# Z8038000ZAS
## Z80380 ASSEMBLER, LINKER AND LIBRARIAN

## GENERAL DESCRIPTION

### The Z80380 Macro Assembler

The Z80380 Macro Assembler (ZASM) generates relocatable object code modules in IEEE 695 OMF format. The assembler also handles macros and conditional assembly, eliminating the need for a macro preprocessor.

### The Z80380 Linker

The Z80380 Linker (ZLINK) links object modules produced by the assembler. The linker produces two files:

- an absolute object file in Motorola S-record format, and
- an optional comprehensive linkmap file.

Linking offers the benefits of:

- smaller, faster-assembling modules,
- use of local and global variables, and
- ease of relocating to a specified address.

Linking lets the user develop commonly-used routines separately, test them, and link them to programs under development.

### The Z80380 Librarian

The Z80380 Librarian (ZLIB) is the librarian facility. The librarian can be used to place the relocatable object files in a library. In this way, the user can collect user-defined modules which allows commonly used routines to be easily included in programs.

### Requirements

The PLC Z80380 Macro Assembler/Linker/Librarian requires an IBM® PC or true compatible with:

- DOS 5.0 or higher
- 5 Mbytes of hard disk space
- floppy drive
- mouse
- 80386 or 80486 CPU
- 4 Mbytes of RAM

#### Device Supported
Z80380/Z80180/Z84C00

### Kit Contents
#### Software (IBM PC platform)
Assembler, linker, librarian

#### Documentation
Macro Assembler/linker/librarian User's Guide.
Registration Card.

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