

INDUSTRIAL AUTOMATION PRODUCT

A86L-0001-0235

CNC MDI keyboard PCB assembly

It transfers local operator key inputs from the CNC panel to the installed control interface.

IDENTITY	VERIFIED VALUE
Manufacturer	FANUC
System family	FANUC CNC operator-panel interface
Part number	A86L-0001-0235
Country	Japan
HS code	8537101190

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Part number	A86L-0001-0235
Component type	CNC MDI keyboard PCB assembly
Keyboard board identifier	N860-3755-T901
Board revision	02A
Assembly marking	N86D-3755-R001/02
Country marking	MADE IN JAPAN

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	installed FANUC CNC operator panel
Companion hardware	matching front key overlay and legend plate
Field connection	documented keyboard cable harnesses
Primary system function	Forms the local MDI keyboard input surface for the installed CNC panel
Controlled acceptance duty	CNC MDI command-entry restoration

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System Role and Architecture

It transfers local operator key inputs from the CNC panel to the installed control interface.

FUNCTION 1

Forms the local MDI keyboard input surface for the installed CNC panel

FUNCTION 2

Uses a dedicated two-connector keyboard printed-circuit assembly

FUNCTION 3

Combines navigation, edit and machine-operation key groups on one board

FUNCTION 4

Supports controlled key-by-key functional verification after replacement

Matched system components

- installed FANUC CNC operator panel
- matching front key overlay and legend plate
- documented keyboard cable harnesses
- approved CNC maintenance and diagnostic screen

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	installed FANUC CNC operator panel
Companion hardware	matching front key overlay and legend plate
Field connection	documented keyboard cable harnesses
Primary system function	Forms the local MDI keyboard input surface for the installed CNC panel
Controlled acceptance duty	CNC MDI command-entry restoration

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Applications and Engineering Context

CNC MDI command-entry restoration

Forms the local MDI keyboard input surface for the installed CNC panel

Operator-panel navigation key service

Uses a dedicated two-connector keyboard printed-circuit assembly

Program-edit keyboard maintenance

Combines navigation, edit and machine-operation key groups on one board

Post-replacement key-response verification

Supports controlled key-by-key functional verification after replacement

TECHNICAL NOTE

Record both board markings and every cable position before removal, isolate CNC control power and use ESD controls. After installation, verify each required MDI key in a controlled maintenance screen before returning the machine to automatic operation.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	A86L-0001-0235 / A86L-0001-0235 recorded
Physical interface	installed FANUC CNC operator panel
Companion check	matching front key overlay and legend plate
Functional proof	Forms the local MDI keyboard input surface for the installed CNC panel
Application test	CNC MDI command-entry restoration

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Engineering Precautions

- 1 Verify the complete A86L-0001-0235 part marking together with the N860-3755-T901 02A keyboard-board identifier before panel work.
- 2 Place the CNC and connected machine in the approved maintenance state before opening the operator panel.
- 3 Isolate CNC control power and prove the required safe state before disconnecting either keyboard-board connector.
- 4 Photograph and label both cable orientations so that each harness returns to its original connector position.
- 5 Use ESD controls and handle the PCB only by its edges; protect switch caps, solder joints and exposed contacts.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
A06B-6117-H209	Related GE Fanuc CNC control product	View A06B-6117-H209 page
A06B-6096-H106	Related GE Fanuc CNC control product	View A06B-6096-H106 page
A06B-6096-H104	Related GE Fanuc CNC control product	View A06B-6096-H104 page
A06B-6087-H155	Related GE Fanuc CNC control product	View A06B-6087-H155 page
A06B-6102-H245-H520	Related GE Fanuc CNC control product	View A06B-6102-H245-H520 page
IC694ALG221A	Related GE Fanuc CNC control product	View IC694ALG221A page
IC694MDL645D	Related GE Fanuc CNC control product	View IC694MDL645D page
IC694MDL645A	Related GE Fanuc CNC control product	View IC694MDL645A page

MANUFACTURER SOURCE RECORD

Physical unit markings and FANUC CNC Parts Support

A86L-0001-0235 / N860-3755-T901 02A / N86D-3755-R001/02

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