



TYPE APPROVAL CERTIFICATE
No. **ELE122512PU**

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	LCD Touch Panel for Graphic Operator Interface
<i>Type</i>	GP4000 Series
<i>Applicant</i>	DIGITAL ELECTRONICS CORPORATION 8-2-52 NANKOHIGASHI, SUMINOE-KU 559-0031 OSAKA, JAPAN
<i>Manufacturer</i>	WUXI PRO-FACE ELECTRONICS CO., LTD.
<i>Place of manufacture</i>	NO. 20 HANJIANG ROAD, WUXI NEW DISTRICT 214028 WUXI, JIANGSU, CHINA
<i>Reference standards</i>	Rules for the Classification of Ships - Part C - Machinery, Systems and Fire Protection - Chapter 3, Section 6, Table 1

Issued in **BUSAN** on **July 29, 2012**. This Certificate is valid until **July 28, 2017**



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This certificate consists of this page and 1 enclosure



GP4000 Series

Product Description

- The **GP4000 Series** is LCD Touch Panels used for Graphic Operator Interface.
 - Rated Power: 24V DC
 - Color: 65,536 colors TFT
 - Brightness Control: 8 or 16 levels
 - Operational Temperature: 0~50 °C or 0~55 °C
 - Interfaces: One or Two Serial RS232C/RS422/RS485, Two USB and Ethernet (Except PFX4201TADW)

• Models

Model		Size	Power Consumption	Touch Panel Type	Resolution	Pixel
GP-4600 Series	PFXGP4601TAD	12.1"	17W or less	Analogue	SVGA	800 x 600
	PFXGP4601TMD	12.1"	17W or less	Matrix	SVGA	800 x 600
	PFXGP4603TAD	12.1"	17W or less	Analogue	SVGA	800 x 600
GP-4500 Series	PFXGP4501TADW	10.4"	17W or less	Analogue	VGA	640 x 480
	PFXGP4501TAD	10.4"	17W or less	Analogue	VGA	640 x 480
	PFXGP4501TMD	10.4"	17W or less	Matrix	VGA	640 x 480
	PFXGP4503TAD	10.4"	17W or less	Analogue	VGA	640 x 480
GP-4400 Series	PFXGP4401TAD	7.5"	12W or less	Analogue	VGA	640 x 480
	PFXGP4401WADW	7.0"	12W or less	Analogue	WVGA	800 x 480
GP-4300 Series	PFXGP4301TAD	5.7"	10.5W or less	Analogue	QVGA	320 x 240
	PFXGP4303TAD	5.7"	10.5W or less	Analogue	QVGA	320 x 240
	PFXGP4301TADW	5.7"	10.5W or less	Analogue	QVGA	320 x 240
GP-4200 Series	PFXGP4201TAD	3.5"	9.6W or less	Analogue	QVGA	320 x 240
	PFXGP4203TAD	3.5"	9.6W or less	Analogue	QVGA	320 x 240
	PFXGP4201TADW	3.5"	9.6W or less	Analogue	QVGA	320 x 240

*) All models may be followed by any letter or number that indicates PCBA coating or software combinations.

Reference Documents

- Manual: Manufacture's document "GP4000 Series Hardware Manual"
- Technical Document: Manufacture's document No. NSH-11032-14 (RINA Approval No. PUEL-3043 dated 11/06/2012)
- Test Procedure: Total Inspection Procedure No. 11DD-4PL00600-1
- Test Reports: ENV Test Report stamped by NK, ABS, DNV, LR and BV Classification Report No. NSH-11032-TR dated 06/03/2012, EMC Test Report PANOSONIC Corp. Analysis Center No. 23-265 dated 27/02/2012, Visual Inspection & Performance Test Report attended by RINA Surveyor dated 05/07/2012

Note/Remark

- Traceability of Hardware and Software is to be ensured for each installation and evidence is to be available on request.
- The product is subject to the compliance with RINA Rules and Standards mentioned on the certificates
- Type Approval certifies that a representative sample of the product has been found to meet the applicable design criteria
- Any modification or change shall not be valid until approval is granted by RINA as a result of due assessment.

BUSAN June 29, 2012



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