

Certificate of Compliance

Certificate Number:

UL-US-L496569-2119-30709102-4

Report Reference:

E496569-20190703

Issue Date:

2024-06-14

Issued to:

Flex Electronics (Shanghai) Co Ltd
33 Fuhua Road, Jiading District Shanghai, Shanghai 201818
China

This certificate confirms that representative samples of:

QQJQ2 - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

UL 62368-1, 2nd Ed., Issue Date: 2014-12-01

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



David Piecuch
UL Mark Certification Program Manager



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CERTIFICATE OF COMPLIANCE

Certificate number UL-US-L496569-2119-30709102-4
Report reference E496569-20190703
Date 2024-06-14

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Model	Product Description
PKB4110CPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4110DPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4111API*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4111ASIOT, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4111CPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4111DPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any	DC-DC Converter



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PKB4113CPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4118GCPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	Power Supplies for AV, ITE, and AVICT Equipment
PKB4211DPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4213DPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4216CPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4217ND*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for	DC-DC Converter



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PKB4313DA*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4313DAPIOA, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4313DPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4317YPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4318NPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4318PIOB, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	Power Supplies for AV, ITE, and AVICT Equipment



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PKB4413DPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4413DPIHSUALA, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4417PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4418PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes.	DC-DC Converter
PKB4418PIOA, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	Power Supplies for AV, ITE, and AVICT Equipment
PKB4510PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any	DC-DC Converter



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PKB4513PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4513PINBOVLC, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4518NCPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4610PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes.	DC-DC Converter
PKB4619PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes.	DC-DC Converter
PKB4711PI*, PI in the type designation is replaced by PI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter



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PKB4713PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4715PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4717PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4718LCPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4810PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4910API*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4913PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole	DC-DC Converter



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mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “*”.	
PKB4918HCPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “*”.	DC-DC Converter
PKB5410PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “*”.	DC-DC Converter
PKB5610PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “*”.	DC-DC Converter
PKB5711PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “*”.	DC-DC Converter
PKB5713PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “*”.	DC-DC Converter



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Certificate of Compliance

Certificate Number:

UL-CA-2010846-2

Report Reference:

E496569-20190703

Issue Date:

2024-06-14

Issued to:

**Flex Electronics (Shanghai) Co Ltd
33 Fuhua Road, Jiading District Shanghai, Shanghai 201818
China**

This certificate confirms that representative samples of:

QQJQ8 - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment Certified for Canada - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

CSA C22.2 No. 62368-1-14, 2nd Ed., Issue Date: 2014-12-01

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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CERTIFICATE OF COMPLIANCE

Certificate number UL-CA-2010846-2
Report reference E496569-20190703
Date 2024-06-14

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Model	Product Description
PKB4110CPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4110DPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4111API*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4111ASIOT, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4111CPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
PKB4111DPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole	DC-DC Converter



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PKB4113CPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4118GCPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	Power Supplies for AV, ITE, and AVICT Equipment
PKB4211DPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4213DPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4216CPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4217ND*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any	DC-DC Converter



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PKB4313DA*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4313DAPIOA, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4313DPPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4317YPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4318NPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4318PIOB, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences	Power Supplies for AV, ITE, and AVICT Equipment



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PKB4413DA*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
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PKB4413DPIHSUALA, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4417PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4418PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes.	DC-DC Converter
PKB4418PIOA, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for	Power Supplies for AV, ITE, and AVICT Equipment



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examples of suffixes. See model differences for explanation of the suffix “**”.	
PKB4510PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4513PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4513PINBOVLC, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4518NCPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4610PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes.	DC-DC Converter
PKB4619PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes.	DC-DC Converter



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PKB4713PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4715PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4717PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4718LCPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4810PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter



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PKB4910API*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4913PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB4918HCPI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB5410PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB5610PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter
PKB5711PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix “**”.	DC-DC Converter



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PKB5713PI*, PI in the type designation is replaced by SI for surface mount versions of the above through hole mount models, all models may be followed by any combination of characters representing minor differences that do not affect safety, see model differences for examples of suffixes. See model differences for explanation of the suffix "**".	DC-DC Converter
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