

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2008270-0
Report Reference E235235-A6094-UL
Date 9-Dec-2020

Issued to: MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO., LTD.
No.8, Nanyun Road 4, Huangpu District GUANGZHOU , GUANGDONG, China 510670

This is to certify 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 investigated 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.

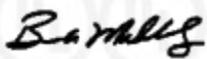
Standard(s) for Safety: UL 62368-1, 2nd Ed., Issue Date: 2014-12-01

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure 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

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 a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

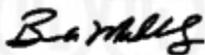


CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2008270-0
Report Reference E235235-A6094-UL
Date 9-Dec-2020

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
B1203D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B1205D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B1212D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B1215D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B1224D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B2403D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B2405D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B2412D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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 a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2008270-0
Report Reference E235235-A6094-UL
Date 9-Dec-2020

<p>"y" means any number from 0 to 9.) B2415D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>B2424D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F1203N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F1205N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F1212N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F1215N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F1224N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F2403N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F2405N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F2412N-1WR3*, (*=Blank or "-TR" or "-xy")</p>	DC-DC Converter

B. Mahrenholz

Bruce Mahrenholz, Director North American Certification Program

UL LLC

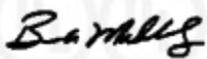
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2008270-0
Report Reference E235235-A6094-UL
Date 9-Dec-2020

(The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	
F2415N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
F2424N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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 a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2006187-0
Report Reference E235235-A6094-UL
Date 9-Dec-2020

Issued to: MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO., LTD.
No.8, Nanyun Road 4, Huangpu District GUANGZHOU , GUANGDONG, China 510670

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
See Addendum Page for Product Designation(s).

Have been investigated 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.

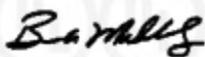
Standard(s) for Safety: CSA C22.2 NO. 62368-1-14, 2nd Ed., Issue Date: 2014-12-01

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure 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

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 a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

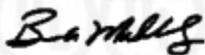


CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2006187-0
Report Reference E235235-A6094-UL
Date 9-Dec-2020

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
B1203D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B1205D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B1212D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B1215D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B1224D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B2403D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B2405D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
B2412D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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 a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2006187-0
Report Reference E235235-A6094-UL
Date 9-Dec-2020

<p>"y" means any number from 0 to 9.) B2415D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>B2424D-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F1203N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F1205N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F1212N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F1215N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F1224N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F2403N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F2405N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)</p>	DC-DC Converter
<p>F2412N-1WR3*, (*=Blank or "-TR" or "-xy")</p>	DC-DC Converter

B. Mahrenholz

Bruce Mahrenholz, Director North American Certification Program

UL LLC

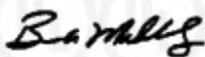
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2006187-0
Report Reference E235235-A6094-UL
Date 9-Dec-2020

(The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	
F2415N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter
F2424N-1WR3*, (*=Blank or "-TR" or "-xy") (The"-TR" model represents that the product is packaged as a tap package. The "-xy" model represents a customer model, "x" means any letter from A to Z, and "y" means any number from 0 to 9.)	DC-DC Converter



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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 a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

