GE GE □□□ Series Service Manual

IS200BAIAH1BEE

1. Description

IS200BAIAH1BEE Technical Specifications

2. Specifications

Specification	Value
Manufacturer	**General Electric**
Series	**Mark VI Speedtronic**
Functional	**Part Number IS200BAIAH1BEE**
Functional	**Description Bridge Interface Board**
Revision	**Total 3 Revisions**
Backwards-Compatibility	**1st two revisions**
Assembly	**Type Normal Assembly**
About	**the IS200BAIAH1BEE**
The	**IS200BAIAH1BEE is a Bridge Application Interface Card that was created by GE for its Innovation Series. To tell the complete truth, this IS200BAIAH1BEE device's greater Innovation Series is truly just a component extension subseries of the greater and relevant Mark VI Turbine Control System Series. The Mark VI Turbine Control System Series that this IS200BAIAH1BEE device belongs to, or just the Mark VI Series for short, was developed to exists with a restricted set of possible functional applications in the control and management systems of popular GE-compatible gas, steam, and wind turbine automated drive assemblies. This has to be states as existing as quite the significant functional upgrade upon the previous industry-**

3. Product Information

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Hardware Tips and Specifications

The IS200BAIAH1BEE or BAIA is intended to be a replacement PCB. It has an EEPROM that comes with factory-preloaded firmware. This memory circuit should never be reprogrammed or removed. If it stops working or becomes damaged, the complete board will need to be removed and replaced. The BAIA also uses an RS-232C I/O interface which goes to the drive system keypad or PC from a DSPX board. The IS200BAIAH1BEE should be placed vertically into the control card rack assembly it is assigned to. On the faceplate of the BAIA, there is a warning label that alerts the user to only mount this card into Slot 1 on the rack. The slots on the rack are specifically configured for certain boards. Installing this board into a slot other than the first one will result in damage to the board. There is an LED indicator on the faceplate that is labeled IMOK. The IS200BAIAH1BEE has many different components. It has 3 relays, a JTAG connector, 5 jumpers, two transformers, an inductor, 6 transistors, 6 diodes, and over 50 integrated circuits. There are also well over a hundred resistors and capacitors on the BAIA. There are two connectors on the back of the board that slides into card slots that are on the backplane of a card rack assembly. If it has not been made obvious already, this IS200BAIAH1BEE device's front-facing metallic faceplate suits this IS200BAIAH1BEE product's intended VME Rack installation strategy to a t.

If you are interested in more information about the IS200BAIAH1BEE and how to install it, please look over the datasheet: GEI-100268A from General Electric. While listed above in terms of their quantity, each of this IS200BAIAH1BEE device's original hardware components is accompanied by their own factory-printed nomenclature label for convenient identification purposes. For starters, this IS200BAIAH1BEE device specifically has a total of five jumper components, with each component being accompanied by a factory-printed nomenclature label that are in this case atypically not beginning with the J tag. This IS200BAIAH1BEE printed circuit board product offering's various jumpers start with the JP nomenclature label tag, and include the JP5A Jumper responsible for AIN1 input impedance, the JP5B jumper designed for burden resistor connection across AIN1 input pairs, the JP6A L AIN2 input impedance-lowering jumper, and finally the unique JP6B-labeled jumper that is considered responsible for the connection of burden resistor across the AIN2 input pair.

This IS200BAIAH1BEE device has been edited through three unique Mark VI Series revisions, including the:

B-Rated Primary Functional Revision

E-Rated Secondary Functional Revision

E-rated Artwork Configuration Revision