General Electric DS215SDCCG1A

PRODUCT PAGE DOSSIER / EXACT-MODEL ENGINEERING FILE

General Electric DS215SDCCG1A is identified as a drive control card for the GE AC2000, DC2000 and EX2000 drive-control systems. Match the complete marking, board group and installed interface arrangement before replacement.

01 Product position

Complete identity	DS215SDCCG1A
Product type	Drive Control Card
System family	GE AC2000, DC2000 and EX2000 drive-control systems
Condition	New, original product
Shipping	Swift global dispatch

Processor architecture	**Diagnostic boundary**	**Memory boundary**
DCP, MCP and CMP form a three-processor control card.	10 LEDs distinguish slow 1-399 and fast 400-1023 fault-code ranges.	DS215 carries four EPROMs plus one EEPROM.

Installed-system relationship

The complete DS215SDCCG1A marking identifies the offered drive control card. Record the removed board, host position and connected hardware so the comparison uses the actual installed boundary rather than a shortened family name.

Within the GE AC2000, DC2000 and EX2000 drive-control systems, evaluate this board together with its plugs, jumpers, connected power and feedback paths. Preserve the as-found interface map and revision evidence; a mechanically similar board is not automatically equivalent.

Decision snapshot

Identity decision	Use DS215SDCCG1A as the complete controlling reference.
Installed position	Record the host or carrier position within GE AC2000, DC2000 and EX2000 drive-control systems.
Interface evidence	Retain connector orientation, cable ownership, keying and observed indications.
Revision boundary	A similar family name or appearance does not establish interchangeability.
Release evidence	Retain final diagnostics, controlled functional results and open exceptions.

Related product navigation

General Electric IC695PNC001	Related product page; verify the complete installed model before selection.
General Electric DS200TBCAG1AAB	Related product page; verify the complete installed model before selection.
General Electric DS200TBQBG1ACB	Related product page; verify the complete installed model before selection.

02 Verified technical data

The following values are limited to the exact board, stated group or documented platform scope identified in the source note.

Board group	G1
Main processors	3
Drive Control Processor	80C186 at U1
Motor Control Processor	80C196 at U21
Co-motor Processor	TMS320C25 at U35
Documented plug connectors	8
Unused connector	9PL
Meter connector	11PL
Diagnostic LEDs	10
Slow fault-code range	1-399
Fast fault-code range	400-1023
DCP timing test point	720 Hz
Slow-background test point	90 Hz
MCP oscillator test point	8 MHz

Technical interpretation

Identity control	Use the complete DS215SDCCG1A marking without shortening the group or revision.
Interface control	Preserve every connector, jumper and signal-path assignment from the as-found record.
Evidence boundary	GEI-100029C applies to DS215SDCCG_A__ and defines G1 processors, connectors, diagnostics, test points, memory and jumper behavior.
Acceptance control	Record measured checks, diagnostics and the approved functional result.

Engineer questions

How should DS215SDCCG1A be identified before a replacement is approved?	Use the complete DS215SDCCG1A marking, board group and revision string. Compare the installed position and documented drive control card role before approval.
What evidence should be retained before removing DS215SDCCG1A?	Photograph the complete marking, connector positions, jumper settings and status indications. Record the position in the GE AC2000, DC2000 and EX2000 drive-control systems.

Engineering decision record

Nameplate record	Photograph the complete DS215SDCCG1A marking and any revision identifier.
Host record	Identify the exact installed position and functional ownership in GE AC2000, DC2000 and EX2000 drive-control systems.
Connection record	Label every connector, cable and terminal before disturbing the installed assembly.
Configuration record	Archive applicable project, address, setting or fail-safe information before removal.

03 Applications and compatibility

System position: DS215SDCCG1A is evaluated within the documented GE AC2000, DC2000 and EX2000 drive-control systems architecture.

Compatibility boundary: Match the complete group, revision, connectors and configured signal path before replacement.

Drive control processing	Use DCP, MCP and CMP diagnostics together when isolating a fault.
Connector restoration	Restore all documented plugs and keep unused 9PL unassigned.
Diagnostic interpretation	Record the 10-LED sequence and distinguish the two published fault-code ranges.
Memory execution	Confirm the DS215 populated memory execution before approval.

