TECHNICAL REFERENCE / EXACT-MODEL DOSSIER

GE DS200DMCBG1AJE

DOS DUP Processor Board

GE DS200DMCBG1AJE is a Mark V DOS DUP processor board with four multi-pin connectors, configurable jumpers, diagnostic LEDs and dual fuse protection.

IDENTITY AND FUNCTION SNAPSHOT

H1 Mark V DOS DUP processor function	**H2** Three 26-pin and one 40-pin connectors
H3 Nineteen configurable jumpers	**H4** CR2 and CR12 diagnostic LEDs with two fuses

Installed-system position

1	Mark V cabinet connections
2	DS200DMCBG1AJE processor board
3	Connector and jumper-controlled interfaces
4	Duplicate-processing control path

Exact-model release boundary

Identity Keep GE DS200DMCBG1AJE complete in drawings, labels and acceptance records.	**Evidence** Use only the exact-model and explicitly applicable family facts documented here.
Configuration Record cables, jumpers, settings and the installed functional position before work.	**Acceptance** Prove the affected control path before returning the equipment to service.

02 / SYSTEM ROLE AND INTERFACES

Architecture, interfaces and service boundaries

GE DS200DMCBG1AJE concentrates Mark V duplicate-processor connections on a normal coated board assembly. The AJE suffix is retained as part of the exact revision identity and is not expanded beyond the verified board record.

CONTROL PATH

1	Mark V cabinet connections
2	DS200DMCBG1AJE processor board

3	Connector and jumper-controlled interfaces
4	Duplicate-processing control path

Interface architecture

26-pin connectors	Three multi-pin board connections for the installed Mark V wiring set
40-pin connector	One additional multi-pin interface retained by exact cable position
Configuration jumpers	Nineteen board positions whose as-found state must be recorded
LED and fuse points	CR2, CR12 and two circuit fuses support board-level checks

Interface acceptance checks

1

Isolate the cabinet and verify stored-energy conditions before touching DS200DMCBG1AJE.

2

Record all four connector locations and cable orientations before disconnecting the board.

3

Capture every jumper position; do not move a factory or application jumper without the controlled drawing.

4

Use ESD controls and handle the normal coated board only by its approved edges.

Engineering rule

A nearby GE family code does not establish interchangeability with DS200DMCBG1AJE; use the physical nameplate and controlled site records.

03 / VERIFIED TECHNICAL DATA

Engineering matrix and component map

Every populated row is a technical value supported by the reviewed exact-model record or an explicitly applicable GE family source.

Product family	Mark V
Board function	DOS DUP processor board
Assembly type	Normal assembly
Functional acronym	DMCB
Revision identity	AJE
Connector set	3 x 26-pin; 1 x 40-pin
Jumper count	19
Status indicators	CR2 and CR12 LEDs
Fuse count	2

CHANGE CONTROL

Record

Capture the full model, revision, slot, connectors and as-found condition.

Compare

Match every populated technical row to the replacement and project record.

Protect

Apply controlled isolation, stored-energy and ESD practices.

Prove

Complete the product-specific functional and safe-state checks.

Source applicability

Evidence record	Applicable scope
Exact-model DS200DMCBG1AJE technical records, connector and board-hardware data	Supports only the exact-model or explicitly applicable family facts used in this document.
GE Mark V control-system family documentation	Supports only the exact-model or explicitly applicable family facts used in this document.

04 / SERVICE LOGIC AND ACCEPTANCE

Fault isolation and controlled return

1	Capture the fault, indicators and surrounding-system state

2	Verify exact identity, power boundary, cabling and installed position
3	Test GE DS200DMCBG1AJE against the approved service procedure
4	Correct the isolated cause and restore the recorded configuration
5	Commission the affected path and archive measured evidence

Eight product-specific precautions

1 Isolate the cabinet and verify stored-energy conditions before touching DS200DMCBG1AJE.	**2** Record all four connector locations and cable orientations before disconnecting the board.
3 Capture every jumper position; do not move a factory or application jumper without the controlled drawing.	**4** Use ESD controls and handle the normal coated board only by its approved edges.
5 Check both fuses for continuity and determine the external cause before installing a replacement fuse.	**6** Inspect connector pins and ribbon-cable strain relief before reseating the three 26-pin and one 40-pin connections.
7 Compare CR2 and CR12 behavior with the known-good cabinet record after controlled energization.	**8** Release the board only after the duplicate-processing path, interlocks and commanded safe state have been functionally checked.

05 / ENGINEERING FAQ AND SUPPORT

Model-specific engineering decisions

Engineering decision	Controlled response
Which control family uses GE DS200DMCBG1AJE?	DS200DMCBG1AJE is identified as a Mark V DOS DUP processor board.
Which connectors must be matched when replacing GE DS200DMCBG1AJE?	The board record lists three 26-pin connectors and one 40-pin connector, so each cable position and orientation must be preserved.
How many jumpers are present on GE DS200DMCBG1AJE?	The exact-model hardware record identifies nineteen jumpers.
Which indicators are identified on GE DS200DMCBG1AJE?	The two documented board indicators are CR2 and CR12.
What circuit protection is visible on GE DS200DMCBG1AJE?	Two fuses are identified on the board assembly.
What should be captured before removing GE DS200DMCBG1AJE?	Record the complete AJE suffix, installed position, connector mapping, cable orientation, jumper states and LED condition.

Engineering decision	Controlled response
Why should a blown fuse on GE DS200DMCBG1AJE not be replaced blindly?	A fuse can indicate an external wiring or board fault, so the protected circuit must be checked before controlled re-energization.
Which checks close GE DS200DMCBG1AJE commissioning?	Verify cable seating, jumper-state match, fuse continuity, CR2/CR12 behavior and the cabinet's duplicate-processing and interlock response.

Related Apter Power references

Related Apter Power references	Scope note
GE IS200VTURH1BAC	Portfolio reference only; verify compatibility independently.
GE IS200TRLYH1BED	Portfolio reference only; verify compatibility independently.
GE IS200TREAH1A	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record GE DS200DMCBG1AJE DOS DUP Processor Board Verify the complete nameplate before installation.