51403988-150

HPM Control Card

Honeywell 51403988-150 is the communication/control printed-wiring assembly identified for an HPM node.

PRODUCT SNAPSHOT

BRAND	Honeywell
FAMILY	High-Performance Process Manager
PART	51403988-150
PRODUCT TYPE	HPM Control Card

APTER POWER SALES TEAM

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PRODUCT OVERVIEW

Honeywell 51403988-150 is the communication/control printed-wiring assembly identified for an HPM node.

1. Provides the HPM communication and control board function.
2. Operates within a High-Performance Process Manager node.
3. Retains the exact PWA identity for card-level maintenance.
4. Supports controlled restoration of HPM node operation.

SYSTEM COMPONENTS

- HPM node card file
- HPM communication path
- HPM controller electronics
- Documented node configuration

TECHNICAL NOTE

Only the exact HPM COMM CONTROL CC identity is used here. Connector, firmware and electrical values remain unspecified unless verified on the installed revision.

TECHNICAL DATA

PARAMETER	VALUE
PWA number	51403988-150
Node type	HPM
Board identity	HPM COMM CONTROL CC

PARAMETER	VALUE
System family	High-Performance Process Manager
Board class	Communication/control card

ENGINEERING NOTE

Only the exact HPM COMM CONTROL CC identity is used here. Connector, firmware and electrical values remain unspecified unless verified on the installed revision.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Honeywell MC-TDOR62	TPS relay-output termination	View Honeywell MC-TDOR62 page
Honeywell MC-TPIX12 51304084-175	TPS pulse-input termination	View Honeywell MC-TPIX12 51304084-175 page
Honeywell MC-TSIM12 51303932-476	TPS serial-interface termination	View Honeywell MC-TSIM12 51303932-476 page
Honeywell MC-TAOY25 51305865-275	TPS analog-output termination	View Honeywell MC-TAOY25 51305865-275 page
Honeywell DC-TFB412	Series C redundant FIM IOTA	View Honeywell DC-TFB412 page
Honeywell MC-IOLX02	TPS remote I/O link extender	View Honeywell MC-IOLX02 page
Honeywell 10002/1/2	FSC control and I/O module	View Honeywell 10002/1/2 page
Honeywell 10014/F/F	FSC communication module	View Honeywell 10014/F/F page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

HPM node maintenance

Provides the HPM communication and control board function.

TDC 3000 process control

Operates within a High-Performance Process Manager node.

TPS controller restoration

Retains the exact PWA identity for card-level maintenance.

Legacy HPM spare management

Supports controlled restoration of HPM node operation.

PRODUCT PRECAUTIONS

1. Match PWA 51403988-150 to the HPM node record.
2. Capture the active node state and diagnostics before isolation.
3. Back up the applicable HPM configuration before card work.
4. Use ESD controls throughout removal and installation.
5. Preserve connector identity and card-file position.
6. Do not borrow specifications from a nearby HPM board number.
7. Restore the node under the approved controller procedure.
8. Retain communications, control and diagnostic acceptance evidence.

ENGINEER FAQ

Q1 What board identity is documented for Honeywell 51403988-150?

Honeywell identifies it as PWA HPM COMM CONTROL CC.

Q2 Which node type uses Honeywell 51403988-150?

The System HINTS record associates it with the HPM node type.

Q3 What does Honeywell 51403988-150 combine?

Its documented identity combines the HPM communication and control board function.

Q4 Can another HPM PWA be substituted for Honeywell 51403988-150 by appearance?

No. Match the complete PWA number and the installed node record.

Q5 What must be backed up before servicing Honeywell 51403988-150?

Back up the applicable HPM configuration and record live node diagnostics.

Q6 Which physical records matter when replacing Honeywell 51403988-150?

Record the card-file position, connector identity and as-found node state.

Q7 What should remain unspecified for Honeywell 51403988-150 without revision evidence?

Do not assert firmware, connector or electrical limits that are not verified for the exact PWA.

Q8 What proves Honeywell 51403988-150 has returned to service?

Confirm HPM communication, controller operation and clean diagnostics under the approved restoration test.

SOURCE Honeywell System HINTS and HPM service documentation | PWA HPM COMM CONTROL CC

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