



M6800 Resident Software



The M6800 Resident Software consists of an Editor and Assemblers designed to operate in conjunction with the EXORciser's EXbug Firmware and the MIKBUG and MINIBUG Firmware of the Evaluation Module. Together, this Software/Firmware combination facilitates the development of software in real time with the actual peripheral devices incorporated in the development system.

This means that the final system software can be prepared, assembled and debugged in its actual working environment. Specifically, the Editor and Assembler routines of the Resident Software can be used to prepare and assemble the system software, while the EXbug, MIKBUG or MINIBUG Firmware is used to debug the software as well as the system hardware.

The M6800 Co-Resident Editor and Assembler can co-reside in an 8K byte read-write memory. The Co-Resident Software and the Macro Assembler/Linking Loader are available in several media – cassette, paper tape, and diskette.

The Co-Resident Editor

The Co-Resident Editor consists of a number of program routines that are useful in creating or modifying alphanumeric text. In particular, it facilitates the creation, correction and modification of M6800 source programs.

The Co-Resident Assembler

The M6800 Co-Resident Assembler may be used with the EXORciser and Evaluation Module to translate M6800 Source Programs to machine language.

The Resident Macro Assembler and Linking Loader

This software provides more powerful development capability for the EXORciser. Included are relocation, linking, macros, conditional assembly, and combination of relocatable object modules to produce an absolute object image.

Resident FORTRAN Compiler

The Resident FORTRAN Compiler provides the EXORciser with a high-level program development capability. This Compiler is a subset of the ANSI standard for FORTRAN IV.