

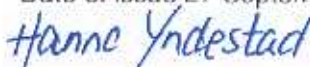
CERTIFICATE No. P05204910

Accredited Certificate (ref. NA-PROD 004)

Order No. 52343

Applicant	Fairchild Semiconductor 3001 Orchard Parkway 95134 San Jose CA USA
Manufacturer	Fairchild Semiconductor 3001 Orchard parkway 95134 San Jose CA USA
Factory	Refer to own page
Group	Optocouplers
Model/type	FOD814
Data	Operating temperature 105°C
Other specification	See page 6 for details
The changes concern	Change in operating temperature
The above product is certified according to the following standard(s)	Safety std.: EN 60950-1:2001, including possible listed national conditions/deviations for Norway.
Validity	The addendum together with the original certificate, and possible previous addendum/addenda, documents conformity with the standards shown. The certification is valid as long as the applicable conditions are complied with, and provided that any changes to the product are notified to Nemko for acceptance prior to implementation. New standards or amendments to the standards may imply that the product design must be updated and/or that re-testing and re-certification is necessary.
Additional information	The certification is based on Notification of Nordic Test Results from SGS Fimko Certificate 21978 A1. The design is presupposed to be identical to the sample tested. The above certified equipment complies with current technical standard(s) in Norway regarding safety, as far as this can be checked. Compliance with requirements regarding building-in, protection against electric shock and Electromagnetic Compatibility (EMC) must be checked when the equipment is built-in a completed product or forms a part of a complete system. It should be noted that by marketing of equipment subject to official registration in Norway, the party responsible for the marketing shall be registered by the Norwegian Directorate for Product- and Electrical Safety.
Variants	This addendum also covers variants with Position No. from 001 to 027 See next page(s)

Date of issue 27 September 2005



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Hanne Yndestad
Certification Department

ADDENDUM No. 1 to

CERTIFICATE No. P05204910

Accredited Certificate (ref. NA-PROD 004)

Order No. 52343

Group Optocouplers
Position No 001
Model/type H11AA814
Data Operating temperature 100°C
Other specification See page 6 for details

Group Optocouplers
Position No 002
Model/type FOD815
Data Operating temperature 105°C
Other specification See page 6 for details

Group Optocouplers
Position No 003
Model/type FOD816
Data Operating temperature 105°C
Other specification See page 6 for details

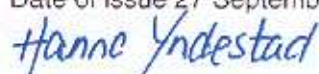
Group Optocouplers
Position No 004
Model/type FOD817
Data Operating temperature 110°C
Other specification See page 6 for details

Group Optocouplers
Position No 005
Model/type FOD617
Data Operating temperature 110°C
Other specification See page 6 for details

Group Optocouplers
Position No 006
Model/type FOD852
Data Operating temperature 105°C
Other specification See page 6 for details

Group Optocouplers
Position No 007
Model/type FOD814A
Data Operating temperature 105°C
Other specification See page 6 for details

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Order No. 52343

Group Optocouplers
Position No 008
Model/type FOD817A
Data Operating temperature 110°C
Other specification See page 6 for details

Group Optocouplers
Position No 309
Model/type FOD817B
Data Operating temperature 110°C
Other specification See page 6 for details

Group Optocouplers
Position No 010
Model/type FOD817C
Data Operating temperature 110°C
Other specification See page 6 for details

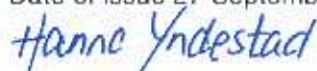
Group Optocouplers
Position No 011
Model/type FOD817D
Data Operating temperature 110°C
Other specification See page 6 for details

Group Optocouplers
Position No 012
Model/type FOD617A
Data Operating temperature 110°C
Other specification See page 6 for details

Group Optocouplers
Position No 013
Model/type FOD617B
Data Operating temperature 110°C
Other specification See page 6 for details

Group Optocouplers
Position No 014
Model/type FOD617C
Data Operating temperature 110°C
Other specification See page 6 for details

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Order No. 52343

Group Optocouplers
Position No 015
Model/type FOD617D
Data Operating temperature 110°C
Other specification See page 6 for details

Group Optocouplers
Position No 016
Model/type H11AA814A
Data Operating temperature 100°C
Other specification See page 6 for details

Group Optocouplers
Position No 017
Model/type H11B815
Data Operating temperature 100°C
Other specification See page 6 for details

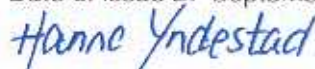
Group Optocouplers
Position No 018
Model/type H11A817
Data Operating temperature 100°C
Other specification See page 6 for details

Group Optocouplers
Position No 019
Model/type H11A817A
Data Operating temperature 100°C
Other specification See page 6 for details

Group Optocouplers
Position No 020
Model/type H11A817B
Data Operating temperature 100°C
Other specification See page 6 for details

Group Optocouplers
Position No 021
Model/type H11A817C
Data Operating temperature 100°C
Other specification See page 6 for details

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Order No. 52343

Group Optocouplers
Position No 022
Model/type H11A817D
Data Operating temperature 100°C
Other specification See page 6 for details

Group Optocouplers
Position No 023
Model/type H11A617
Data Operating temperature 100°C
Other specification See page 6 for details

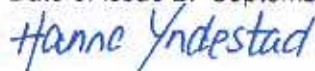
Group Optocouplers
Position No 024
Model/type H11A617A
Data Operating temperature 100°C
Other specification See page 6 for details

Group Optocouplers
Position No 025
Model/type H11A617B
Data Operating temperature 100°C
Other specification See page 6 for details

Group Optocouplers
Position No 026
Model/type H11A617C
Data Operating temperature 100°C
Other specification See page 6 for details

Group Optocouplers
Position No 027
Model/type H11A617D
Data Operating temperature 100°C
Other specification See page 6 for details

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Order No. 52343

Other specification

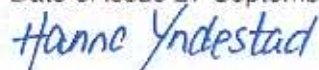
Distance through insulation between input and output is more than 0.4mm, measured a minimum of 0.7mm.
External creepage distances/clearances between input and output are more than 5mm/4mm, measured a minimum of 7.8mm / 7.4mm.
Internal creepage distances between input and output are more than 4mm, measured a minimum of 5.2mm.
Insulation between the input and output withstands electric strength test of 3000 V/1 minute, it withstands also electric strength test of 5000 V/1 minute.
Enclosure of the component withstands electric strength test of 1500 V/1 minute and it fulfils the requirement of basic insulation.
Enclosure of the component is made of class V-0 material.

Factories:

Lite-On Electronics (Thailand) Co. Ltd
38/4 Moo 1, Rangsit-Ongkarak Road
Bunyeetoh, Tanyaburi
Pathumthani 12130
THAILAND

Lite-On Electronics Inc. (TianJin)
No. 11 Fu-Yuan Road,
Wuqing Development Area
Tianjin
CHINA

Date of issue 27 September 2005



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Hanne Yndestad

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