

**NEC LCD Technologies' New 8.4-Inch LCD
with Ultra-Advanced, Super-Fine TFT Technology for Industrial Use**

DÜSSELDORF, Germany, September 22, 2005 — NEC Electronics Europe and NEC LCD Technologies, Ltd. today announced that at the end of October they will begin shipping samples of its new 8.4-inch (21-centimeters-diagonal) video graphics array (VGA), amorphous silicon, thin film transistor liquid crystal display (TFT LCD) module, part number NL6448BC26-08D. This module features NEC LCD Technologies' proprietary ultra-advanced, super-fine TFT (UA-SFT) technology, which enables ultra-wide viewing angles, high luminance, a wide color gamut and high contrast ratio.

The three key features that distinguish this model are as follows:

(1) High Luminance and Wide Color Gamut

High luminance of 400cd/m² and a wide color gamut of 72 percent, equivalent to that of a cathode-ray tube (CRT), are realized through NEC LCD Technologies' own unique UA-SFT technology, which boasts improved panel transmissivity (180 percent from A-SFT technology, and 120 percent from SA-SFT technology). This LCD achieves accurate reproduction of clear and vivid color images even in bright environments.

(2) Ultra-wide viewing angle

UA-SFT technology enables an ultra-wide viewing angle of 170 degrees (contrast ratio greater than 10:1) and reduces the color and/or contrast shift that can result from a change in viewing angle. The display is capable of operating in either portrait or landscape modes thus affording greater flexibility in viewing positions, installation locations and display usage.

(3) Wide Operating-Temperature Range

A wide operating temperature range, from -10 to +70 degrees Celsius, guarantees operation in even the most extreme conditions.

NEC LCD Technologies developed this 8.4-inch VGA TFT LCD module in response to the increasing demand by customers in a variety of industrial applications for more cost efficient UA-SFT-based LCDs. Following the success of NEC's 8.4-inch XGA TFT module (part number NL10276BC16-01), introduced in July 2003 as the first product incorporating the UA-SFT

technology, NEC decided to apply the technology to additional display resolutions and sizes to target a broader range of industrial display applications. This new VGA LCD features an equivalent brightness level and added energy savings of approximately 45 percent compared to the XGA model.. Moreover, due to the switch from XGA to VGA, the new module is available at a lower cost, and its possible areas of use have been broadened due to an expanded operating temperature.

“Having achieved a more cost efficient 8.4-inch LCD module, we expect to see a significant increase in their use in LCD devices and in their fields of use.” said Hidetoshi Usui, department manager in charge of product planning and marketing, NEC LCD Technologies, Ltd.

NEC LCD Technologies will expand sales promotion of its line-up of LCDs adopting UA-SFT technology to a variety of industries requiring higher picture quality, and will continue to develop and promote top-of-the-line TFT LCD modules that respond to the emerging needs of a variety of industrial fields.

- *Attached are the main specifications of the new 8.4-inch LCD module*

Main Specifications of the New 8.4-Inch LCD Module

Part number:	NL6448BC26-08D
Drive system:	Amorphous silicon TFT active matrix
Display area:	170.88mm x 128.16mm Diagonal screen size of 8.4 inches (21 cm)
Pixel:	640(H) x 480(V) pixels
Pixel arrangement:	RGB vertical stripe
Pixel pitch:	0.267(H) x 0.267(V) mm
Display color:	16,777,216 colors / 262,144 colors
Luminance:	400cd/m ² (typ.)
Contrast ratio:	800:1 (typ.)
Viewing angle:	Vertical : Up 85 degrees, down 85 degrees typ. Horizontal : Right 85 degrees, left 85 degrees typ. (contrast ratio at over 10:1)
Response time:	20 ms (typ.) (TON + TOFF: from 10% to 90%)
Interface:	LVDS RGB (8 bits each / 6 bits each)
Operating temperature:	-10 degrees C to +70 degrees C
Storage temperature:	-20 degrees C to +80 degrees C
Module size:	200.0 mm (typ.) x 152.0 mm (typ.) x 11.0 mm (max.)
Weight:	330g (typ.)
Recommended inverter:	84PW031 / 84PW041
Power consumption:	5.4 W (typ.) (Power dissipation of the inverter is not included.)

Note:

Please note that the press releases and other information in this file may be out of date when observed. Please refer to other portions of NEC LCD Technologies' website for more current information concerning it and its current business activities

About NEC Electronics (Europe) GmbH

NEC Electronics (Europe) GmbH, headquartered in Duesseldorf, Germany, is a leading developer and supplier of semiconductor products in Europe. Committed to meeting customers' cost, performance and time-to-market requirements, the company offers solutions ranging from standard products to system-on-a-chip (SoC) solutions, as well as customized products for next-generation designs. Our customers also benefit from state-of-the-art manufacturing from the global production network of our parent company, NEC Electronics Corporation. Additionally, NEC Electronics (Europe) GmbH is the exclusive European sales and marketing channel of LCD modules from NEC LCD Technologies Ltd.. For more information visit <http://www.eu.necel.com>.

About NEC LCD Technologies, Ltd.

NEC LCD Technologies, Ltd. is one of the world's leading providers of high-quality, innovative, active-matrix liquid crystal display (AM-LCDs) modules for the industrial and high-end monitor markets. The company focuses its development on three core technology areas: ultra-wide viewing angle SFT technology with high luminance and fast response; transfective NLT technology; and adaptive design technology that meet a variety of specialized needs for the flat panel display markets. NEC LCD Technologies' worldwide support includes sales and marketing affiliates NEC Electronics America, Inc. (www.necelam.com) and NEC Electronics Europe (www.eu.necel.com) that offer specialized display solutions to their respective markets. NEC LCD Technologies employs approximately 1,200 people worldwide and offers one of the broadest product portfolios for the medical, factory automation, test and measurement, entertainment, kiosk, POS and ATM markets. Additional information can be found at <http://www.nec-lcd.com/english/index.html>.

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