

Prepared (Subject resp) jjdkzhou Kevin Zhou		No. FPM-jid-2023:200	
Approved (Document resp) jiddxiea David Xie	Checked	Date 2023-06-09	Rev A

For your Information

Receiver

Sales and FAEs

All customers

Product Change Notice - PKB4200DA series

1 Products affected

Flex Power Modules is continuously working to improve delivery performance during the current global supply chain constraint situation.

Recently, some minor changes have been implemented on the following affected products:

Flex MPN	Input V_i [V]	Output V_o [V]	Output Power [W]	R-status	New R- status
PKB4210DAPI	36-75	3.3	205	R1A	R1B
PKB4211DAPI	36-75	5	260	R1A	R1B

*including all options: Through hole(PI), Surface mount(SI), Positive control logic(P), Lead length 3.69mm(LA), Lead length 4.57mm(LB), Lead length 2.79mm(LC), Baseplate(HS) according to technical specification.

For more information about affected product series, please refer to the technical specifications through Flex Power Modules website.

[Technical Specification for PKB4200DA \(flexpowermodules.com\)](https://flexpowermodules.com)

2 PCN Classification

Minor Change: the letter in the R-state (release state or version) is stepped, meaning that there is two-way interchangeability with the existing products. Product versions with same digit in the R-state are capable of replacing the new version, and the new version can replace earlier versions.

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3 Reason for Change

The PWM controller supplier has changed the IC to a new revision which is no longer compatible with the PKB4200DA circuit design without some small modification.

We have also implemented the use of a standard uncut pin as a long-term upgrade to the current LA option which uses a factory cut pin, which will improve supply production performance.

4 Change Explanation

The auxiliary supply high-side gate drive bootstrap undervoltage threshold of the new revision of PWM controller has been increased from 2.8V to 5V. To keep the product performance unchanged, PKB4200DA series auxiliary boost circuit is changed accordingly.

Flex Power Modules uses a pin-cutting process to provide shorter pin length options to support flexible customer delivery. The PKB4200DA series LA pin length option volumes have ramped significantly in 2023, allowing Flex Power Modules to move to standard uncut pins for the LA pin length option in 2023 without affecting delivery flexibility.

5 Product verification

Electrical, mechanical and production verification tests have been performed according to Flex Power Modules' product approval process. No performance deviation found in new design.

6 Test Results

Approved.

7 Safety approvals

No change to safety approvals.

8 Availability Date

New added part numbers below will run into mass production since cut-in date.

Product part number	Revision	Sample with new revision component available date	Planned availability of new revision	Cut-in date
PKB4210DAPI	R1B	2023-6-10	2023-6-10	2023-7-10

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PKB4211DAPI	R1B	2023-6-10	2023-6-10	2023-7-10
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Addendum

If you have any questions, please do not hesitate to contact the undersigned.

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