IS200TBTCH1CBB

Thermocouple Input Terminal Board

Engineering reference for system fit, interface boundaries and exact-model technical decisions.

01 System position

Installed role

Thermocouple Input Terminal Board

Host platform

GE Mark VI / Mark VIe turbine control

Evidence source

GE Mark VI Turbine Control System Guide and Mark VIe certification schedule

Identity boundary

Use the complete marking and explicitly documented family relationships only.

02 Functional path

Field / companion side	Installed sensor, load, network, terminal or actuator
Exact product role	IS200TBTCH1CBB - Thermocouple Input Terminal Board
Host-system side	GE Mark VI / Mark VIe turbine control
Decision output	Verified interface, configuration and acceptance boundary

03 Selection-critical relationships

Signal type	Design the connected circuit around Thermocouple millivolt inputs; verify at the installed terminals.
Terminal-board family	Use TBTCH1C only within the documented terminal-board family boundary.
Supported architecture	Map every configured path; the documented reference is Mark VI and Mark VIe.
Redundancy support	Map every configured path; the documented reference is Simplex or TMR according to connector population.
Cold-junction function	Use Terminal-board temperature compensation only within the documented cold-junction function boundary.
Field terminals	Use Barrier-type thermocouple connections only within the documented field terminals boundary.

04 Engineering data map

Electrical / signal domain

Signal type	Thermocouple millivolt inputs
Terminal-board family	TBTCH1C
Supported architecture	Mark VI and Mark VIe
Redundancy support	Simplex or TMR according to connector population

Interface / processing domain

Cold-junction function	Terminal-board temperature compensation
Field terminals	Barrier-type thermocouple connections
Cable connectors	JR, JS and JT architecture
Noise protection	Input suppression on field paths

Environmental / configuration domain

Status indicators	RUN, FAIL and STATUS LEDs
Board interface	VME backplane

05 Diagnostic interpretation matrix

Observed issue involving Signal type	Compare the installed condition with Thermocouple millivolt inputs; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Terminal-board family	Compare the installed condition with TBTCH1C; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Supported architecture	Compare the installed condition with Mark VI and Mark VIe; isolate field, interface and configuration causes before replacing hardware.

Observed issue involving Redundancy support	Compare the installed condition with Simplex or TMR according to connector population; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Cold-junction function	Compare the installed condition with Terminal-board temperature compensation; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Field terminals	Compare the installed condition with Barrier-type thermocouple connections; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Cable connectors	Compare the installed condition with JR, JS and JT architecture; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Noise protection	Compare the installed condition with Input suppression on field paths; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Status indicators	Compare the installed condition with RUN, FAIL and STATUS LEDs; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Board interface	Compare the installed condition with VME backplane; isolate field, interface and configuration causes before replacing hardware.

06 Engineering evidence record

Complete marking	IS200TBTCH1CBB plus visible revision and label details
Installed relationship	Compare the H1CBB marking, terminal numbering, thermocouple channel map, cold-junction components and JR/JS/JT cable positions.
Companion boundary	Transfer each thermocouple with correct alloy and polarity, then prove cold-junction compensation and redundant processor agreement.
Configuration authority	Approved project backup, drawing or validated application record
Acceptance evidence	Recorded readings, diagnostic state and controlled functional result

07 Source and applicability ledger

Manufacturer reference	GE Mark VI Turbine Control System Guide and Mark VIe certification schedule
Exact-model scope	IS200TBTCH1CBB
System scope	GE Mark VI / Mark VIe turbine control
Use limit	Family values apply only where the manufacturer relationship is explicit; verify the installed execution.

08 Separate verified listings

GE IC220PBI002	VersaPoint PROFIBUS-DP Network Interface Module; separate listing, not an automatic substitute.
GE IC676PBI008	Eight-Point IP67 PROFIBUS Digital Input Block; separate listing, not an automatic substitute.
GE IS200TRLYH1BED IS200TRLYH1B	Relay Output Terminal Board; separate listing, not an automatic substitute.
GE IS200VAICH1DAA IS200VAICH1D	Analog Input and Output VME Board; separate listing, not an automatic substitute.
GE IS200VCRCH1BBB	Discrete Input and Relay Output VME Board; separate listing, not an automatic substitute.
GE IS200VSVOH1BDC IS200VSVOH1B	Servo Control VME Board; separate listing, not an automatic substitute.
GE IS200VVIBH1CAB IS200VVIBH1C	Vibration Monitoring VME Board; separate listing, not an automatic substitute.
GE IS215VCMIH2CC	VME Communications Interface Board; separate listing, not an automatic substitute.

Discuss system fit and exact marking with Apter Power.
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Quote the complete reference: IS200TBTCH1CBB