# CERTIFICATE OF COMPLIANCE

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|---|---|
| **Certificate Number** | UL-US-2133938-2 |
| **Report Reference** | E496569-20210706 |
| **Date** | 18-Aug-2022 |
| **Issued to:** | Flex Electronics (Shanghai) Co Ltd<br>33 Fuhua Road,Jiading District Shanghai 201818<br>China |
| **This is to certify that representative samples of** | QQJQ2 - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment - Component<br>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. |
| **Standard(s) for Safety:** | UL 62368-1, 2nd Ed., Issue Date: 2014-12-01 |
| **Additional Information:** | See the UL Online Certifications Directory 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.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-2133938-2
**Report Reference** E496569-20210706
**Date** 18-Aug-2022

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

| Model | Category Description |
|---|---|
| BMR450X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR451X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR461X1X2X3X4/X5X6X7 (b) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR462X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR463X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR464X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR465X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR466X1X2X3X4/X5X6X7 (b) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR467X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR473X1X2X3X4/X5X6X7, X1 can be a number “0-9”, defines the Mechanical option<br>1 means Laydown version<br>2 means Single In line Product (SIP)<br>0,3-9 TBD<br>X2 can be a number "0-9", defines the Mechanical pin option<br>0 means Pin length 4.57mm(standard)<br>1 means Pin length 3.69mm<br>2 means Pin length 5.33mm<br>3-9 TBD<br>X3X4 is used as sequence number for additional variants, can be a number between 0 and 99<br>01 means 6~15Vin, 0.6~5Vout, max 40A<br>02-99 TBD<br>X5X6X7 is used as sequence number of CDA files which is SW unique. It can be a number "001-999". Both general numbers specified in the datasheet and customer unique numbers exists. | DC/DC Converter |

Bruce Mahrenholz, Director North American Certification Program

UL LLC

# CERTIFICATE OF COMPLIANCE

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|---|---|
| **Certificate Number** | UL-CA-2128274-2 |
| **Report Reference** | E496569-20210706 |
| **Date** | 18-Aug-2022 |
| **Issued to:** | Flex Electronics (Shanghai) Co Ltd<br>33 Fuhua Road,Jiading District Shanghai 201818<br>China |
| **This is to certify that representative samples of** | QQJQ8 - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment Certified for Canada - Component<br>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. |
| **Standard(s) for Safety:** | CSA C22.2 NO. 62368-1-14, 2nd Ed., Issue Date: 2014-12-01 |
| **Additional Information:** | See the UL Online Certifications Directory 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.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-2128274-2
**Report Reference** E496569-20210706
**Date** 18-Aug-2022

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

| Model | Category Description |
|---|---|
| BMR450X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR451X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR461X1X2X3X4/X5X6X7 (b) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR462X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR463X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR464X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR465X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR466X1X2X3X4/X5X6X7 (b) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR467X1X2X3X4/X5X6X7 (a) | Power Supplies for AV, ITE, and AVICT Equipment |
| BMR473X1X2X3X4/X5X6X7, X1 can be a number “0-9”, defines the Mechanical option<br>1 means Laydown version<br>2 means Single In line Product (SIP)<br>0,3-9 TBD<br>X2 can be a number "0-9", defines the Mechanical pin option<br>0 means Pin length 4.57mm(standard)<br>1 means Pin length 3.69mm<br>2 means Pin length 5.33mm<br>3-9 TBD<br>X3X4 is used as sequence number for additional variants, can be a number between 0 and 99<br>01 means 6~15Vin, 0.6~5Vout, max 40A<br>02-99 TBD<br>X5X6X7 is used as sequence number of CDA files which is SW unique. It can be a number "001-999". Both general numbers specified in the datasheet and customer unique numbers exists. | DC/DC Converter |

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