


IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)  
CB SCHEME

## CB TEST CERTIFICATE

Product	DC-DC Converter
Name and address of the applicant	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, 201818 China
Name and address of the manufacturer	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, 201818 China
Name and address of the factory	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, 201818 China
Note: When more than one factory, please report on page 2	<input type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	See Page 2
Trademark (if any)	
Type of Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	PKB4111DA PI, PKB4111DA PIHS, See Page 2
Additional information (if necessary may also be reported on page 2)	The report was revised to include technical modifications. <input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2014
As shown in the Test Report Ref. No. which forms part of this Certificate	OFF-4788764152-A-1-Amendment-1 issued on 2019-09-05

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2019-09-05  
Original Issue Date: 2019-03-20

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

**DK-81698-M1-UL**

**Model Details:**

PKB4210DA PIHS , PKB4210DA PI, PKB4210DA SI, PKB4211DA PIHS, PKB4211DA PI, PKB4211DA SI  
PKB4111DA, PKB4111DA SI, PKB4111DA PI, PKB4111DA PIHS

PI - pins for through hole mounting  
SI - pins for surface mounting  
HS - base plate

**Ratings:**  
(optional)

For models

PKB4210DA PIHS

PKB4210DA PI

PKB4210DA SI

PKB4211DA PIHS

PKB4211DA PI

PKB4211DA SI

Vin=36-75Vdc, Iin=8A Max; Vout=3.3Vdc, Iout=62A or

Vin=36-75Vdc, Iin=10A Max; Vout=5Vdc, Iout=52A

For models

PKB4111DA

PKB4111DA SI

PKB4111DA PI

PKB4111DA PIHS

Vin=45-60Vdc, Iin=8A Max; Vout=5Vdc, Iout=40°

Model	Input	Output	Transformer
PKB4210DA PIHS	Vin=36-75Vdc, Iin=8A Max	Vout=3.3Vdc, Iout=62A	Half bridge 4:1
PKB4210DA PI	Vin=36-75Vdc, Iin=8A Max	Vout=3.3Vdc, Iout=62A	Half bridge 4:1
PKB4210DA SI	Vin=36-75Vdc, Iin=8A Max	Vout=3.3Vdc, Iout=62A	Half bridge 4:1
PKB4211DA PIHS	Vin=36-75Vdc, Iin=10A Max	Vout=5Vdc, Iout=52A	Half bridge 3:1
PKB4211DA PI	Vin=36-75Vdc, Iin=10A Max	Vout=5Vdc, Iout=52A	Half bridge 3:1
PKB4211DA SI	Vin=36-75Vdc, Iin=10A Max	Vout=5Vdc, Iout=52A	Half bridge 3:1
PKB4111DA	Vin=45-60Vdc, Iin=8A Max	Vout=5Vdc, Iout=40A	Half bridge 4:1
PKB4111DA SI	Vin=45-60Vdc, Iin=8A Max	Vout=5Vdc, Iout=40A	Half bridge 4:1
PKB4111DA PI	Vin=45-60Vdc, Iin=8A Max	Vout=5Vdc, Iout=40A	Half bridge 4:1
PKB4111DA PIHS	Vin=45-60Vdc, Iin=8A Max	Vout=5Vdc, Iout=40A	Half bridge 4:1

**Additional Information:**

Additionally evaluated to EN 62368-1:2014/A11:2017.

National Difference specified in the CB Test Report.

The original report was modified to include the following changes/additions:

Add new models PKB4111DA, PKB4111DA SI, PKB4111DA PI and PKB4111DA PIHS.

**Additional information (if necessary)**



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