DS3800NOAA1F1D

General Electric / Operational Amplifier Circuit Board

GE DS3800NOAA1F1D is offered as an operational amplifier circuit board for the appropriate installed GE control system. Confirm the complete marking and system configuration before replacement.

Product identity and system role

DS3800NOAA1F1D is an operational-amplifier board in the GE DS3800 legacy control-board family. Its function belongs to the analog signal path within the installed Mark IV configuration; the complete board marking identifies the required execution.

An operational-amplifier board can condition or amplify a control signal only in the circuit for which it was engineered. The signal polarity, gain network, connector assignment and companion boards must be established from the installed drawings and the removed board, rather than inferred from the family name.

Replacement planning should preserve the original slot, edge connector, board revision and any fitted calibration components. Record baseline input and output indications before removal and compare the affected control response after the approved maintenance procedure.

Verified technical characteristics

Board family	DS3800
Board function	Operational amplifier circuit
Control platform	SPEEDTRONIC Mark IV
Offered execution	NOAA1F1D
Interface boundary	Installed rack and associated signal circuit

Engineering context

Legacy turbine controls
Restore the installed analog-signal path in a matching Mark IV control cabinet.

Analog conditioning
Use in the documented rack circuit where signal gain and polarity are established by the project drawing.

Board replacement
Match the complete NOAA1F1D marking and physical connector to the removed board.

Control-loop maintenance
Verify the affected measured or commanded signal through the approved system test.

Configuration and verification

Identify the rack position: Record the exact slot and connector assignment before removal.

Protect analog inputs: Isolate the equipment and use the approved ESD handling method.

Preserve calibration: Document any adjustable components and their as-found positions.

Check connector seating: Inspect contacts and mechanical retainers before energization.

Reconcile the drawing: Match board revision and circuit designation to the installed project drawing.

Verify control response: Compare baseline and restored loop indications under the site procedure.

Selected engineering questions

How should the analog path be traced when replacing DS3800NOAA1F1D?
Use the installed wiring diagram to identify the board input, output and companion circuit; record as-found signals before removal.

What could make the output of DS3800NOAA1F1D appear saturated?
Check upstream signal limits, supply rails, connector seating, downstream loading and any fitted gain network before concluding the board is faulty.

How can the revision of DS3800NOAA1F1D affect a replacement?
A board revision can change fitted components or circuit behavior; compare complete markings and the approved engineering change record.

Should trim settings be copied blindly to DS3800NOAA1F1D?
No. Record the original setting and apply the project calibration procedure under a known test condition.

Why is the host slot relevant to DS3800NOAA1F1D?
The rack position establishes the mating connector and signal path; a physically similar slot does not prove electrical interchangeability.

How should an intermittent signal involving DS3800NOAA1F1D be investigated?
Inspect edge contacts, retainers, wiring continuity and vibration-sensitive connections while following the permitted test procedure.

What records help confirm DS3800NOAA1F1D was restored correctly?
Keep as-found and as-left signal readings, slot identification, board revision and the affected control-loop test result.

Can an unverified DS3800 suffix replace DS3800NOAA1F1D?
Not by family resemblance alone. Compare circuit drawing, revision and installed application before approving a substitute.

Source and application boundary

GE SPEEDTRONIC Mark IV system literature; exact DS3800NOAA1F1D electrical ratings require the installed board drawing.

DS3800 and Mark IV identify the documented family context. No exact-model gain, voltage or temperature rating is assigned without a corresponding GE board drawing.

Related product references

Separate product listings for project review; confirm each order code and system fit independently.

General Electric DS200FSAAG2ABA DS2020FECNRX010A	General Electric IS215UCVEH2AF
General Electric IC697VAL314	General Electric IS210AEBIH1B IS210AEBIH1BED
General Electric DS3820PS7A1B1C	

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Send the complete model and installed-system details when requesting a quotation.