GE GE □□□ Series Service Manual

IS200TTURH1CFD

1. Description

IS200TTURH1CFD Technical Specifications

2. Specifications

Specification	Value
Manufacturer	**GE Energy**
Series	**Mark VIe**
Part	**Number IS200TTURH1CFD**
Functional	**Acronym TTUR**
Functional	**Description Terminal Turbine Board**
PCB	**Coating Conformal Coating**
Functional	**Revision 1 C**
Functional	**Revision 2 F**
Artwork	**Revision D**

3. Product Information

IS200TTURH1CFD Technical Specifications

Manufacturer GE Energy

Series Mark VIe

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Functional Acronym TTUR

Functional Description Terminal Turbine Board

PCB Coating Conformal Coating

Functional Revision 1 C

Functional Revision 2 F

Artwork Revision D

About the IS200TTURH1CFD

This IS200TTURH1CFD General Electric printed circuit board is better definable by its instructional manual-specified functional description as a Terminal Turbine Board, and exists as a member of the Mark VIe Series of Turbine Control Systems and Turbine Control System component parts.

This IS200TTURH1CFD printed circuit board or PCB for short actually exists as a modified version of another General Electric PCB; the IS200TTURH1, and adds a primary C-rated functional revision, a secondary F-rated functional revision, and a singular artwork revision rated at a D. This IS200TTURH1CFD board was more specifically designed by GE Industrial Systems, General Electric's subsidiary manufacturer in charge of the mass production of all of the Mark VIe Turbine Control System Series.

Hardware Tips and Specifications

This IS200TTURH1CFD Terminal Turbine Board has a series of unique and individualized hardware components, and as with any General Electric printed circuit board, these hardware elements are best understood when contextualized with their pertaining circuit board's functionality. The primary intended function of of this IS200TTURH1CFD Terminal Turbine Board is to act as a terminal for a series of 48 total input/output connections crucial to the function of its greater VTUR Turbine Control Board assembly. Additional functionality of this TTUR-abbreviated product includes its role as a controller for this aforementioned VTUR assembly's 52G main breaker relay coil.

Now that some of the basic functionality of this IS200TTURH1CFD board has been described, it is possible to explore further into its product-specific hardware inclusions. For starters, this TTUR Terminal Turbine board does not make use of any special assembly version, as evidenced by its IS200TTURH1CFD product numbers' normal IS200 series tag. While this is true, it is important to note that this board makes use of three significant product revisions, including a special F-graded second functional revision.

Two crucial hardware elements immediately noticable on the base board of this IS200TTURH1CFD product are its two pluggable terminal blocks, which have been attached to the TTUR base board through the use of two screws per terminal block for easy maintenance. These terminal blocks accept 24 total I/O connections per each terminal block; obviously central to this board's normative function.

Beyond the terminal blocks so crucial to this IS200TTURH1CFD board's configuration exist many other significant hardware components, including:

Six nomenclature-labeled connector ports

A shield bar extended across this PCB's left-hand side

Wiring to TTLI speed pickups

Factory-drilled holes for mounting purposes

A conformal style of PCB protective coating