW

The BS-DSP6748 comes with a full complement of on board devices that suit a wide variety of Application environments. Key features include,

- A Texas Instruments TMS 320C6748 device with a DSP floating
- Point processor and processor operating up to 300 MHz
- 8 user LEDs/8 position user DIP switch
- 2 Channel SPI based 1MSPS ADC
- 14 Pin TI JTAG for external program Interfaces

- TLV320AIC3106 Stereo Codec
- Configurable boot load options
- Single voltage power supply (+5V)
- 2 Channel SPI based DAC
- Embedded JTAG Emulation

LIST OF EXPERIMENTS

- ADC loop back
- Wave Form Generator (Sine, Cosine, Triangle, Square)
- Design FIR Filter
- Sampling theorem
- CODEC Loop Back

- N Point DFT & FFT
- Design IIR Filter
- Noise Removal
- Convolution & Correlation

ACCESSORIES

- BS-DSP6748 KIT
- Software CD (Manual, Software and Sample Program)

- USB Cable

BS Electronics