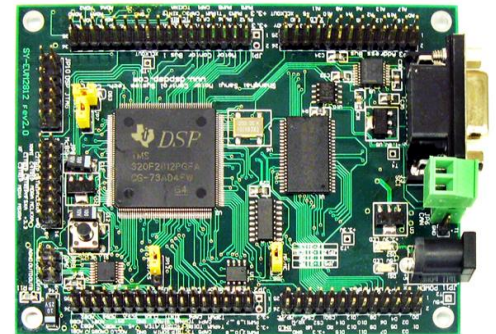




This TI DSP evaluation board provides customizable A/D power supply and A/D reference voltage to insure the accuracy of A/D sampling.

This evaluation board offers 32-bit fix-point Flash DSP operating at 150MHz, 18K x 16 bits on-chip SRAM and On board IEEE1149 JTAG interface for real-time emulation. It features On-board VL-Bus, data/address/control connections and special function pins connection. This evaluation board forms a complete digital servo motion control system by interfacing with one or two L/HVD (Low/High Voltage Driver) board to drive one or two motors.



Key Features

- ✓ On-board TMS320F2812 DSP, 32-bit fix-point Flash DSP, operating at 150MHz
- ✓ 128K x 16 bits on-chip Flash program memory, Flash encrypt able
- ✓ 18K x 16 bits on-chip SRAM
- ✓ 256K x 16 bits extended SRAM as program/data RAM (upgradable to 512K x 16 bits)
- ✓ 8K words (16K bytes) extended EEPROM as parameter ROM, with SIP interface
- ✓ 4 channels of 12-bit extended DAC sync output with SIP interface
- ✓ Standard RS232, CAN communication interface
- ✓ On-board VL-Bus, data/address/control connections and special function pins connections
- ✓ On board IEEE1149 JTAG interface for real-time emulation
- ✓ Power supply: $5 \pm 10\%$ VDC
- ✓ Custom designed A/D power supply and A/D reference voltage



to insure the accuracy of A/D sampling

- ✓ Interface with IB2812 to recognize keyboard and display panel
- ✓ Two independent MCBUS designed for motion control system; form a

complete digital servo motion control system by interfacing with one or two L/HVD (Low /High Voltage Driver) board to drive one or two motors

Other Items Included

- ✓ All test source code for CCS test, PWM test, ADC test, SPI test, SCI test, CAN communication test, FFT test, DC brush/brushless motor test, AC ,motor SPWM and SVPWM test
- ✓ Hardware user manual





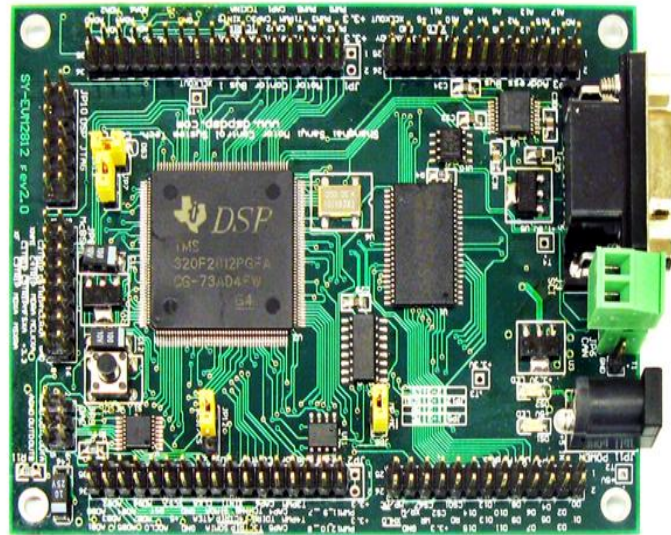
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Product Overview

TI DSP Evaluation Board (EVM2812)



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