General Electric DS200TCEAG1BTF

Installation and verification guide

General Electric DS200TCEAG1BTF is a emergency overspeed board for the GE Mark V protection core. It processes emergency overspeed, flame-detection and automatic-synchronizing signals within the Mark V protection arrangement.

Complete reference	DS200TCEAG1BTF
Product type	Emergency Overspeed Board
Platform	GE Mark V protection core
Technical basis	GE Mark V control-system hardware documentation and exact-board identification records

Product page
https://www.apterpower.com/General-Electric/Gas-Turbine-Control/ds200tceag1btf

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01 Installed-hardware capture

The complete DS200TCEAG1BTF marking establishes the offered identity. Record all labels, connector positions and installed associations before removal because adjacent GE Mark V protection core references may differ in wiring, option content or revision compatibility.

Buyer reference	Send the complete DS200TCEAG1BTF marking, revision or option label, connector photographs and installed application details.
Offer comparison	Compare the offered DS200TCEAG1BTF with the installed emergency overspeed board, termination hardware and approved General Electric documentation before ordering.

02 Configuration and connector controls

Confirm the complete marking	Do not shorten DS200TCEAG1BTF or transfer data from an adjacent reference.
Record every connection	Photograph connector orientation and label each cable or terminal before removal.
Preserve the configuration	Retain the approved GE Mark V protection core database, jumpers, switches or channel assignment as applicable.
Apply controlled isolation	Follow the site energy-isolation and ESD procedure before disturbing hardware.
Verify companion hardware	Check the documented base, cable, terminal, power and partner-module relationship.
Prove the restored function	Complete visual, electrical and functional checks before return to automatic service.

03 Controlled functional verification

During replacement, preserve the approved configuration and connection map. Perform a controlled visual, electrical and functional check, record the as-left result, and release the equipment only after the responsible site authority accepts the restored emergency overspeed board.

01	Send the full DS200TCEAG1BTF reference, label photographs and required quantity.
02	Apply site-approved isolation and ESD controls.
03	Record connectors, terminals and configuration before removal.
04	Compare the offered hardware with the complete installed reference.
05	Install without forcing connectors or changing approved routing.

06	Restore configuration and perform controlled checks.
07	Review revision, condition, included items and connection compatibility for DS200TCEAG1BTF.
08	Confirm quantity, dispatch date and delivery details for DS200TCEAG1BTF in the quotation.

04 Product-specific engineering questions

Which identity fields must match before installing DS200TCEAG1BTF?	Match the complete model, group, revision, connector layout and any programmed or option-specific devices with the installed record.
How should connector positions on DS200TCEAG1BTF be documented?	Photograph and label each connector before removal, then compare keyed positions and cable destinations against the approved drawing.
What configuration must be retained when replacing DS200TCEAG1BTF?	Retain switch or jumper positions, firmware or programmable-device identity and the system database or drive setup that governs the board.
How can a system fault be separated from a DS200TCEAG1BTF board fault?	Review diagnostics, power rails, connectors and companion hardware, then use an approved substitution or bench method without bypassing protection.
Why must the full revision of DS200TCEAG1BTF be reviewed?	Revision letters can reflect hardware or firmware compatibility boundaries; confirm interchangeability for the installed system before release.
What cleaning restrictions apply to DS200TCEAG1BTF?	Use an approved ESD-safe method, keep solvents away from labels and programmed devices, and do not disturb conformal coating or adjustments.
What controlled startup checks apply after fitting DS200TCEAG1BTF?	Verify supply rails, status indications, communication and the board-specific control function in the approved sequence before automatic operation.
What service evidence should be retained for DS200TCEAG1BTF?	Retain complete markings, revision, connector mapping, configuration records, diagnostic results and as-left functional acceptance.

05 Handover evidence

Identity	Complete marking, revision and photographs
Connection	Terminal or connector map and cable destinations
Configuration	Approved database, settings or option record
Functional proof	As-found and as-left readings or diagnostic results
Acceptance	Responsible technician and release approval

06 Related service references

General Electric DS200SLCCG1AFG	LAN Communication Card
General Electric DS200UPSAG1AFD	UC2000 Power Supply Board
General Electric DS200UPSAG1AGD	UC2000 Power Supply Board
General Electric DS6800CCID1D1D	Industrial Control Printed Circuit Board
General Electric DS200CPCAG1ABB	Contactor Pilot Board