MPL II

Burroughs
Computer Management System

System Software Specifications

Message Processing Language Compiler for the B 80 Computer System

STYLE NUMBER

CM 80 MPL

CAPABILITY

The Message Processing Language (MPL II) is a compiler language used to solve logic and data communications message control problems. It is a procedure-oriented language with extensive subscripting, substringing, and data concentration abilities. Data declarations include arrays and substructures in bit or character formats. Data space may be allocated as permanent, local to procedures (shared space), dynamic (size calculated at run time), and virtual.

Data communications constructs of MPL II may interact with the user's NDL-generated program.

Burroughs MPL Compiler converts source programs written in the Message Processing Language into compact object programs for execution on B 80 Systems.

GENERAL FEATURES

Programming Simplicity

MPL II is a high-level programming tool that expedites the implementation of logic and decision-making applications on the B 80. The programmer does not have to be concerned with the physical technicalities of the computer. Instead, he uses MPL II to express the problem solution.

Operating Efficiency

Compiled MPL II programs operate under supervision of the Master Control Program (MCP). A MPL program or its program segments can be multi-programmed with other language programs to allow efficient use of all system resources.

The B 80 System accommodates a user-to-data communications interface. Through this interface, if the user desires, he may maintain rigid control over the system and handle system decisions such as file security, file control, second-level handling, pre-processing and post-processing of messages.

Growth Without Re-Programming

MPL II programs prepared for a basic B 80 System will operate without change on larger Burroughs systems. No re-programming, or even re-compilation, is required, yet the programs will benefit fully from the larger system's higher speed and more powerful resources.

SYSTEM REQUIREMENTS

Central
Processor: B 80

Peripherals: Burroughs Super Mini-Disk or cartridge disk

System
Software: Master Control Program (MCP)
            MPL II Interpreter

PRODUCT IDENTIFICATION

Program ID	Description	Media	Support Category
CM 80 MPL	Compiler	Object Code	A*

*Support Category A indicates a "Supported Licensed Program" as defined in the Program Products License.

Burroughs **B**