

80190-560-01-R

Analog Control Board for 18-Pulse Drive

Allen-Bradley 80190-560-01-R is the exact manufacturer-listed analog control board for 18-pulse drive for the documented installed system.

IDENTITY	VERIFIED VALUE
Manufacturer	Allen-Bradley
System family	Allen-Bradley PowerFlex 7000
Part number	80190-560-01-R
Product role	Carries the official ACB board designation
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Record the existing board slot, connectors, cable labels, jumpers and drive configuration before removal. Install only in the matching PowerFlex 7000 execution and verify board recognition, communications and drive diagnostics before power-stage testing.

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Technical Specifications

Technical values below are limited to the named Allen-Bradley product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Board designation	ACB	Documented execution	18-pulse drive
Board type	Analog Control Board	Drive family	PowerFlex 7000

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Allen-Bradley PowerFlex 7000
Primary system role	Carries the official ACB board designation
Connection boundary	Record the existing board slot, connectors, cable labels, jumpers and drive configuration before removal. Install only in the matching PowerFlex 7000 execution and verify board recognition, communications and drive diagnostics before power-stage testing.
Controlled acceptance duty	PowerFlex 7000 control-board maintenance

ENGINEERING BOUNDARY

Confirm Allen-Bradley 80190-560-01-R, the complete PowerFlex 7000 or MV SMC Flex host identity, installed hardware execution, board or semiconductor position, connectors, wiring, grounding, cooling path, firmware or configuration where applicable, companion components and controlled commissioning results before service.

Pre-Installation Checks

1	Confirm Allen-Bradley 80190-560-01-R, the ACB designation and the 18-pulse drive execution.	2	Isolate all drive power and prove stored energy discharged.
3	Use ESD controls and protect every board connector.	4	Record the installed slot, connectors, jumpers and cable labels.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	80190-560-01-R
Installed host	Allen-Bradley PowerFlex 7000
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Allen-Bradley 80190-560-01-R is the exact manufacturer-listed analog control board for 18-pulse drive for the documented installed system.

FUNCTION 1

Carries the official ACB board designation

FUNCTION 2

Uses the documented 18-pulse drive execution

FUNCTION 3

Supports the PowerFlex 7000 control architecture

FUNCTION 4

Preserves exact board identity during controlled replacement

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Allen-Bradley PowerFlex 7000
2	Analog Control Board
3	PowerFlex 7000 control-board maintenance
4	Record the existing board slot, connectors, cable labels, jumpers and drive configuration before removal. Install only in the matching PowerFlex 7000 execution and verify board recognition, communications and drive diagnostics before power-stage testing.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Allen-Bradley PowerFlex 7000
Interface role	Carries the official ACB board designation
Field / power context	Record the existing board slot, connectors, cable labels, jumpers and drive configuration before removal. Install only in the matching PowerFlex 7000 execution and verify board recognition, communications and drive diagnostics before power-stage testing.
Commissioning evidence	Verify board recognition and drive diagnostics before release.

Installation and Connection Checks

1

Verify the replacement board matches the installed drive execution.

2

Seat connectors without force and reproduce the documented routing.

3

Restore power through the approved PowerFlex 7000 sequence.

4

Verify board recognition and drive diagnostics before release.

MANUFACTURER SOURCE RECORD

PowerFlex 7000 Medium Voltage AC Drives Troubleshooting Guide
7000-TG002L-EN-P, February 2020

Applications and Engineering Context

PowerFlex 7000 control-board maintenance

Restores the documented ACB position in the drive control system.

Drive cabinet modernization

Preserves the approved board execution during a documented repair.

Control-path troubleshooting

Supports connector, recognition and diagnostic checks in the installed drive.

Post-replacement commissioning

Supports controlled verification before the power stage and motor are enabled.

TECHNICAL NOTE

Record the existing board slot, connectors, cable labels, jumpers and drive configuration before removal. Install only in the matching PowerFlex 7000 execution and verify board recognition, communications and drive diagnostics before power-stage testing.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	80190-560-01-R recorded
Host / carrier	Allen-Bradley PowerFlex 7000
Physical interface	Carries the official ACB board designation
Configuration	Restore power through the approved PowerFlex 7000 sequence.
Functional proof	Verify board recognition and drive diagnostics before release.

IMPORTANT NOTICE

Confirm Allen-Bradley 80190-560-01-R, the complete PowerFlex 7000 or MV SMC Flex host identity, installed hardware execution, board or semiconductor position, connectors, wiring, grounding, cooling path, firmware or configuration where applicable, companion components and controlled commissioning results before service.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	80190-560-01-R
Approved role	PowerFlex 7000 control-board maintenance
Final validation	Verify board recognition and drive diagnostics before release.

Engineering Precautions

- 1

Confirm Allen-Bradley 80190-560-01-R, the ACB designation and the 18-pulse drive execution.
- 2

Isolate all drive power and prove stored energy discharged.
- 3

Use ESD controls and protect every board connector.
- 4

Record the installed slot, connectors, jumpers and cable labels.
- 5

Verify the replacement board matches the installed drive execution.
- 6

Seat connectors without force and reproduce the documented routing.
- 7

Restore power through the approved PowerFlex 7000 sequence.
- 8

Verify board recognition and drive diagnostics before release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Allen-Bradley 1756-PB75	Allen-Bradley product	View Allen-Bradley 1756-PB75 page
Allen-Bradley 1746-NR4	Allen-Bradley product	View Allen-Bradley 1746-NR4 page
Allen-Bradley 2094-BM01-S	Allen-Bradley product	View Allen-Bradley 2094-BM01-S page
Allen-Bradley 1794-TB32	Allen-Bradley product	View Allen-Bradley 1794-TB32 page
Allen-Bradley 1771-NIS	Allen-Bradley product	View Allen-Bradley 1771-NIS page
Allen-Bradley 1746-P2	Allen-Bradley product	View Allen-Bradley 1746-P2 page
Allen-Bradley 1746-NI16I	Allen-Bradley product	View Allen-Bradley 1746-NI16I page
Allen-Bradley 1756-PA72	Allen-Bradley product	View Allen-Bradley 1756-PA72 page

MANUFACTURER SOURCE RECORD

PowerFlex 7000 Medium Voltage AC Drives Troubleshooting Guide
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