



Technological Arts Inc.

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Adapt912D

Product Info

Features:

- compact (2.25 inches x 3.25 inches) modular implementation of 68HC912D60A microcontroller (112-pin pin TQFP version)
- up to 86 general purpose I/O lines, all programmable as input or output
- up to 18 input-only lines
- 16 inputs usable as key-wake-up
- CAN 2.0 module with on-board physical layer transceiver (PCA82C250)
- dual independent 8-channel 10-bit ADCs
- provision for two independent on-board precision voltage references (optional)
- 4-channel (8-bit) or 2-channel (16-bit) PWM
- dual SCI (one with RS232 interface and one with RS485 interface)
- on-chip memory:
 - 60K Flash (separate 28K and 32K blocks, with 8K Bootblock in each)
 - 2K RAM
 - 1K EEPROM
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- versatile connector design for use with solderless breadboards, prototyping cards, or embedding into your design
- primary 50-pin connector for dedicated I/O
- secondary 50-pin connector for additional I/O or expanded mode memory bus
- memory expandable offboard possible, up to 64K with 8-bit or 16-bit data bus
- memory expansion board available (Adapt912DMX1)
- Background Debug Mode (BDM) fully supported for loading and debugging your code
- universal 6-pin/10-pin BDM connectors support BDM pods from multiple vendors
- program in C, BASIC, Forth, assembler, etc.
- fully compatible with ImageCraft's ICC12 C compiler
- 500mA 5V regulator on-board, delivers adequate power for most applications

Product Details

Description:

Adapt912DT60A is a compact, modular *Adapt12* form factor board, compatible with an entire range of application cards, prototyping cards, backplanes, and usable with solderless breadboards (**proto boards**). It includes a 5-volt regulator, and both RS485 and RS232 transceivers (usable simultaneously) on board.

Here are a couple of ways you can use Adapt912DT60:

- fully assembled and tested Adapt912DT60A module with on-chip bootloader
- module supplied with -RA (H1) and -M (H2) connector options (or you can specify)
- disk includes documentation, SBASIC compiler and AS12 assembler
- ADHDR50-F adapter (lets you plug Adapt912 into your solderless breadboard for easy interfacing)
- standard 9-pin serial cable

Want to know more? Ready to buy? Click on the various folder icons at the top of the page to see all available Adapt912DT60 modules, starter packages, and memory expansion.

[Documentation](#)

- [Pinout and Component Layout](#)
- [912D60 Block Diagram](#)
- [912D60 Memory Map](#)
- [MCU Pinout](#)
- [912D60A Datasheet](#)
- [Support Library](#)

[Resources](#)

Be sure to visit our [Support Library](#) for the latest manuals, data sheets, app notes, and code examples



Adapt912DT60A MCU Module
USD \$199.00

[\[Product Details...\]](#)