

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



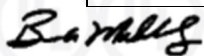
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Model	Category Description
AFB0705MC-00(Y6)	Electric Fans - Component
AFB1212HE-00(Y6)	Electric Fans - Component
AFB1212HJ-00(Y6)	Electric Fans - Component
AFB1212LE-00(Y6)	Electric Fans - Component
AFB1212LJ-00(Y6)	Electric Fans - Component
AFB1212ME-00(Y6)	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



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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



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CERTIFICATE OF COMPLIANCE

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GPWV2 - Fans, Electric - Component
See Addendum Page for Product Designation(s).

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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

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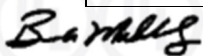
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Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50415728

Blatt *Sheet*
0013

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
SF181120K	ZTW1-YML-50165285 012	30.05.2019	(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)

AFB03512MA-CXXXXXX	AFB03512UHA-SMXXXX	AFB0412HB-AXXXXXXX	3
AFB0412MB-AXXXXXXX	AFB0412VB-AXXXXXXX	AFB0412VHB-SP06XXX	3
AFB0612DH-BC01XXXX	AFB0612DH-HM01XXXX	AFB0612EJ-01XXXXXX	3
AFB0612GJ-01XXXXXX	AFB0612HH-DE19XXXX	AFB0612HJ-01XXXXXX	3
AFB0612LJ-01XXXXXX	AFB0612MJ-01XXXXXX	AFB0612SJ-01XXXXXX	3
AFB0612VJ-01XXXXXX	AFB0812SH-SM26XXXX	AFB0912DH-AXXXXXXX	3
AFB0912GHE-CXXXXXX	AFB1212EE-01XXXXXX	AFB1212EJ-01XXXXXX	3
AFB1212H-BE1FXXXXX	AFB1212HE-00XXXXXX	AFB1212HE-01XXXXXX	3
AFB1212HJ-00XXXXXX	AFB1212LE-00XXXXXX	AFB1212LE-01XXXXXX	3
AFB1212LJ-00XXXXXX	AFB1212ME-00XXXXXX	AFB1212ME-01XXXXXX	3
AFB1212MJ-00XXXXXX	AFB1212SE-01XXXXXX	AFB1212SHA03AXXXXX	3
AFB1212VE-01XXXXXX	AFB1224HE-01XXXXXX	AFB1224LE-01XXXXXX	3
AFB1224ME-01XXXXXX	AFC0612D-9B24XXXXX	AFC0612D-SM00XXXXX	3
AFC0612VJ-00XXXXXX	AFC0912DE-CXXXXXX	AFC0912DF-01XXXXXX	3

X steht für : A-Z, 0-9, - oder (or) 1
(stands for) freibleibend (blank)

Vermerke: Für zusätzliche Informationen siehe Anlage
(Remark: For additional information see appendix)

ANLAGE (Appendix): 1.11

43

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



Albin Yang

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: AFB03512MA-CXXXXXX, AFB03512UHA-SMXXXX, AFB0412HB-AXXXXXXX, AFB0412MB-AXXXXXXX, AFB0412VB-AXXXXXXX, AFB0412VHB-SP06XXX, AFB0612DH-BC01XXXX, AFB0612DH-HM01XXXX, AFB0612EJ-01XXXXXX, AFB0612GJ-01XXXXXX, AFB0612HH-DE19XXXX, AFB0612HJ-01XXXXXX, AFB0612LJ-01XXXXXX, AFB0612MJ-01XXXXXX, AFB0612SJ-01XXXXXX, AFB0612VJ-01XXXXXX, AFB0812SH-SM26XXXX, AFB0912DH-AXXXXXXX, AFB0912GHE-CXXXXXX, AFB1212EE-01XXXXXX, AFB1212EJ-01XXXXXX, AFB1212H-BE1FXXXX, AFB1212HE-00XXXXXX, AFB1212HE-01XXXXXX, **AFB1212HJ-00XXXXXX**, AFB1212LE-00XXXXXX, AFB1212LE-01XXXXXX, AFB1212LJ-00XXXXXX, AFB1212ME-00XXXXXX, AFB1212ME-01XXXXXX, AFB1212MJ-00XXXXXX, AFB1212SE-01XXXXXX, AFB1212SHA03AXXXXX, AFB1212VE-01XXXXXX, AFB1224HE-01XXXXXX, AFB1224LE-01XXXXXX, AFB1224ME-01XXXXXX, AFC0612D-9B24XXXX, AFC0612D-SM00XXXX, AFC0612VJ-00XXXXXX, AFC0912DE-CXXXXXX, AFC0912DF-01XXXXXX

(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)
 - EN 60335-1: 2012+A11 (Report No.:)
 - EN 60335-2-80:2003+A1:2004+A2:2009 (Report No.:)
 - EN 60335-2-40:2003+A11+A12+A1+A2+A13 (Report No.:)
 - EN 62233:2008 (Report No.:)
- Risk Assessment Report (Report No.:R50415728_P.13_RA)

RoHS Directive (EU) 2015/863

EN 50581: 2012

(Ref. No.: DET_Safety Product_RoHS, WJ_Safety Product_RoHS, DG_CZ_Safety_Product_RoHS)

ErP Directive 2009/125/EC, Commission Regulation (EU) No 327/2011

(Report No.:)

Person responsible for making this declaration

Name, Surname: Tammy Chen

Title: Senior Safety Engineer

Place: Taiwan, Delta

Date: 2019-5-30

Signature: 