Remaining technical values

Regulated logic test point	+5 V ±5%
Analog supply test points	+15 V and -15 V, each ±5%
Control-input maximum	±24 V
Control-input impedance	27 kΩ
Reset noise filter	20 ms
Analog output no-load span	±10 V
Analog output loaded span	±8 V at 10 mA
Analog output series resistance	200 Ω
Feedback VCO gain jumper	JP7; 6:1
EEPROM write-protect jumper	JP1
Signal-mode jumper	JP8; bipolar or absolute
Installed memory devices	5
EPROM devices	4: U11, U12, U22 and U23
EEPROM devices	1: U9

Compatibility questions

How should the connectors for DS215SDCCG1A be checked during installation?	Label each plug before removal, then restore every connection from the as-found record and the applicable GE manual. Never force a keyed connector.
What configuration boundary matters when commissioning DS215SDCCG1A?	Use the exact board group, hardware execution and approved drive record. A similar board family or physical fit does not establish interchangeability.

Technical selection boundary

Approval requires the complete board identity, installed position, connector execution and applicable configuration record; a related family reference is not evidence of interchangeability.

04 Product precautions and commissioning

Verify the complete identity	Check every token in DS215SDCCG1A against the offered board and approved record.
Isolate all connected energy	Follow the site procedure for dc bus, field supply, control power, stored energy and electrostatic handling.
Record plugs and jumpers	Photograph and label every connector, wire jumper and hardware jumper before removal.
Preserve drive configuration	Archive the applicable GE AC2000, DC2000 and EX2000 drive-control systems settings and drawings before replacement.
Inspect mating hardware	Check connectors, ribbon cables, terminal boards and cable condition before attributing a fault to the board.
Prove the intended function	Use an approved controlled test and retain measured values, diagnostics and acceptance evidence.

Replacement sequence

01 Record	Photograph the complete board, position, plugs, jumpers and visible indications.
02 Isolate	Apply the approved dc-bus, field-supply, control-power and ESD procedure.
03 Compare	Check the offered board, group, revision, connectors and included items.
04 Restore	Reconnect only from the approved as-found map and drive drawings.
05 Measure	Verify the documented supplies, test points or conversion paths that apply.
06 Prove	Run the controlled functional test and retain the result.

Commissioning questions

How can a suspected DS215SDCCG1A fault be separated from wiring or carrier faults?	Verify the documented supplies and reference signals first, inspect mating connectors and external wiring, then use a controlled substitution only after both signal paths are recorded.
What should be verified after fitting DS215SDCCG1A?	Check normal host indications and the intended drive control card function under an approved controlled test. Retain measured values and diagnostics with the handover record.

Release evidence pack

Identity
Complete offered and removed markings.

Interfaces
As-found and as-left connector map.

Acceptance
Diagnostics and controlled functional result.

Close-out control

Identity closed	The as-left record names DS215SDCCG1A without a shortened family reference.
Interfaces closed	Every restored connection is traceable to the pre-work record.
Function closed	The intended drive control card role has a recorded controlled-test result.
Exceptions closed	Outstanding diagnostic, configuration or scope exceptions have an owner and action.

05 Lifecycle, FAQ and evidence

DS215SDCCG1A status	A current lifecycle phase for this complete order code has not been confirmed.
Support and replacement	Match the complete identity, board group, revision and installed configuration when planning service.
Apter Power availability	Available quantity and dispatch date are confirmed separately in the quotation.

Additional technical FAQ

Can DS215SDCCG1A be replaced by a similar-looking assembly?	No direct equivalence is established by appearance. Compare the complete code, group, revision, connector execution and installed configuration.
What handover record is appropriate after work on DS215SDCCG1A?	Retain offered and removed markings, connection photographs, jumper or configuration evidence, measured checks, functional-test results and unresolved exceptions.

Source and applicability

Evidence scope	GEI-100029C applies to DS215SDCCG_A__ and defines G1 processors, connectors, diagnostics, test points, memory and jumper behavior.
Installation boundary	The installed bridge, terminals, cables, feedback devices and drive configuration remain application-specific.
Technical reference	GE Drive Control Card Instruction Manual GEI-100029C

Enquiry and dispatch record

Review your reference	Send the complete DS215SDCCG1A marking, required quantity and installed drive context.
Confirm the offer	Review the offered identity, condition, included items and delivery details.
Arrange dispatch	Confirm the accepted quantity and destination in the quotation.

Related General Electric references

General Electric DS200TBQBG1ACB	Related product page; verify the complete installed model before selection.
General Electric DS200TBQCG1ABB	Related product page; verify the complete installed model before selection.
General Electric DS200DTBCG1AAA	Related product page; verify the complete installed model before selection.
General Electric DS200SDCIG1AFB	Related product page; verify the complete installed model before selection.

Discuss the complete DS215SDCCG1A marking and installed configuration.
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Scan the WhatsApp QR to share nameplate and installed-system evidence.