



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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DSP Analog Development Kit

Sku: 53311-704



Development Kit Options

Tools Included	12-24 Bit Compilers	24 Bit Compiler	Just H/W	Only PCB
Compiler for PIC10-PIC18	●			
Compiler for PIC24-dsPIC33	●	●		
Programmer	●	●	●	
Prototyping board	●	●	●	●
Power supply & cables	●	●	●	
Exercise book	●	●	●	
Price				
Buy Now ➔	Add	Add	Add	Add

The DSP Analog Development Kit demonstrates the DSP features of the dsPIC33EP256MU806 on an audio conditioning board. Along with a prototyping board, it includes the powerful PCWHD Integrated Development Environment with compiler support for Microchip's 8-bit and 16-bit PIC[®] MCU families and an ICD-U64 in-circuit programmer/debugger that supports C-aware real time debugging. The Texas Instruments TLV320AIC23B audio codec allows the user to sample microphone inputs and produce digital signal outputs. The TLV320AIC23B permits sample rates of 8, 32, 44.1, 48, and 96 KHz and the dsPIC[®] DSC running at 40 MIPS provides plenty of horsepower for user applications.

This board also includes a Texas Instruments TLV320AIC23B audio codec. This codec allows the user to sample microphone inputs and produce digital signal outputs. The TLV320AIC23B permits sample rates of 8, 32, 44.1, 48, and 96 KHz and the dsPIC[®] DSC running at 70 MIPS provides plenty of horsepower for user applications. The development kit provides for line in, line out, microphone in, and amplified audio out (for headphones).

Exercise tutorial includes examples for reading/writing to the codec using the DMA peripheral. FAT libraries are included in the CCS C Compiler.

The character LCD included on the prototyping board provides a user interface for quick development. Development Kit comes equipped with a prototyping board.

DSP Analog Prototyping Board (Size: 4" x 3.2") Includes:

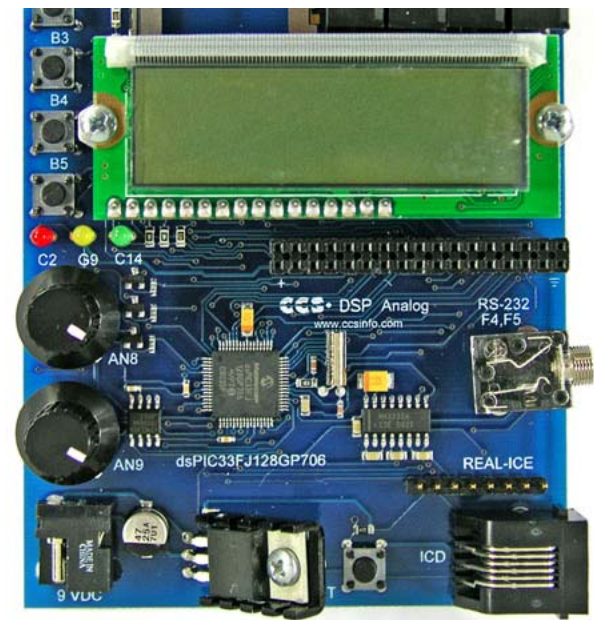
- dsPIC33EP256MU806
- 21 I/O Pins (8 Can Be Analog)
- Two Potentiometer



- Four Pushbuttons
- Three LEDs
- LCD (2 x 16)
- SD Card Reader
- RS-232 Port
- ICD connector
- TI TLV320AIC23B Codec
- Headphone Out
- Microphone In
- Line Out/Line In
- Speaker Out

DSP Analog Development Kit Includes:

- DSP Analog Prototyping Board
- In-Circuit Debugger/Programmer
- Exercise Tutorial
- 9V AC Adapter
- Modular Cable
- USB Cable
- Clip-On Microphone



Other Products

CLRsprk and CLRdsp products from West Mountain Radio are noise reduction products using the Microchip dsPIC33FJ128GP706. These products have the capability for a user to re-program this board via ICSP using a Tag-Connect and any CCS programmer.