

CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L132003-21-03703102-2
Report Reference E132003-20130730
Date 1-Dec-2020

Issued to: DELTA ELECTRONICS INC
252 Shang Ying Road
Kuei Shan District Taoyuan City
Taiwan 333

**This is to certify that
representative samples of**

GPWV8 - Fans, Electric 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. 113-18 - 11 th Ed. - Issue Date: 2018-10-01

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/about/locations/>.

CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L132003-21-03703102-2
Report Reference E132003-20130730
Date 1-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
AFB0705MC-00(Y6)	Electric Fans - Component
AFB1212HE-00(Y6)	Electric Fans - Component
AFB1212HJ-00(Y6)	Electric Fans - Component
AFB1212LE-00(Y6)	Electric Fans - Component
AFB1212LJ-00(Y6)	Electric Fans - Component
AFB1212ME-00(Y6)	Electric Fans - Component
AFB1212MJ-00(Y6)	Electric Fans - Component
ASB01703HA3-00(Y4)	Electric Fans - Component
AUB0712HJ-01(Y6)	Electric Fans - Component
AUB0812EJ-00(Y6)	Electric Fans - Component
AUB0812SJ-00(Y6)	Electric Fans - Component
AUC0912LJ-00(Y6)	Electric Fans - Component
BSC0712MC-00(Y6)	Electric Fans - Component
BUB1212HD-00(Y6)	Electric Fans - Component
BUB1212HJ-00(Y6)	Electric Fans - Component
BUC0805MA-00(Y6)	Electric Fans - Component
BUC0812VB-00(Y6)	Electric Fans - Component
EUB0912HF-02(Y6)	Electric Fans - Component
EUB1312LE-04(Y6)	Electric Fans - Component
EUB1312ME-04(Y6)	Electric Fans - Component
EUB1312MECWJ(Y6)	Electric Fans - Component
FFB0448EN-00(Y6)	Electric Fans - Component
GFC0412SS-04(Y6)	Electric Fans - Component
ND75C37(Y11)	Electric Fans - Component
ND75C38(Y11)	Electric Fans - Component
ND75C40(Y11)	Electric Fans - Component
ND75C43(Y11)	Electric Fans - Component
ND85C19(Y11)	Electric Fans - Component
ND85C20(Y11)	Electric Fans - Component
ND85C21(Y11)	Electric Fans - Component
ND85C21-20E14(Y5)	Electric Fans - Component
NS55C06(Y11)	Electric Fans - Component
NS55C06-19A12(Y5)	Electric Fans - Component
NS55C14(Y11)	Electric Fans - Component
NS85B20(Y11)	Electric Fans - Component
NS85C05-20E13(Y5)	Electric Fans - Component
NS85C38(Y11)	Electric Fans - Component
NS85C40(Y11)	Electric Fans - Component
NS85C41-20J05(Y5)	Electric Fans - Component

B. Mahlenz

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-L132003-21-03703102-2
Report Reference E132003-20130730
Date 1-Dec-2020

NS85C41-20J06(Y5)	Electric Fans - Component
NS85C45(Y11)	Electric Fans - Component
NS85C46(Y11)	Electric Fans - Component
NS85C52(Y11)	Electric Fans - Component
NS8CC01(Y11)	Electric Fans - Component
PFB0412EN-E(Y7)	Electric Fans - Component
PFB1224UHEC8X(Y5)	Electric Fans - Component
PFB1224VE-01(Y6)	Electric Fans - Component
PFC1448HE(Y9)	Electric Fans - Component
PFR0848HE-02(Y6)	Electric Fans - Component
QFR1212HE-00(Y6)	Electric Fans - Component
QUR0912SJ-00(Y6)	Electric Fans - Component
TFB0948CE-CM52(Y)	Electric Fans - Component
TFB0948CE-SX00(Y)	Electric Fans - Component
THB0948MS-01(Y6)	Electric Fans - Component
THD1348HE(Y9)	Electric Fans - Component
THD1348HE-00(Y6)	Electric Fans - Component



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-L132003-11-03703102-2
Report Reference E132003-20130730
Date 1-Dec-2020

Issued to: DELTA ELECTRONICS INC
252 Shang Ying Road
Kuei Shan District Taoyuan City
Taiwan 333

