Certificate of Compliance

Certificate Number:
UL-US-2336905-1

Report Reference:
E496569-20230830

Issue Date:
2025-03-26

Issued to:

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

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, 3rd Ed., Issue Date: 2019-12-13, Revision Date: 2021-10-22

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 Owner

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at https://www.ul.com/contact-us.

CERTIFICATE OF COMPLIANCE

Certificate number	UL-US-2336905-1
Report reference	E496569-20230830
Date	2025-03-26

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

DC-DC Converter

Model(s): BMR350X1X2X3X4/X5X6X7 *X1 defines the Mechanical pin option*
X1=0: TH - Standard Pin length 5,33 mm
X1=1: SMD
X1=2: LA = lead length 3.69 mm
X1=3: LB = lead length 4.57 mm
X1=4: LC = lead length 2.79 mm
X1=5: lead length 6.5 mm
X1=6-9: TBD
X2 defines the Mechanical option
X2=0: Standard open frame
X2=1: Base plate 12+/- 0.5mm Open Deck
X2=2: Base plate 12+/- 0.5mm Open Deck with Bottom side Heat spreader
X2=3: Base plate 13.3+/- 0.5mm Flat
X2=4: Base plate 13.4+/- 0.4mm Closed Deck, PEM insert and Bottom side Heat spreader (intended for BMR 490 replacement)
X2=5: Base plate 12+/- 0.5mm Open Deck with Bottom side Heat spreader, coated inductor
X2=6-9: TBD
X3X4 is used as sequence number for additional variants:
X3X4 can be a number between 0 and 99.
X3=0 3:1 860W
X3=1 3:1 700W
X3=2 3:1 600W
X3=5 3:1 1300W
X3X4=00: Vout 12.24V, 40-60Vin 860W 7 pin digital interface with PG and active current share
X3X4=01: Vout 12.12V, 40-60Vin 860W 7 pin digital interface with sense function
X3X4=02: Vout 12.12V, 40-60Vin 860W 7 pin digital interface with Address0 on pin 13
X3X4=20: Vout 12.12V, 40-60Vin 600W 7 pin digital interface with sense function
X3X4=50: Vout 12.12 V, 40-60Vin 1300W 7 pin digital interface with PG and active current share,
X3X4=51: Vout 12.12 V, 40-60Vin 1300W 4 pin digital interface
X3X4=52: Vout 12 V, 40-60Vin 1300W 4 pin digital interface
X3X4=53: Vout 12 V, 40-60Vin 1300W 7pin digital interface, with Sense function+ DLS current share
X3X4=03-19, 21-49, 54-99: TBD
X5X6X7 is used as sequence number for CDA files:
Model number is CDA102 0350/ X5, X6, X7
X5, X6, X7 can be a number between 000 and 999. Both general numbers specified in the datasheet and customer unique numbers exists.
All CDA sequence number are SW unique.
NOTE: Standard CDA should be used start from /001, Customized CDA should be used start from /800.
Model(s): BMR351X1X2X3X4/X5X6X7 *X1 defines the Mechanical pin option*
X1=0: TH - Standard Pin length 5,33 mm
X1=1: SMD
X1=2: LA = lead length 3.69 mm
X1=3: LB = lead length 4.57 mm

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X1=4: LC = lead length 2.79 mm
X1=5: lead length 6.5 mm
X1=6-9: TBD
X2 defines the Mechanical option
X2=0: Standard open frame
X2=1: Base plate 12+/- 0.5mm Open Deck
X2=2: Base plate 12+/- 0.5mm Open Deck with Bottom side Heat spreader
X2=3: Base plate 13.3+/- 0.5mm Flat
X2=4: Base plate 13.4+/- 0.4mm Closed Deck, PEM insert and Bottom side Heat spreader (intended for BMR 490 replacement)
X2=5: Base plate 12+/- 0.5mm Open Deck with Bottom side Heat spreader, coated inductor
X2=6-9: TBD
X3X4 is used as sequence number for additional variants:
X3X4 can be a number between 0 and 99.
X3=0 3:1 860W
X3=1 3:1 700W
X3=2 3:1 600W
X3=5 3:1 1300W
X3X4=00: Vout 12.24V, 40-60Vin 860W 7 pin digital interface with PG and active current share
X3X4=01: Vout 12.12V, 40-60Vin 860W 7 pin digital interface with sense function
X3X4=02: Vout 12.12V, 40-60Vin 860W 7 pin digital interface with Address0 on pin 13
X3X4=20: Vout 12.12V, 40-60Vin 600W 7 pin digital interface with sense function
X3X4=50: Vout 12.12 V, 40-60Vin 1300W 7 pin digital interface with PG and active current share,
X3X4=51: Vout 12.12 V, 40-60Vin 1300W 4 pin digital interface
X3X4=52: Vout 12 V, 40-60Vin 1300W 4 pin digital interface
X3X4=53: Vout 12 V, 40-60Vin 1300W 7pin digital interface, with Sense function+ DLS current share
X3X4=03-19, 21-49, 54-99: TBD
X5X6X7 is used as sequence number for CDA files:
Model number is CDA102 0350/ X5, X6, X7
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All CDA sequence number are SW unique.
NOTE: Standard CDA should be used start from /001, Customized CDA should be used start from /800.

