Seehau HC12 Flash and EEPROM Support

Motorola offers many variations of flash and EEPROM on the 68HC12 family. Nohau gives support to many of them. This document is an attempt to make the current and planned support situation as clear as possible.

The various support methods are described at the end of this document

Motorola Part	Flash support	EEPROM support
68HC812A4	(No flash in part)	Toolbar Button
68HC912B32	Toolbar Button	Toolbar Button
68HC912D60		
68HC912DA128	Toolbar Button	Toolbar Button
68HC912DG128	Toolbar Button	Toolbar Button
68HC912D60A		
68HC912DA128A	Tools menu item: "PROM Programming… "	
68HC912DG128A	Tools menu item: "PROM Programming… "	
68HC912DT128A	Tools menu item: "PROM Programming… "	
MC9S12DP256	Tools menu item: "PROM Programming… "	DP256EEPrg.bas macro
MC9S12H256	Tools menu item: "PROM Programming… "	DP256EEPrg.bas macro

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As of January 22, 2002

Planned for release in January 2002:

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68HC812A4	Toolbar Button	No EEPROM in part
68HC912B32	Toolbar Button	Toolbar Button
68HC912D60		
68HC912DA128	Toolbar Button	Toolbar Button
68HC912DG128	Toolbar Button	Toolbar Button
68HC912D60A	Tools menu item: "PROM Programming… "	Tools menu item: "PROM Programming… "
68HC912DA128A	Tools menu item: "PROM Programming… "	Tools menu item: "PROM Programming… "
68HC912DG128A	Tools menu item: "PROM Programming… "	Tools menu item: "PROM Programming… "
68HC912DT128A	Tools menu item: "PROM Programming… "	Tools menu item: "PROM Programming… "
MC9S12DP256	Tools menu item: "PROM Programming… "	Tools menu item: "PROM Programming… "
MC9S12H256	Tools menu item: "PROM Programming… "	Tools menu item: "PROM Programming… "

Details

Tools menu item: "PROM Programming…"

This calls up a window that lets the user specify the file to be programmed into the part and other options. A single load file can program both flash and EEPROM, and non-fatal warning messages are given for attempts to program outside the flash and EEPROM. This method makes only one pass down the load file and is several times faster than the other methods.

Toolbar Button

This method invokes a macro from a toolbar button with a diagonal fat arrow. This macro displays its progress with many messages boxes. Each message box must have its OK button clicked before the process proceeds to the next step. This method also makes many passes down the load file. For flash programming it is about three times slower than the "PROM Programming…" menu item.

DP256EEPrg.bas macro

This macro was written specifically to provide a quick solution for customers who needed to load the EEPROM in "HCS12" parts. It just programs all of EEPROM from a load file. Its error detection and reporting are minimal, and it has no progress reporting.