

IC697MEM717

Series 90-70 256 KB CMOS expansion memory

Battery-retained controller program and data memory

PRODUCT SNAPSHOT

BRAND

General Electric

FAMILY

GE Fanuc Series 90-70 memory

PART

IC697MEM717

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PRODUCT OVERVIEW

Battery-retained controller program and data memory

1

Adds 256 KB of CMOS memory

2

Mounts directly on the host module

3

Uses the host battery for retention

4

Supports CPU checksum error detection

SYSTEM COMPONENTS

IC697CPU771 or IC697CPU772

IC697PCM711 where applicable

host-module battery

approved controller memory configuration

TECHNICAL NOTE

Remove power, verify the host battery and discharge controls, protect daughterboard contacts from ESD, and restore the approved memory allocation.

TECHNICAL DATA

PARAMETER	VALUE
Memory capacity	256 KB
Memory technology	Battery-backed CMOS RAM
Compatible CPUs	IC697CPU771; IC697CPU772
Compatible coprocessor	IC697PCM711

PARAMETER	VALUE
Installation	Daughterboard on host module
Additional rack slots	0
Retention source	Battery on host module
Error checking	CPU checksum routine

ENGINEERING NOTE

Remove power, verify the host battery and discharge controls, protect daughterboard contacts from ESD, and restore the approved memory allocation.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens 6SE7031-7HG84-1JC2	Related industrial automation product	View Siemens 6SE7031-7HG84-1JC2 page
Siemens 6SE7031-7HG84-1JC1	Related industrial automation product	View Siemens 6SE7031-7HG84-1JC1 page
Anybus AB9001-B	Related industrial automation product	View Anybus AB9001-B page
ABB RPBA-01-3ABD64606859	Related industrial automation product	View ABB RPBA-01-3ABD64606859 page
Bently Nevada 330877-080-37-00	Related industrial automation product	View Bently Nevada 330877-080-37-00 page
Bently Nevada 330909-00-80-10-02-00	Related industrial automation product	View Bently Nevada 330909-00-80-10-02-00 page
Bently Nevada 330703-000-050-10-02-00	Related industrial automation product	View Bently Nevada 330703-000-050-10-02-00 page
Bently Nevada 330703-000-060-10-02-00	Related industrial automation product	View Bently Nevada 330703-000-060-10-02-00 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

CPU logic-memory expansion

Adds 256 KB of CMOS memory

Data-table capacity increase

Mounts directly on the host module

Programmable coprocessor storage

Uses the host battery for retention

Memory daughterboard replacement

Supports CPU checksum error detection

PRODUCT PRECAUTIONS

- 1 Verify the complete IC697MEM717 marking and its assigned GE Fanuc Series 90-70 memory position before work.
- 2 Place the connected cpu logic-memory expansion process in the approved maintenance state.
- 3 Isolate applicable power and battery-retained controller program and data memory field energy before disconnecting conductors.
- 4 Record connector, conductor, address, firmware and software identities before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- 6 Confirm the installed IC697CPU771 or IC697CPU772 and IC697PCM711 where applicable against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended data-table capacity increase function and retain the final test result.

ENGINEER FAQ

Q1 Does IC697MEM717 match IC697CPU771 or IC697CPU772 in a CPU logic-memory expansion installation?

Verify the complete IC697MEM717 marking, the documented GE Fanuc Series 90-70 memory position and the installed IC697CPU771 or IC697CPU772 before fitting the assembly.

Q3 Which GE Fanuc Series 90-70 memory records should be captured before removing IC697MEM717?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with IC697MEM717 before disconnection.

Q5 Which IC697PCM711 where applicable condition should be checked when IC697MEM717 reports an abnormal state?

Check the IC697PCM711 where applicable supply, seating and connection first, then compare channel diagnostics with the recorded IC697MEM717 baseline.

Q7 What maintenance evidence is required after IC697MEM717 is used for Programmable coprocessor storage?

Retain the nameplate record, corrective action, final diagnostics and a controlled programmable coprocessor storage functional-test result for IC697MEM717.

Q2 How should IC697MEM717 be wired when it must adds 256 kb of cmos memory?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for IC697MEM717; then continuity-test the affected path.

Q4 What controlled test confirms that IC697MEM717 can mounts directly on the host module?

Apply the approved field or simulated stimulus, observe the GE Fanuc Series 90-70 memory indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can IC697MEM717 be moved directly into Data-table capacity increase without validating approved controller memory configuration?

No. Confirm the approved controller memory configuration, revision, connection scheme and GE Fanuc Series 90-70 memory configuration before transferring IC697MEM717 to that duty.

Q8 How should IC697MEM717 be returned to service in Memory daughterboard replacement?

Restore power under control, verify uses the host battery for retention, exercise the intended signal path and release IC697MEM717 only after the GE Fanuc Series 90-70 memory remains in its approved operating state.

SOURCE GE Fanuc Series 90-70 memory expansion data sheet | IC697MEM717 module data

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