


Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.

This certificate is issued to:

PRODUCER	Digital Electronics Corporation 8-2-52, Nanko Higashi, Suminoe-ku, Osaka, 559-0031 Japan
PLACE OF PRODUCTION	Wuxi Pro-face Electronics Co., Ltd. No.20, Hanjiang Road, Wuxi New District, Wuxi, Jiangsu, 214028, P/R/China
DESCRIPTION	Graphic Operator Interface
TYPE	GP4000 Series compromise; PFXGP4601TAD : 12.1", 800x600 pixels, SVGA TFT Color LCD, Analog touch panel, D.C. type, With or without coating on PCBA PFXGP4601TMD : 12.1", 800x600 pixels, SVGA TFT Color LCD, Matrix touch panel, D.C. type, With or without coating on PCBA PFXGP4603TAD : 12.1", 800x600 pixels, SVGA TFT Color LCD, Analog touch panel, D.C. type, Isolated RS-485, With or without coating on PCBA PFXGP4501TADW : 10.4", 640x480 pixels, VGA TFT Color LCD, Analog touch panel, D.C. type, Small Memory With or without coating on PCBA

Certificate No.	12/10022
Issue Date	28 May 2012
Expiry Date	27 May 2017
Sheet	1 of 3


T. Inokuchi
Kobe Office
Lloyd's Register

Lloyd's Register, registered office:
71 Fenchurch Street, London EC3M 4BS

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Type (Continued)	PFXGP4501TAD	: 10.4", 640x480 pixels, VGA TFT Color LCD, Analog touch panel, D.C. type, With or without coating on PCBA
	PFXGP4501TMD	: 10.4", 640x480 pixels, VGA TFT Color LCD, Matrix touch panel, D.C. type, With or without coating on PCBA
	PFXGP4503TAD	: 10.4", 640x480 pixels, VGA TFT Color LCD, Analog touch panel, D.C. type, Isolated RS-485, With or without coating on PCBA
	PFXGP4401TAD	: 7.5", 640x480 pixels, VGA TFT Color LCD, Analog touch panel, D.C. type, With or without coating on PCBA
	PFXGP4401 WADW	: 7.0", 800x480 pixels, WVGA Wide TFT Color LCD, Analog touch panel, D.C. type, Small Memory, With or without coating on PCBA
	PFXGP4301TAD	: 5.7", 320x240 pixels, QVGA TFT Color LCD, Analog touch panel, D.C. type, With or without coating on PCBA
	PFXGP4303TAD	: 5.7", 320x240 pixels, QVGA TFT Color LCD, Analog touch panel, D.C. type, Isolated RS-485, With or without coating on PCBA
	PFXGP4301TADW	: 5.7", 320x240 pixels, QVGA TFT Color LCD, Analog touch panel, D.C. type, Small Memory, With or without coating on PCBA

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Type (Continued)	PFXGP4201TAD	: 3.5", 320x240 pixels, QVGA TFT Color LCD, Analog touch panel, D.C. type, With or without coating on PCBA
	PFXGP4203TAD	: 3.5", 320x240 pixels, QVGA TFT Color LCD, Analog touch panel, D.C. type, Isolated RS-485, With or without coating on PCBA
	PFXGP4201TADW	: 3.5", 320x240 pixels, QVGA TFT Color LCD, Analog touch panel, D.C. type, Small Memory, With or without coating on PCBA

Type name may be followed by additional letter or number(s) that indicates PCBA coating or software combinations.

APPLICATION

Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 in the "General Power Distribution Zones" and/or "Bridge and Deck Zone" as defined in LR Type Approval System Test Specification No. 1-2002 where the Test Specification is satisfactory for the intended operation.

ADDITIONAL TEST

Low Temperature Test : -25°C, 2 hours
Dry Heat Test : 70°C, 16 hours

DESIGN CODE

Manufacturer's "GP4000 Series Hardware Manual"

RATINGS

Power Supply : 24V d.c.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 12/10022 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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