**This is to certify that
representative samples of**

GPWV2 - Fans, Electric - 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 507, 10th Ed., Issue Date: 2017-11-09, Revision Date: 2020-05-27

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



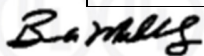
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L132003-11-03703102-2
Report Reference E132003-20130730
Date 1-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
AFB0705MC-00(Y6)	Electric Fans - Component
AFB1212HE-00(Y6)	Electric Fans - Component
AFB1212HJ-00(Y6)	Electric Fans - Component
AFB1212LE-00(Y6)	Electric Fans - Component
AFB1212LJ-00(Y6)	Electric Fans - Component
AFB1212ME-00(Y6)	Electric Fans - Component
AFB1212MJ-00(Y6)	Electric Fans - Component
ASB01703HA3-00(Y4)	Electric Fans - Component
AUB0712HJ-01(Y6)	Electric Fans - Component
AUB0812EJ-00(Y6)	Electric Fans - Component
AUB0812SJ-00(Y6)	Electric Fans - Component
AUC0912LJ-00(Y6)	Electric Fans - Component
BSC0712MC-00(Y6)	Electric Fans - Component
BUB1212HD-00(Y6)	Electric Fans - Component
BUB1212HJ-00(Y6)	Electric Fans - Component
BUC0805MA-00(Y6)	Electric Fans - Component
BUC0812VB-00(Y6)	Electric Fans - Component
EUB0912HF-02(Y6)	Electric Fans - Component
EUB1312LE-04(Y6)	Electric Fans - Component
EUB1312ME-04(Y6)	Electric Fans - Component
EUB1312MECWJ(Y6)	Electric Fans - Component
FFB0448EN-00(Y6)	Electric Fans - Component
GFC0412SS-04(Y6)	Electric Fans - Component
ND75C37(Y11)	Electric Fans - Component
ND75C38(Y11)	Electric Fans - Component
ND75C40(Y11)	Electric Fans - Component
ND75C43(Y11)	Electric Fans - Component
ND85C19(Y11)	Electric Fans - Component
ND85C20(Y11)	Electric Fans - Component
ND85C21(Y11)	Electric Fans - Component
ND85C21-20E14(Y5)	Electric Fans - Component
NS55C06(Y11)	Electric Fans - Component
NS55C06-19A12(Y5)	Electric Fans - Component
NS55C14(Y11)	Electric Fans - Component
NS85B20(Y11)	Electric Fans - Component
NS85C05-20E13(Y5)	Electric Fans - Component
NS85C38(Y11)	Electric Fans - Component
NS85C40(Y11)	Electric Fans - Component
NS85C41-20J05(Y5)	Electric Fans - Component



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-L132003-11-03703102-2
Report Reference E132003-20130730
Date 1-Dec-2020

NS85C41-20J06(Y5)	Electric Fans - Component
NS85C45(Y11)	Electric Fans - Component
NS85C46(Y11)	Electric Fans - Component
NS85C52(Y11)	Electric Fans - Component
NS8CC01(Y11)	Electric Fans - Component
PFB0412EN-E(Y7)	Electric Fans - Component
PFB1224UHEC8X(Y5)	Electric Fans - Component
PFB1224VE-01(Y6)	Electric Fans - Component
PFC1448HE(Y9)	Electric Fans - Component
PFR0848HE-02(Y6)	Electric Fans - Component
QFR1212HE-00(Y6)	Electric Fans - Component
QUR0912SJ-00(Y6)	Electric Fans - Component
TFB0948CE-CM52(Y)	Electric Fans - Component
TFB0948CE-SX00(Y)	Electric Fans - Component
THB0948MS-01(Y6)	Electric Fans - Component
THD1348HE(Y9)	Electric Fans - Component
THD1348HE-00(Y6)	Electric Fans - Component



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/>.

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50415728

Blatt *Sheet*
0049

Ihr Zeichen *Client Reference*
FMBG-115-202010035

Unser Zeichen *Our Reference*
ZTW1-YML-50165285 037

Ausstellungsdatum *Date of Issue*
20.11.2020 (day/mo/yr)

Genehmigungsinhaber *License Holder*
Delta Electronics, Inc.
252, Shangying Road,
Guishan Industrial Zone,
Taoyuan City 33341
Taiwan, R.O.C.

