PRODUCT INFORMATION DASHBOARD

Honeywell 51401052-100

SPC Circuit Board

Honeywell 51401052-100 is the Smart Peripheral Controller circuit board that provides the SCSI controller function in a TDC 3000 History Module.

PRODUCT ROLE

History Module SPC

SYSTEM

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INTERFACE

SCSI address 7

SERVICE FOCUS

Firmware revision G or later

Exact-model highlights

- History Module SPC
- SCSI address 7
- TS1 field pinning
- Firmware revision G or later

Release questions

IDENTITY

Is the complete 51401052-100 code confirmed?

INTERFACE

Do field signals and companion equipment match?

SETTINGS

Are installed parameters and mappings preserved?

ACCEPTANCE

Have normal, fault and recovery states been tested?

Technical data

Board function	Smart Peripheral Controller
Part number	51401052-100
System application	TDC 3000 History Module
Interface function	SCSI disk controller
SCSI address	7
Field pinning	TS1
Factory revision pinning	TS2 - do not change
Minimum documented firmware	Revision G
WDA companion I/O	SPC II I/O 51304907-100
Earlier companion I/O	SPC I/O 51304156-100

Application safeguards

SAFEGUARD 1

Match 51401052-100 and record the installed firmware revision before removal.

SAFEGUARD 2

Use grounded ESD controls and approved static-safe packaging for the circuit board.

SAFEGUARD 3

Copy the TS1 address pinning from the removed board before replacement.

SAFEGUARD 4

Do not alter the factory-set TS2 revision pinning in the field.

Common applications

History data storage

Controls the disk interface used by the History Module.

WREN drive service

Supports the documented WREN III controller and I/O arrangement.

WDA drive service

Works with the SPC II I/O board in Winchester Disk Assembly configurations.

Legacy storage repair

Restores the exact SPC position while preserving address and firmware requirements.

Interface checklist

- Module side: History Module backpanel position
- Drive side: SCSI path to WREN or WDA storage
- I/O side: SPC I/O or SPC II I/O companion board
- Configuration side: TS1 address pinning and factory-set TS2 revision pinning

Installation snapshot

STEP 1

Match the replacement label to Honeywell 51401052-100 and the approved site bill of material.

STEP 2

Review the recorded wiring, channel map and connector orientation before disturbing conductors.

STEP 3

Isolate hazardous energy and prove the required electrical condition at the work point.

STEP 4

Apply grounded ESD controls while handling the electronic assembly.

Model-specific FAQ

Q1 What is Honeywell 51401052-100?

It is the Smart Peripheral Controller circuit board used in the History Module.

Q2 What interface does Honeywell 51401052-100 control?

It provides the SCSI controller path for the installed History Module drives.

Q3 Which SCSI address is used by Honeywell 51401052-100?

The documented History Module configuration uses SCSI address 7.

Q4 Which pinning block is field configured on Honeywell 51401052-100?

TS1 is configured for the required SCSI address.

Q5 Should TS2 be changed on Honeywell 51401052-100?

No. TS2 revision pinning is factory set and must not be changed in the field.

Q6 Which firmware baseline applies to Honeywell 51401052-100?

The service manual requires revision G or later for the documented configurations.

Q7 Which I/O board accompanies Honeywell 51401052-100 in WDA systems?

The WDA arrangement uses SPC II I/O board 51304907-100.

Q8 What must be verified after replacing Honeywell 51401052-100?

Confirm pinning, firmware, companion I/O hardware, disk recognition and History Module diagnostics.

Product precautions

1. Match 51401052-100 and record the installed firmware revision before removal.
2. Use grounded ESD controls and approved static-safe packaging for the circuit board.
3. Copy the TS1 address pinning from the removed board before replacement.
4. Do not alter the factory-set TS2 revision pinning in the field.
5. Keep TS1 configured for SCSI address 7 in the documented History Module arrangement.
6. Confirm firmware revision G or later for the applicable drive configuration.
7. Verify the companion SPC I/O or SPC II I/O board before inserting the replacement.
8. Test History Module disk recognition, diagnostics and data access before handover.

Related products

Verified related products on ApterPower

Honeywell TA3840C
Honeywell control reference
View Honeywell TA3840C

Honeywell 51306975-175
Honeywell output termination reference
View Honeywell 51306975-175

Honeywell 10018/2/U
FSC system reference
View Honeywell 10018/2/U

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Share the exact 51401052-100 nameplate, application and required quantity for a model-specific quotation.