

Type Approval Certificate Extension

This is to certify that Certificate No. 01/10072(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

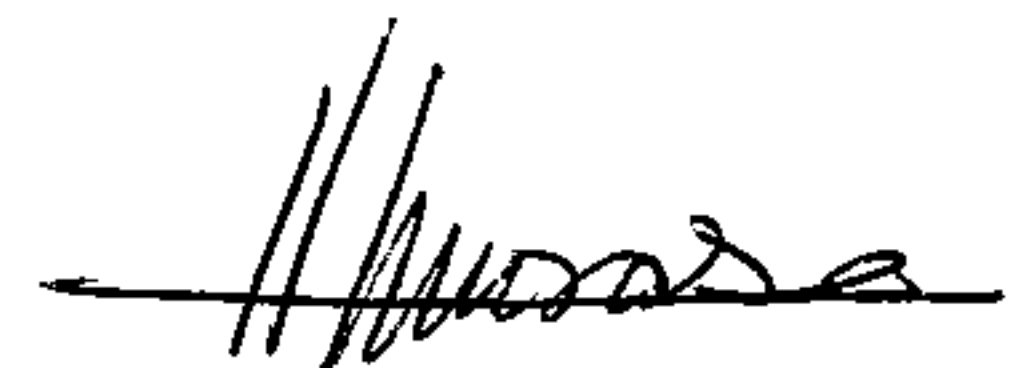
PRODUCER	Kawai Electronic Innovation System Co.,Ltd.
PLACE OF PRODUCTION	1-1-5, Ikuno Nishi, Ikuno-ku, Osaka, 544-0024, Japan
DESCRIPTION	LCD Panel Display for Computer System
TYPE	KEI-LCD10A : 10.4" LCD display for 100V a.c. power supply KEI-LCD10D : 10.4" LCD display for 24V d.c. power supply KEI-LCD12A : 12" LCD display for 100V a.c. power supply KEI-LCD12D : 12" LCD display for 24V d.c. power supply KEI-LCD15A : 15" LCD display for 100V a.c. power supply KEI-LCD15D : 15" LCD display for 24V d.c. power supply
APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 in "Bridge and Deck Zone" as defined in LR's Test Specification No. 1-2002.
DESIGN CODE	Manufacturer's specification No. NK-TYPLCD-512

"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 Asia of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No.01/10072(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 01/10072(E1) to which this extension should be attached.

Certificate No.	01/10072(E2)
Issue Date	21 September 2006
Expiry Date	20 September 2011
Sheet	1 of 1



H. Murase
Yokohama Design Support
& Plan Approval Department
Lloyd's Register Asia



Marine Design Appraisal Document

Lloyd's Register Asia
Yokohama Design Support
& Plan Approval Department
Queen's Tower A, 10th Floor,
2-3-1, Minatomirai, Nishi-ku,
Yokohama 220-6010, Japan

Date
21 September 2006

Quote this reference on all future communications
YPA/T/TIN/67652 (E01-48)

THE LR TYPE APPROVAL SYSTEM, 2002.
Issued to: KAWAI ELECTRONIC INNOVATION SYSTEM CO.,LTD.
for: LCD PANEL DISPLAY FOR COMPUTER SYSTEM
TYPE APPROVAL CERTIFICATE No. 01/10072(E2)

The undernoted documents have been reviewed for compliance with the requirements of the LR Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request for Marine Service	dated 9 August 2006
Approval Service – Request for Quotation	dated 9 August 2006
Specification "LCD PANEL DISPLAY(KEI-LCD10/KEI-LCD12/KEI-LCD15)	
	Dated 17 August 2006

TEST REPORTS

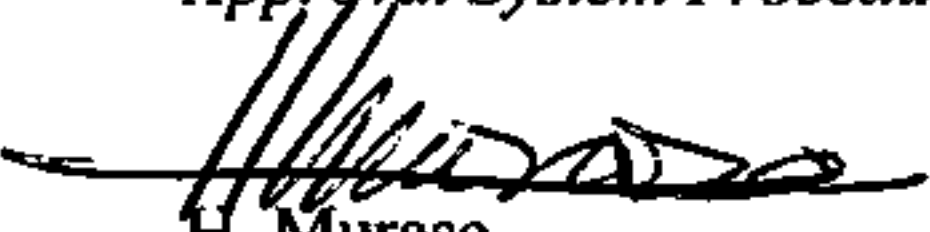
Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register Asia reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.


H. Murase
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Plan Approval Department
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FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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Part 3

Control Units

Producer/Licence No.	Item Description	Technical Details	Category/Additional Tests	Remarks	Cert. No.
Kawai Electronic Innovation System Co. Ltd. 1-1-5, Ikuno Nishi, Ikuno-ku, Osaka, 544-0024, Japan	LCD Panel Display for Computer System KEI-LCD10A: 10.4"LCD, 100V a.c. KEI-LCD10D: 10.4"LCD, 24V d.c. KEI-LCD12A: 12"LCD, 100V a.c. KEI-LCD12D: 12"LCD, 24V d.c. KEI-LCD15A: 15"LCD, 100V a.c. KEI-LCD15D: 15"LCD, 24V d.c.	Power supply 100V a.c. 24V d.c. Display material TFT Full Colour Liquid Crystal Input signal R,G,B,H,V.	ENV1 ENV2 (2002) in "Bridge and Deck Zone"	Expire: 20 September 2011 See Specification N0. NK-TYPLCD-512	01/10072(E2)

Lloyd's Register Asia
Yokohama Design Support &
Plan Approval Department



SEP. 2 1. 2006