

51304511-100

NIM Modem I/O Board

Honeywell 51304511-100 is a NIM Modem I/O board for a TDC 3000 five/ten-slot node. It is installed in the PNI I/O slot to provide the node modem interface.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TDC 3000 five/ten-slot node

PART

51304511-100

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PRODUCT OVERVIEW

Honeywell 51304511-100 is a NIM Modem I/O board for a TDC 3000 five/ten-slot node. It is installed in the PNI I/O slot to provide the node modem interface.

1

Provides the NIM modem I/O function

2

Occupies the PNI I/O slot

3

Connects node modem circuitry

4

Supports five/ten-slot node servicing

SYSTEM COMPONENTS

PNI I/O slot

Five/ten-slot cardfile

NIM modem cabling

Node grounding arrangement

TECHNICAL DATA

PARAMETER	VALUE
Board type	NIM MODEM
Installed slot	PNI I/O slot

PARAMETER	VALUE
Assembly	I/O board

TECHNICAL NOTE

Record the board pinning and cable positions before removal, and seat 51304511-100 only in the documented PNI I/O slot.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

NIM node maintenance

Provides the NIM modem I/O function

Legacy LCN node restoration

Occupies the PNI I/O slot

Five-slot module service

Connects node modem circuitry

Ten-slot cardfile repair

Supports five/ten-slot node servicing

PRODUCT PRECAUTIONS

- 1 Verify the complete 51304511-100 marking and the assigned TDC 3000 five/ten-slot node position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51304511-100.
- 3 Use ESD controls and protect the keyed connectors of 51304511-100 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm PNI I/O slot and Five/ten-slot cardfile against the approved system configuration.
- 6 Restore 51304511-100 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for nim node maintenance before production release.

ENGINEER FAQ

Q1 Which PNI I/O slot identity must be verified before fitting the 51304511-100 NIM Modem I/O Board?

Match the complete 51304511-100 marking, assigned TDC 3000 five/ten-slot node position and installed PNI I/O slot before work.

Q2 How should Five/ten-slot cardfile be isolated before disconnecting the 51304511-100 NIM Modem I/O Board?

Place the affected process in its approved maintenance state, isolate applicable energy and prove Five/ten-slot cardfile safe before disconnection.

Q3 What as-found wiring record is required for the 51304511-100 NIM Modem I/O Board in NIM node maintenance?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51304511-100.

Q4 Which TDC 3000 five/ten-slot node configuration must be checked when commissioning the 51304511-100 NIM Modem I/O Board?

Verify the assigned channel, slot, node or interface and compare it with the approved TDC 3000 five/ten-slot node configuration before enabling 51304511-100.

Q5 How can the 51304511-100 NIM Modem I/O Board be function-tested for Legacy LCN node restoration without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the 51304511-100 NIM Modem I/O Board stops performing its assigned system function?

Check seating, the matched PNI I/O slot, the condition of Five/ten-slot cardfile and the model-specific diagnostics before replacing more hardware.

Q7 Can the 51304511-100 NIM Modem I/O Board used for Five-slot module service be transferred to another TDC 3000 five/ten-slot node position without engineering review?

No. Confirm the hardware execution, connector scheme and approved TDC 3000 five/ten-slot node configuration before transferring 51304511-100 to a different duty.

Q8 What evidence should be retained after the 51304511-100 NIM Modem I/O Board returns to Ten-slot cardfile repair service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51304511-100.

SOURCE Honeywell Five/Ten-Slot Module Service | Table 2-5

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