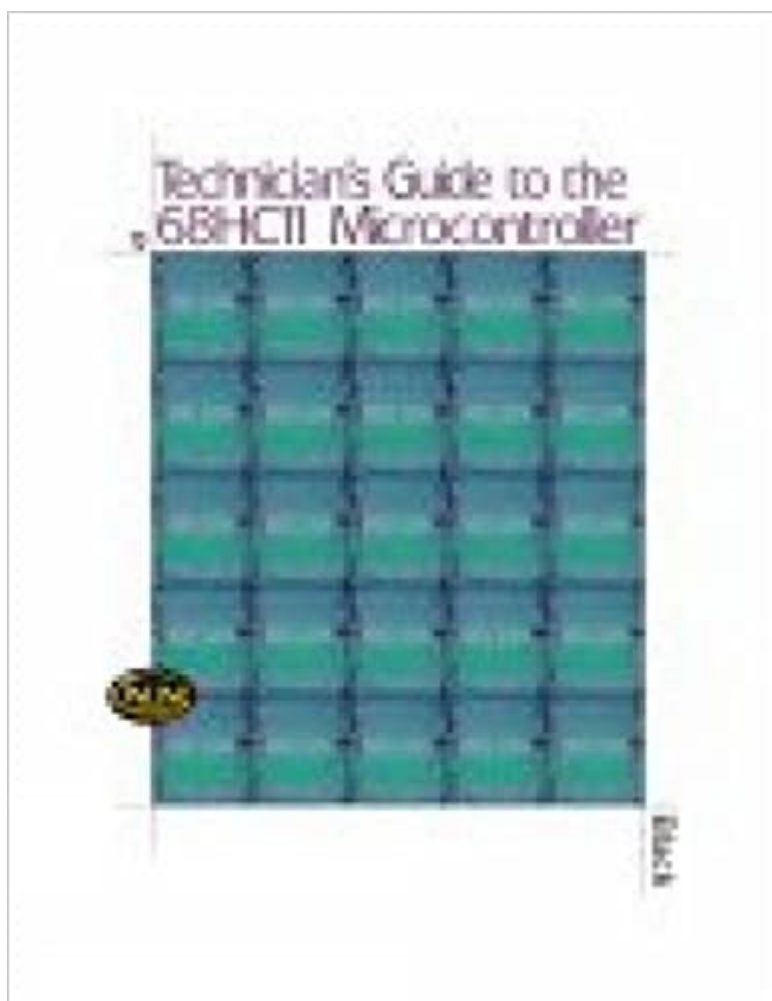


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# Technician's Guide To The 68HC11 Microcontroller



## Synopsis

Technician's Guide to the 68HC11 Microcontroller is ideal for readers with little or no prior programming experience who want to master the basics of troubleshooting and programming Motorola's 68HC11 microcontroller. Both hardware and software are covered in detail to provide a complete understanding of the principles underlying how a microcontroller works. Theory is supplemented by examples designed to illustrate how concepts may be applied. By learning how to program the 68HC11 at an elementary level, readers also gain valuable experience using manufacturer-specific documentation that prepares them for work with other more sophisticated microcontrollers.

## Book Information

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Mr. Chartrand holds a Bachelor of Science degree in electrical engineering from Queen's university in Kingston Ontario. He has been teaching digital courses for 20 years at Niagara College in Welland , Ontario. Mr. Chartrand has made industry contributions with various designs including

interfacing an infrared camera to a PC, creating a digital circuit board used as a PC training system, and designing a control pendant for an air-filled medical bed. He also worked as a plant engineer for General Motors.

I have to confess that this book was a bit hard for me to read...and not for any reason that you might think. Out of 8 boxes of books in the back of my truck during a torrential downpour, it was the ONLY one that got wet...and not just damp, but soaked. So...reading it after it dried and wrinkled was a PAIN. But, even in spite of the pain, it was/is a good read. The author (and perhaps editorial staff?) put a LOT of effort into making this book a really useful text. Many of the figures use gray scales and light/dark accents to highlight the relevant elements in the discussion. This is the "manual" that should have been available for purchase when the first M68HC11 parts were rolling off of the production line in the early 90s. Today, it is a challenge to purchase these parts. Likewise, the evaluation boards and tools used in working through the examples in the book are obsolete, no longer in production and/or available only from factory-unsupported or enthusiasts web sites. While the M68HC11 has given way to the M68HC12, which is still available, there are far more functional parts available from both Freescale/Motorola and a number of competitors' products. A typical microcontroller from Microchip, Freescale, Renesas, NXP, Texas Instruments, Atmel and others is likely to have far more on-chip resources and be much more of a single chip solution for a wide-variety of uses than the parts described by this book that require multiple chips for many functions. This is the nature of the industry and not meant to detract from the usefulness of the HC11, but its day is (as is obvious from its lack of availability) in the past. If you happen to be working on an HC11-based project (which prompted the purchase of this book), I highly recommend it. I don't think that there is any corner of the part left untouched by this careful, thoughtful author. I highly recommend this book if you're supporting a legacy product based on the incredibly prolific "Motorola" HC11.

Book was in excellent shape.

Excellent service and nice product!!

This author has a hard time explaining simple topics in this book. I think hes autistic. I feel this book would have been useful decades ago when microcontrollers just came out. Personally, I feel the HC11 is obsolete in the tech feild since everyone is using the Arduino.

The book is great (price is too high though), you are describing the wrong author...the other is not Chartrand from Niagara College...but is Dan Black.

Came in good shape. I did buy it used, but there are no markings and wasn't used all that much.

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