GE GE □□□ Series Service Manual

DS200SIOBH1ABA

1. Description

SPECIFICATIONS

2. Specifications

Specification	Value
Manufacturer	GE General Electric
Series	Mark V
Part	Number DS200SIOBH1ABA
Functional	Description VME Stand I/O Card
Functional	Acronym SIOB
PCB	Coating Conformal Coating
Revision	Quantity 3 Revisions
Assembly	Type Normal Assembly
Mark	V Series Grouping Group 1
About	the DS200SIOBH1ABA
This	DS200SIOBH1ABA General Electric printed circuit board was originally manufactured for General Electric's Mark V Series, as mentioned above. The Mark V Series offered by General Electric has specific applications in the management and control systems of gas, steam, and wind turbines, as indicated by its full name as the Mark V Turbine Control System Series. The Mark V Series this DS200SIOBH1ABA printed circuit board belongs to is considered a legacy General Electric series, as it has been discontinued for manufacture in the years since its original production. While a legacy General Electric product series, the Mark V Series that this DS200SIOBH1ABA PCB belongs to is one of the more relatively recentl

3. Product Information

SPECIFICATIONS

Part Number: DS200SIOBH1ABA

Manufacturer: General Electric

Series: Mark V

Product Type: VME Stand I/O Card

Twenty jumpers and three switch blocks with six switches each make up the GE I/O Control Board DS200SIOBH1ABA, which has a total of 18 switches. One LED and one 40-pin connector are also included. The factory settings are established on the jumpers on the GE I/O Control Board DS200SIOBH1ABA on the original board. Some jumpers are only supported in one position and cannot be changed.

When the board needs to be replaced, the best practice is to match the jumper positions on the old board with the jumpers on the new board. As a result, the board will behave consistently and support the drive's performance.

Remove the old board from the drive by removing the screws that hold it in the board rack and removing the board with two hands. Make sure the board doesn't collide with any of the drive's other components. Flatten out a static protection bag on a clean, dry surface nearby. Place the old board on the bag. Slid out the replacement board from the sealed protective bag it was kept in. Place it next to the old board while carrying it with two hands. Set the switches to match the old board's switch placements.

DS200SIOBH1ABA Technical Specifications

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Series Mark V

Part Number DS200SIOBH1ABA

Functional Description VME Stand I/O Card

Functional Acronym SIOB

PCB Coating Conformal Coating

Revision Quantity 3 Revisions

Assembly Type Normal Assembly

Mark V Series Grouping Group 1

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Hardware Tips and Specifications

As with any Mark V Turbine Control System Series product, this DS200SIOBH1ABA printed circuit board makes use of its own series of necessary hardware components and component specifications to gain its intended SC2000 VME I/O Board functionality. As indicated in this DS200SIOBH1ABA PCB's description as a VME I/O Board, this DS200SIOBH1ABA product is intended to mount in the VME Rack installation assembly, specifically on the VME P1 connector, as it occupies one full VME Slot. The GE I/O Control Board DS200SIOBH1ABA features twenty jumpers and 3 switch blocks with 6 switches in each block for a total of 18 switches. It is also populated with one LED and one 40-pin connector. The jumpers on the GE I/O Control Board DS200SIOBH1ABA on the original board come with the jumpers set for the factory defaults. Before you install the board you can review the information in the printed material to learn about the alternate settings for the jumpers and how they change the operation of the board. Some of the jumpers only have one supported position and so cannot be changed. One LED diagnostic indicator is included on the base circuit board of this SIOB-abbreviated General Electric product offering, as mentioned before. This LED glows when encountered with a condition in which the DS200SIOBH1ABA PCB is accessed by the greater Mark V Series VME rack; in other words, this LED glows to indicate normative functional status during use.

When you find that the DS200SIOBH1ABA board must be replaced, the best practice is to set the jumpers in the new board to match the jumper positions on the old board. This is part of a detailed installation strategy developed by General Electric and relayed in this DS200SIOBH1ABA PCB's original instructional manuals. With exact jumper settings matching, the DS200SIOBH1ABA board will act the same and support the drive performance. To install the DS200SIOBH1ABA replacement board, first remove the old board by removing the screws that hold it in the board rack and using two hands to remove the board from the drive. Use care to keep the board from hitting the other components in the drive. Find a clean and dry surface nearby and flatten out a static protective bag, before placing the old board on the bag. Open the sealed protective bag that contains the replacement board and slid out the board. Carry it with two hands and place it next to the old board. Finally, set the switches to match the switch positions on the old board. Before making any ultimate purchase decision on this DS200SIOBH1ABA product offering, it is important to realize that this Mark V Turbine Control System Series product offering is a revised version of the original DS200SIOBH1 parent product. With this in mind, the DS200SIOBH1ABA PCB will feature altered performance specifications and dimensions from those originally present in its original instructional manual documentation.