Expansion Memory

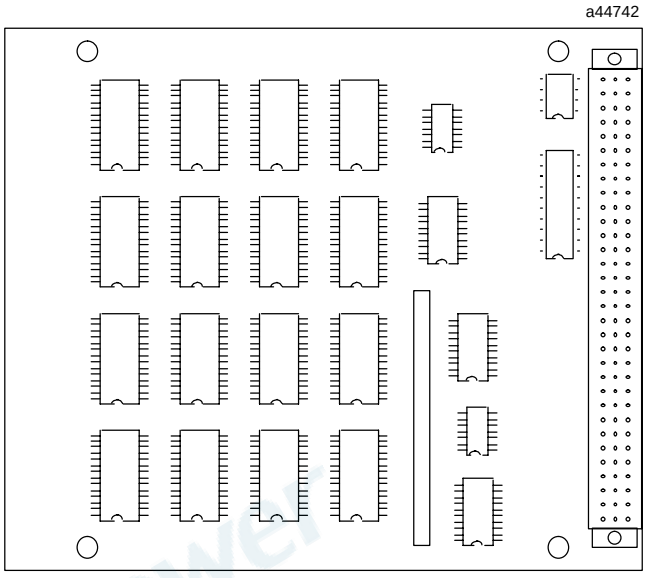
IC697MEM713 / 715 / 717 / 719

GFK-0160F
August 1997

CMOS Expansion Memory

Features

- Available in 64, 128, 256 and 512 Kbytes
- For expansion of CPU 771, CPU 772, or PCM
- Memory retained by battery on CPU or PCM
- Does not require additional slot
- Configurable for data and program storage
- Error checking by CPU checksum routine
- No tools required for installation
- Field Installable



Functions

This CMOS Expansion Memory is available in four versions; 64, 128, 256 and 512 Kbytes. This memory may be used to expand logic and data memory in either the CPU 771 (IC697CPU771) and CPU 772 (IC697CPU772) modules, or the Programmable Coprocessor Module (IC697PCM711). It is installed as a daughter board and resides in the same slot as the module it serves. Memory on this board supplements memory available on the base board.

Memory is retained in the event of power loss by the battery on the base board housing.

Logic program memory is continually error-checked by the PLC CPU as a background task.

The PCM error checks storage memory when power is cycled and on hard or soft resets.

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Installation

- Installation should not be attempted without referring to the applicable *ProgrammableController Installation Manual* (See reference 4).
- Make sure rack power is off.
- Plug the 64 pin connector into the connector on the base board, and engage snaps.
- Place module in rack.
- Turn power on.

CPU Installation:

- Clear memory using either MS-DOS® or Windows® programming software following instructions in the *Programming Software User's Manual* (See reference 1).

PCM Installation:

- For the PCM follow the instructions in the *Programmable Coprocessor Module Support Software User's Manual* (See reference 3).

Batteries

The Lithium battery (IC697ACC701) is installed as shown in figure 1. This battery maintains user memory when power is removed and operates the calendar clock on the PLC CPU. Be sure to install the new battery before removing the old battery. Specific indication of a low battery state is detailed in References 3 and 4.

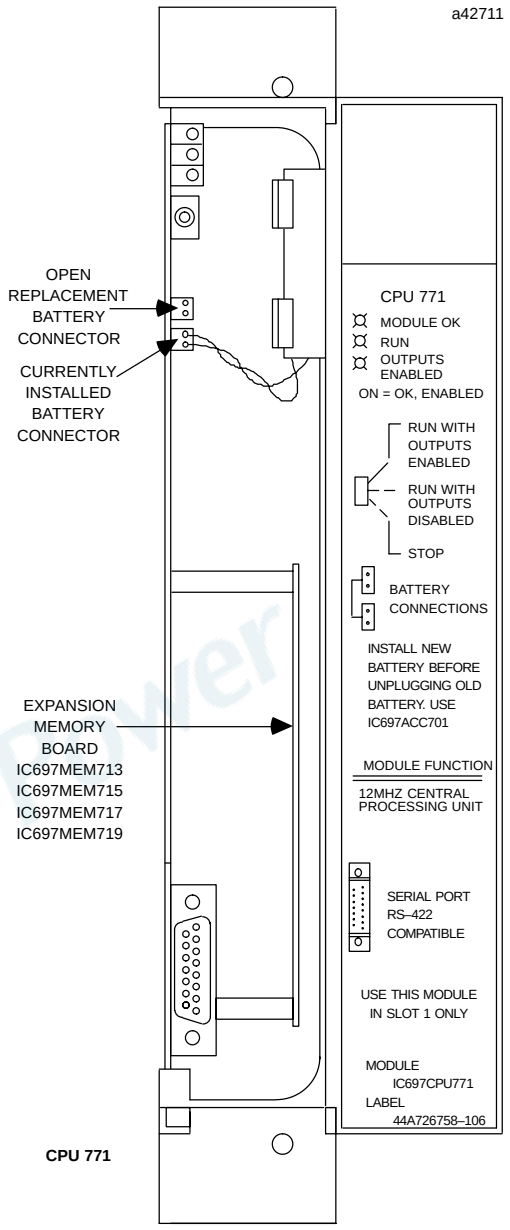


Figure 1. Location of Expansion Memory and Battery on CPU771/772 and PCM

Expansion Memory 3

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Table 1. References

Reference	Title
1	Programming Software User's Manual
2	Programmable Controller Reference Manual
3	Programmable Coprocessor Module and Support Software User"s Manual
4	Programmable Controller Installation Manual

Table 2. Specifications for IC697MEM713/715/717/719 †

Battery	
Shelflife	10 years at 20° C (68° F)
Memory retention	6 months nominal without applied power.
VME	System designed to support the VME standard C.1

† Refer to GFK-0867B, or later for product standards and general specifications.

Table 3. Ordering Information

Description	Catalog Number
64 Kbyte CMOS Expansion Memory	IC697MEM713
128 Kbyte CMOS Expansion Memory	IC697MEM715
256 Kbyte CMOS Expansion Memory	IC697MEM717
512 Kbyte CMOS Expansion Memory	IC697MEM719
Lithium Battery	IC697ACC701

Note: For Conformal Coat option, or Low Temperature Testing option please consult the factory for price and availability.