

Lite-On Technology Corporation  
90, Chien I Road  
Chung Ho City, 235 Taipei Hsien  
TAIWAN

Att. Mrs. Sophia Pi

10 May 2005

Your ref.: Mrs. Sophia Pi

Our ref.: 44284  
Karianne Teie

### COVERING LETTER

Please find enclosed our certificate(s) as a result of the above mentioned order.

We thank you for this assignment, and are looking forward to our continued cooperation.

Yours sincerely

Nemko AS

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Nemko AS	Office address	Telephone	Fax
P.O. Box 73, Blindern	Gaustadalléen 30	+47 22 96 03 30	+47 22 96 05 50
N-0314 Oslo, Norway	Oslo	Enterprise number:	NO 974404532

No. P05204381

Accredited Certificate (ref. NA-PROD 004)

Order No. 44284

Applicant	Lite-On Technology Corporation 90, Chien I Road Chung Ho City, 235 Taipei Hsien TAIWAN
Manufacturer	Lite-On Technology Corporation 90, Chien I Road Chung Ho City, 235 Taipei Hsien TAIWAN
Factory	Refer to own page
Group	Optocouplers
Model/type	LTV816....
Data	-
Other specification	The dots "...." indicates the type of the packaging, and can be blank, M, S, -TA or -TA1. Blank: Dual-in-line package. M: Wide lead spacing package. S: Surface mounting package. -TA or -TA1: Tape and reel packaging. See page 3 for additional information.
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	This certificate documents conformity with the standards shown, and also applies as license for use of Nemko's name and certification mark. The certificate and license 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 FIMKO Certificate 21712 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 Certificate also covers variants with Position No. from 001 to 005 See next page(s)

Date of issue 10 May 2005

  
signatureHanne Yndestad  
Certification DepartmentNemko AS  
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Group	Optocouplers
Position No	001
Model/type	LTV826....
Data	-
Other specification	The dots "...." indicates the type of the packaging, and can be blank, M, S, -TA or -TA1. Blank: Dual-in-line package. M: Wide lead spacing package. S: Surface mounting package. -TA or -TA1: Tape and reel packaging. See page 3 for additional information.
Group	Optocouplers
Position No	002
Model/type	LTV846....
Data	-
Other specification	The dots "...." indicates the type of the packaging, and can be blank, M, S, -TA or -TA1. Blank: Dual-in-line package. M: Wide lead spacing package. S: Surface mounting package. -TA or -TA1: Tape and reel packaging. See page 3 for additional information.
Group	Optocouplers
Position No	003
Model/type	LTV817....
Data	-
Other specification	The dots "...." indicates the type of the packaging, and can be blank, M, S, -TA or -TA1. Blank: Dual-in-line package. M: Wide lead spacing package. S: Surface mounting package. -TA or -TA1: Tape and reel packaging. See page 3 for additional information.
Group	Optocouplers
Position No	004
Model/type	LTV827....
Data	-
Other specification	The dots "...." indicates the type of the packaging, and can be blank, M, S, -TA or -TA1. Blank: Dual-in-line package. M: Wide lead spacing package. S: Surface mounting package. -TA or -TA1: Tape and reel packaging. See page 3 for additional information.
Group	Optocouplers
Position No	005
Model/type	LTV847....
Data	-
Other specification	The dots "...." indicates the type of the packaging, and can be blank, M, S, -TA or -TA1. Blank: Dual-in-line package. M: Wide lead spacing package. S: Surface mounting package. -TA or -TA1: Tape and reel packaging. See page 3 for additional information.

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**Additional information:**

Distance through insulation between input and output is more than 0.4mm, measured a minimum of 0.8mm.  
External creepage distances/clearances between input and output are more than 5mm/4mm, measured a minimum of 7.8mm.  
Internal creepage distances between input and output are more than 4mm, measured a minimum of 5.2mm.  
Insulation between the input and the 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,  
Bungyeetoh, Tanyaburi  
Pathumthani 12130  
THAILAND

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

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signature

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Certification Department

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