SPCL-0004-T20

The SPCL-0004-T20 Computer board in 3.9" x 6.3" format for the NMI trade mark series. Provided with Motorola F68HC11- based CPU board and 8-channel 12-bit A/D and 4-channel 12-bit D/A

FEATURES

- F68HC11 V3.5 CPU
- Max-FORTH built-in programming language
- 231 predefined words in the language
- 3 parallel ports
- 1 Asynchronous Serial Channel. RS-232, 422, or 485
- 1 Synchronous Serial Channel, TTL
- 8-channel, 8-bit A/D
- 4-channel, 12-bit A/D-4096 full scale counts can be upgrade to 8-channel
- Differential input protected up to 70Vp-p
- Unipolar/Bipolar selectable inputs
- Input ranges from +/-5mV to +/-10V full scale
- AD574 converter chip
- (2) HI-549 Multiplexers 8 channel inputs
- (4) AD7248 4-channel 12-bit D/A
- AD625 Instrument Amplifier
- Gain factor of 1 to 1024, set by resistor value
- Trim pots for span/Zero calibration settings
- Ext. +/-12 to 15V "analog" power supply accepted
- 8-bit counter
- 16-bit timer
- 3 input captures
- 5 output compares
- 1/2K internal EEPROM
- 8K/8 external SRAM can be upgrade for more
- 64K address space
- Intelligent LCD interface
- 4x5 Keypad interface

http://www.newmicros.com
Voice (214) 339-2204
Fax (214) 339-1585

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The SPCL-0004-T20 is a complete system and ready to run dedicated applications. Simply plug in power and attach a host RS-232 port, and begin programming Then the user program can be added to its internal **EEPROM,** or its external EEPROM, EPROM or battery backed RAM.

The SPCL-0004-T20 Special makes a very cost effective solution as a target system for the 68HC11 with Intelligent LCD and 4x5 keypad interface, particular when small size, CMOS low power, and ease of development are required. Few single board computer offers so many features in such a small space. High level Language support offers resident FORTH and, optionally, BASIC and Assembly Language. FORTH and C cross compilers and cross Assembly also available. The SPCL-0004-T20 makes a very cost effective solution. No other computer board offers so many features in such a small space.

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