

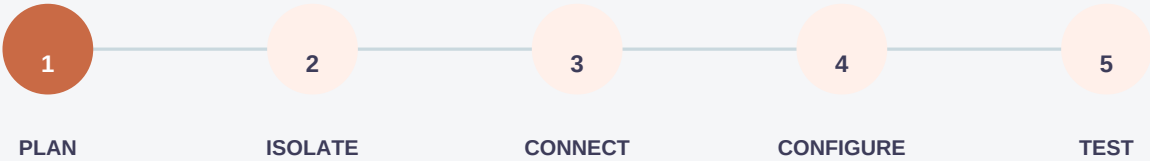
51401642-150

51401642-150 High-Performance I/O Link Card

CONTROLLED ENGINEERING COPY

Honeywell 51401642-150 is the 51401642-150 High-Performance I/O Link Card used for I/O Link communication between the HPM communications/control card and installed I/O processors in a documented Honeywell High-Performance Process Manager installation. Confirm the complete identity and installed system configuration before replacement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	51401642-150
Manufacturer	Honeywell
System family	Honeywell High-Performance Process Manager
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

1

Confirm the complete 51401642-150 identity on the hardware and maintenance record.

2

Place the affected Honeywell High-Performance Process Manager process in the approved maintenance state.

3

Record the installed position, connectors, terminals, wiring and configuration before removal.

4

Isolate all documented power and field energy and apply ESD controls where required.

5

Inspect the replacement identity, revision, interfaces and mating hardware before installation.

MATCHED HARDWARE

- Honeywell 51401642-150 with exact visible identity
- Matched Honeywell High-Performance Process Manager host
- Documented power, field and communication interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	51401642-150 recorded
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms I/O Link communication between the HPM communications/control card and installed I/O processors

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product type	High-Performance I/O Link card
Part number	51401642-150
System	High-Performance Process Manager
Processor resource	Dedicated I/O Link processor
Shared memory	SRAM interface to the communications/control card
Link interface	I/O Link driver/receiver
Power conversion	+24 VDC to +5 VDC for the HPM module set
Companion card	High-Performance communications/control card

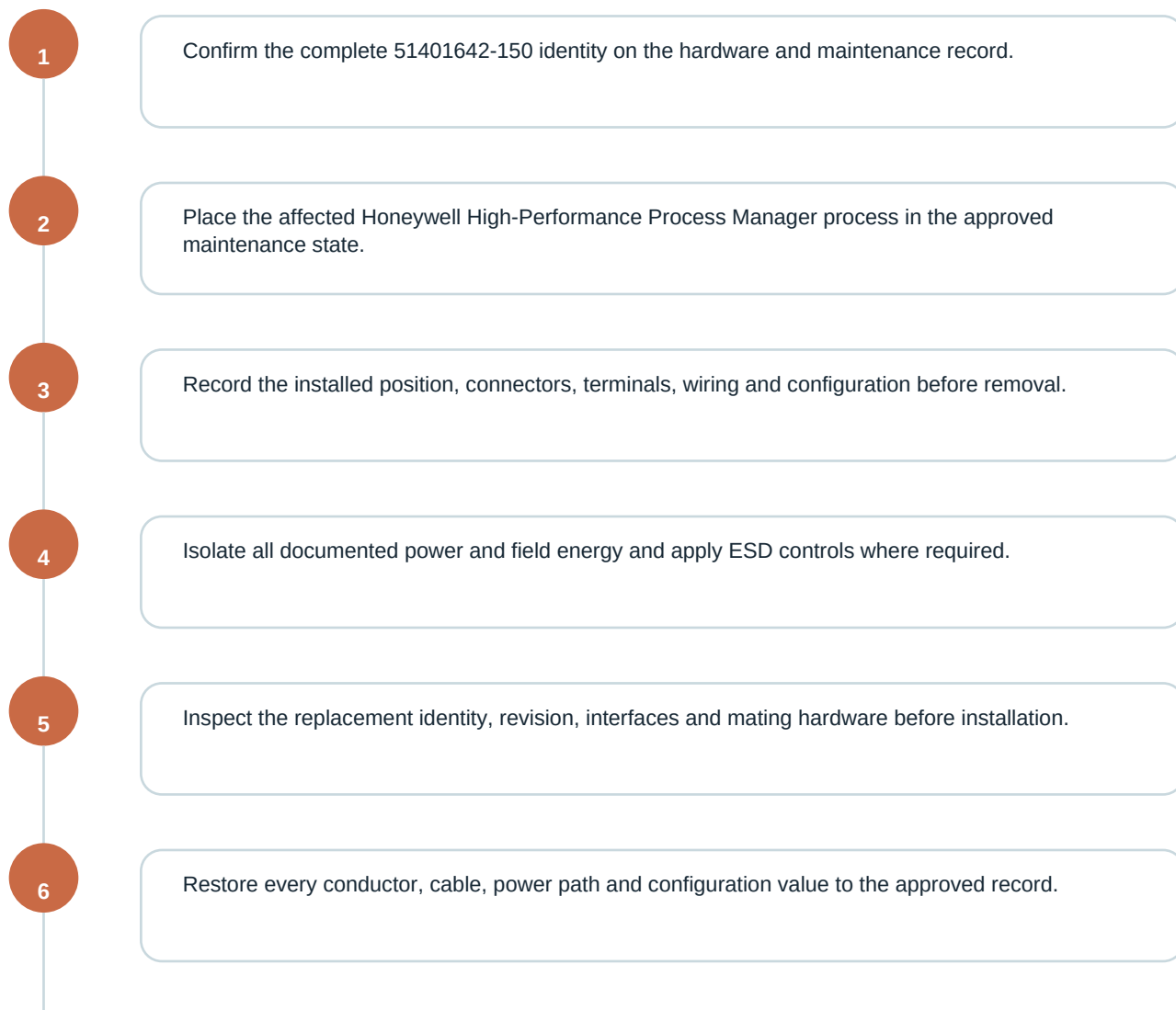
RELATED PRODUCT PAGES

1 Honeywell 51401496-100	2 Honeywell 621-2200RC	3 Honeywell 8C-PAOH51 51454355-175
4 Honeywell 8C-TAIMA1 51307171-175	5 Honeywell 8C-TAOXA1 51307135-175	6 Honeywell 8C-TDILA1 51307141-175
7 Honeywell MC-PAOX03 51309152-175	8 Honeywell MC-TAIH12 51304337-150	9 Honeywell MC-TAOX12 51304335-175

FIELD NOTE

Confirm 51401642-150 and the installed system before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	51401642-150
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms I/O Link communication between the HPM communications/control card and installed I/O processors

04 RETURN-TO-SERVICE RECORD

- ☐
- Inspect the replacement identity, revision, interfaces and mating hardware before installation.

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VERIFICATION RECORD

PRODUCT IDENTITY	51401642-150
INSTALLED POSITION	Documented Honeywell High-Performance Process Manager position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐
- Inspect the replacement identity, revision, interfaces and mating hardware before installation.

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SOURCE IDENTIFIERS

Honeywell HPM High-Performance Process Manager Service | Honeywell manufacturer publication