APTER■POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

51403988-150

HPM Control Card

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

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	High-Performance Process Manager
Part number	51403988-150

APTER POWER SALES TEAM

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2 Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
PWA number	51403988-150
Node type	HPM
Board identity	HPM COMM CONTROL CC
System family	High-Performance Process Manager
Board class	Communication/control card

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	HPM node card file
Companion hardware	HPM communication path
Field connection	HPM controller electronics
Primary system function	Provides the HPM communication and control board function.
Controlled acceptance duty	HPM node maintenance

3 System Role and Architecture

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

FUNCTION 1

Provides the HPM communication and control board function.

FUNCTION 2

Operates within a High-Performance Process Manager node.

FUNCTION 3

Retains the exact PWA identity for card-level maintenance.

FUNCTION 4

Supports controlled restoration of HPM node operation.

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	HPM node card file
Companion hardware	HPM communication path
Field connection	HPM controller electronics
Primary system function	Provides the HPM communication and control board function.
Controlled acceptance duty	HPM node maintenance

4 Applications and Engineering Context

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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	51403988-150 / 51403988-150 recorded
Physical interface	HPM node card file
Companion check	HPM communication path
Functional proof	Provides the HPM communication and control board function.
Application test	HPM node maintenance

5 Engineering 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.

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**

MANUFACTURER SOURCE RECORD

Honeywell System HINTS and HPM service documentation

PWA HPM COMM CONTROL CC

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