

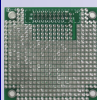
ATMEL Based Microcontroller Boards

Peripheral Boards

Peripheral Boards for our MINI-MAX and PRO-MAX Series Microcontroller boards and other ATMEL-based boards



TB-1: Training Board. Perform various experiments with the ATMEL microcontrollers and learn about programming. TB-1 has 3 LED's, 4 analog inputs, buzzer, 2 switch/interrupt inputs, and 2 counter/timer inputs.



PROTO-1: Prototyping board. Interface your own circuits to ATMEL Microcontrollers.



TERMINAL-1: Brings out Ports 1 and 3 of ATMEL Microcontrollers to terminal blocks for easier access.



LED-1: 7-segment display board has four 7-segment red LED displays with decimal point. Also available in yellow and green upon request.



DIO-1 Board: Input/output expander board with 8 open/collector outputs and 12 TTL/CMOS inputs/outputs. Each output can drive a 400mA load such as a stepper motor, servo motor or relay.



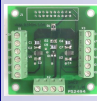
DAQ-2543-DA1: Data acquisition board with 11 analog inputs. Input range is 0 to 4.096 Volts with 12-bit resolution. All inputs are connected to terminal blocks. Also includes a 10-bit Analog Output.



KP1-4X4: 4 by 4 matrix keypad. Plugs directly to MINI-MAX and PRO-MAX boards.



DAQ-127 and DAQ-128 are 8-channel, 12-bit, Analog Input and 1 channel, 10-bit Analog Output peripheral board. DAQ-127 has +/- 10 Volt input range. DAQ-128 has +/- 4 Volt input range.



DAC-1 and DAC-2 are 8-bit Digital to Analog Converter (DAC) boards with 2-wire interface. DAC-1 has 4 analog output channels. DAC-2 has 8 analog output channels.



MOTOR-1: Stepper motor driver board that offers complete control and drive for a four-phase unipolar stepper-motor up to 1.5A.



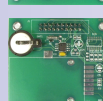
RELAY-1: Relay peripheral board with one 10A relay. Normally Open and Normally Closed contacts.

RELAY-2: Same as RELAY-1 with two 10A relays.

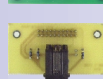
RELAY-4REED: Peripheral board with 4 Normally Open Contact reed relays, 0.5A contact rating.



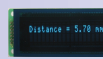
MMC/RTC: Flash storage card with real-time clock accepts standard Multimedia Cards (MMC) for up to 128 Megabytes of storage. Ideal for data logging applications.



RTC-1: Real Time Clock board. Backed with a Lithium battery, the clock/calendar circuit keeps seconds, minutes, hours, day, date, month and year in the absence of external power.



X10-1: Connects ATMEL Microcontrollers to standard X10 devices through the TW523 powerline interface.



VFD202: 20 characters x 2 lines Vacuum Fluorescent display. Connects directly to Port 0 of ATMEL Microcontrollers with the included cable.



LCD242: 24 characters x 2 lines LCD display. Connects directly to Port 0 of ATMEL Microcontrollers with the included cable. Also available in LED backlit version.

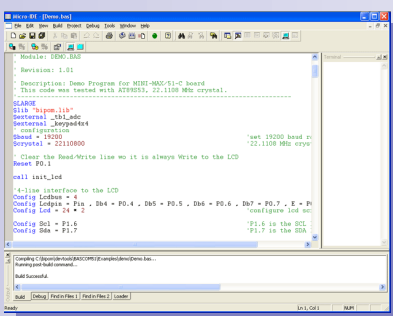


TW523 is a two-way X10 power line interface module. When used in conjunction with our X10-1 module, TW523 interfaces MINI-MAX boards to X10 devices.



Standoff Kit-1: Connects MINI-MAX and PRO-MAX boards to a wide range of peripheral boards. The standoff kit consists of 12 pieces of plastic screws and spacers.

Development Tools for ATMEL Microcontrollers



Micro-IDE

Micro-IDE is a Windows based Integrated Development Environment for ATMEL micro-controller project development. Micro-IDE is fully user-configurable to convert command line development tools such as compilers, assemblers and utilities into Windows applications.

8051 Development System

The ultimate ATMEL 8051 Development platform at a very affordable price includes:

- Micro-IDE Integrated Development Environment
- Micro C - Optimizing 8051 C Compiler, assembler, linker, serial loaders and terminal
- Complete online documentation including C Tutorial, Technical Manual, project examples

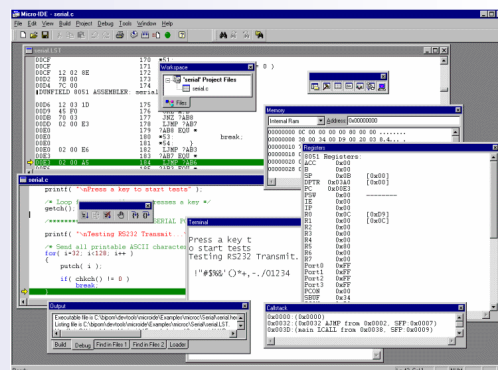
BASCOM 51

ATMEL 8051 Basic Compiler. Develop projects for the 8051 in easy-to-use Basic programming language. BASCOM51 includes:

- Micro-IDE Integrated Development Environment
- BASCOM51 8051 Basic compiler
- Over 70 BASIC project examples
- Downloaders for all BiPOM boards
- Bascom51 Online Users Manual

ATMEL 8051 Family Simulator/Debugger

Powerful, yet easy to use and affordable Atmel Family 8051 simulator/debugger simplifies code development with Micro C and Micro-IDE. Errors in programs can be found and fixed quickly in simulation mode or with real-time debugging on the target ATMEL microcontroller.



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