Certificate of Compliance

Certificate Number:

UL-CA-2331833-1

Report Reference:

E496569-20230830

Issue Date:

2025-03-26

Issued to:

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

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. 62368-1:19, 3rd Ed., Issue Date: 2019-12-13, Revision Date: 2021-10-22

Additional Information:
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David Piecuch
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CERTIFICATE OF COMPLIANCE

Certificate number	UL-CA-2331833-1
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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

DC-DC Converter

Model(s): BMR350X1X2X3X4/X5X6X7 *X1 defines the Mechanical pin option*
X1=0: TH - Standard Pin length 5,33 mm
X1=1: SMD
X1=2: LA = lead length 3.69 mm
X1=3: LB = lead length 4.57 mm
X1=4: LC = lead length 2.79 mm
X1=5: lead length 6.5 mm
X1=6-9: TBD
X2 defines the Mechanical option
X2=0: Standard open frame
X2=1: Base plate 12+/- 0.5mm Open Deck
X2=2: Base plate 12+/- 0.5mm Open Deck with Bottom side Heat spreader
X2=3: Base plate 13.3+/- 0.5mm Flat
X2=4: Base plate 13.4+/- 0.4mm Closed Deck, PEM insert and Bottom side Heat spreader (intended for BMR 490 replacement)
X2=5: Base plate 12+/- 0.5mm Open Deck with Bottom side Heat spreader, coated inductor
X2=6-9: TBD
X3X4 is used as sequence number for additional variants:
X3X4 can be a number between 0 and 99.
X3=0 3:1 860W
X3=1 3:1 700W
X3=2 3:1 600W
X3=5 3:1 1300W
X3X4=00: Vout 12.24V, 40-60Vin 860W 7 pin digital interface with PG and active current share
X3X4=01: Vout 12.12V, 40-60Vin 860W 7 pin digital interface with sense function
X3X4=02: Vout 12.12V, 40-60Vin 860W 7 pin digital interface with Address0 on pin 13
X3X4=20: Vout 12.12V, 40-60Vin 600W 7 pin digital interface with sense function
X3X4=50: Vout 12.12 V, 40-60Vin 1300W 7 pin digital interface with PG and active current share,
X3X4=51: Vout 12.12 V, 40-60Vin 1300W 4 pin digital interface
X3X4=52: Vout 12 V, 40-60Vin 1300W 4 pin digital interface
X3X4=53: Vout 12 V, 40-60Vin 1300W 7pin digital interface, with Sense function+ DLS current share
X3X4=03-19, 21-49, 54-99: TBD
X5X6X7 is used as sequence number for CDA files:
Model number is CDA102 0350/ X5, X6, X7
X5, X6, X7 can be a number between 000 and 999. Both general numbers specified in the datasheet and customer unique numbers exists.
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Model(s): BMR351X1X2X3X4/X5X6X7 *X1 defines the Mechanical pin option*
X1=0: TH - Standard Pin length 5,33 mm
X1=1: SMD
X1=2: LA = lead length 3.69 mm
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X1=4: LC = lead length 2.79 mm
X1=5: lead length 6.5 mm
X1=6-9: TBD
X2 defines the Mechanical option
X2=0: Standard open frame
X2=1: Base plate 12+/- 0.5mm Open Deck
X2=2: Base plate 12+/- 0.5mm Open Deck with Bottom side Heat spreader
X2=3: Base plate 13.3+/- 0.5mm Flat
X2=4: Base plate 13.4+/- 0.4mm Closed Deck, PEM insert and Bottom side Heat spreader (intended for BMR 490 replacement)
X2=5: Base plate 12+/- 0.5mm Open Deck with Bottom side Heat spreader, coated inductor
X2=6-9: TBD
X3X4 is used as sequence number for additional variants:
X3X4 can be a number between 0 and 99.
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X3=1 3:1 700W
X3=2 3:1 600W
X3=5 3:1 1300W
X3X4=00: Vout 12.24V, 40-60Vin 860W 7 pin digital interface with PG and active current share
X3X4=01: Vout 12.12V, 40-60Vin 860W 7 pin digital interface with sense function
X3X4=02: Vout 12.12V, 40-60Vin 860W 7 pin digital interface with Address0 on pin 13
X3X4=20: Vout 12.12V, 40-60Vin 600W 7 pin digital interface with sense function
X3X4=50: Vout 12.12 V, 40-60Vin 1300W 7 pin digital interface with PG and active current share,
X3X4=51: Vout 12.12 V, 40-60Vin 1300W 4 pin digital interface
X3X4=52: Vout 12 V, 40-60Vin 1300W 4 pin digital interface
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