

Product Name :

Digital Signal Processor Trainer

Product Code :

Digital0003

Description :

Digital Signal Processor Trainer

Technical Specification :

Digital Signal Processor Trainer

- DSP Integration Development Environment Program
- Display the TMS320C50 internal architecture
- Edit, Assemble, Compile, Download & Program Run of source file
- Code memory disassembles function
- TMS320C50 register block & external memory dump and editing functions
- Program scroll display function
- Pop-Up menu display
- Program stop to "ESC" key
- Use to keyboard & mouse
- Direct input to machine language
- Various command function
- I/O Port & interrupt experiment
- I/O Port & experiment use to C language
- I/O output function use to audio or analog signal

- Analog Signal input function use to 16 bit A/D converter
- Analog Signal output function use to 16 Bit D/A converter
- Extension memory & I/O port interface connector for use
- +5V, +12V, -12V S.M.P.S. (free voltage) power
- Wood / Plastic case

Specifications :

- PC operation program : DSP Integration Development Environment Program
- Main RAM : 64 KB (62256 x 2)
- Monitor ROM : 128 KB (27512 x 2)
- Display unit : LCD (16 x 4 lines)
- Serial port 1 : RS 232C (8251A x 1)
- System clock : 40 MHz
- Memory & I/O decoder : PAL 16L8 or GAL16V8 x 2
- DSP Integration Development Program :
- Display the TMS320C50 internal architecture
- Edit, Assemble, Compile, Download & Program running of source life
- Code memory disassemble function
- Program the trace, Break function
- Pop Up menu display
- Key board : 16 key of Data, 8 key of Function
- Expansion connector (I) : System 40 pins connector x 2
- External interface connector 20 pins x 1
- 8255A A, B, C, port 30 pins x 1
- Expansion connector (II) : Emulator 14 pins connector x 1
- Audio interface (AIC) : TLC32040 (12 bit include with to A/D, D/A)
- Audio jack : Input x 1, Output x 1

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- A/D converter : ADS7805P (16 bit)
 - D/A converter : DAC712P (16 bit)
 - I/O output : 10 x 8
 - I/O input & interrupt switch : 8 pins DIP switch x 1,
 - TACT switch x 4
 - External I/O interface : 8255A x 1
 - STEP motor interface : Driver T.R. x 4
 - System bus indicator : LED (5Ø) x 12
 - Power : 220V AC
 - Board size : 310 x 265 mm
 - Wood / Plastic case : 100 x 300 x 430 mm (H x D X W)

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