

MC56F8006DEMO_FIR_lab

Tone Detector

Tone Detector Setup

This demo will perform an FFT and report the strongest frequency input. The ADC and SCI are used, as well as the signal processing capabilities of the core of the DSC.

Connect the input signal as shown in the figure to J1-10, AN5 ADC input.

MC56F8006DEMO Block Diagram



Fr=10–4000 Hz
V=0.5+1.5V

Strongest Frequency Index = x
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