Fertigungsstätte *Manufacturing Plant*
Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1419061179

Geprüft nach *Tested acc. to*
IEC 62368-1:2014
EN 62368-1:2014

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Ventilator (DC Brushless Fan)

wie Blatt (as page)	01, Ergänzung (Addition)	
Bezeichnung (Type Designation)	1) GFC0412SS-04XXXXXX	1
	2) AUB0812EJ-00XXXXXX	1
	3) AUB0712HJ-01XXXXXX	1
X steht für (stands for)	A-Z, 0-9, - oder (or) freibleibend (blank)	1
Nur zum Zwecke der Vermarktung. (for marketing purpose only)		
Nennspannung (Rated Voltage)	: DC 12V	
Nennstrom (Rated Current)	: 1) 4.5A 2) 1.0A 3) 0.4A	

Max.Umgebungstemperatur (Max. Ambient Temperature): 70°C
Vermerke: Dieses Netzgerät ist auch geprüft und klassifiziert als MS2 für Bezeichnung 1), MS1 für Bezeichnung 2)3) in Tabelle 35 Abschnitt 8.2.1.
(Remark: The equipment is also tested and classified as MS2 for Type Designation 1), MS1 for Type Designation 2)3) in Table 35 of sub-clause 8.2.1.)

4

ANLAGE (Appendix): 1.36

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle

Dipl.-Ing. (FH) A. Klinker



Declaration of Conformity

Manufacturer name: Delta Electronics, Inc.

Add: 252, Shangying Road, Guishan Industrial Zone, Taoyuan City 33341, Taiwan

Tel: 886-3-359-1968

Fax: 886-3-359-1991

EU Contact address:

Delta Electronics (Netherlands) BV

Zandsteen 15, 2132 MZ Hoofddorp, The Netherlands

Is herewith confirmed the following equipment

Product: DC Fan

Type Designation: QFR0912GJ-00XXXXXX, QFR0912MJ-00XXXXXX, QFR0912LJ-00XXXXXX, QFR0812GJ-00XXXXXX, QFR0812MJ-00XXXXXX, QFR0812LJ-00XXXXXX, GFM0412SS-09XXXXXX, GFM0912HW-02XXXXXX, QFR0912EJ-00XXXXXX, QFR0924EJ-00XXXXXX, QFR0912VJ-00XXXXXX, TGM0612SS-00XXXXXX, TFD0948HE-00XXXXXX, FFB0812XHGAWXXXXXX, QFR1248GE-00XXXXXX, GFC0412SS-04XXXXXX, **AUB0812EJ-00XXXXXX**, AUB0712HJ-01XXXXXX, TFC0424VN-00XXXXXX, AUB0812H-EYNZXXXXXX, EFC1248VF-00XXXXXX, PFC1412HE-01XXXXXX, BSB01703HA3-01XXXX, GFM0812EW-00XXXXXX, TGM0812SW-00XXXXXX, TGM0812VW-01XXXXXX, FFB0412SHN-F00XXXX, AFB0412EB-00XXXXXX, GFM0412SS-12XXXXXX, AUB1212HJ-01XXXXXX, TFC0412EN-00XXXXXX, **THD0624VE-00XXXXXX**

(X stands for 0-9, A-Z, - or blank for marketing purpose only)

Comply with the following directives and requirements set out in the Council Directive on the Approximation for the Laws of the Member States

- Low Voltage Directive 2014/35/EU
 - EN 62368-1: 2014 (Report No.: R 50415728)
- Risk Assessment Report (Report No.: R 50415728_P.41-P.59_RA)
- RoHS Directive (EU) 2015/863, 2011/65/EU
 - EN IEC 63000:2018
(Ref. No.: DET_Safety Product_RoHS, DG_CZ_Safety Product_RoHS, WJ_Safety Product_RoHS)
- ErP Directive 2009/125/EC, Commission Regulation (EU) No 327/2011
(Report No.: ErP-20200901-PSM01)



Ref. No.: R 50415728_P.41-P.59_CE1

Person responsible for making this declaration

Name, Surname: Tammy Chen

Title: Senior Safety Engineer

Place: Taiwan, Delta

Date: 2021-08-19

Signature: 