Design Accelerator Kit
Datasheet
LVDS Interface

Mitsubishi Electric US, Inc.
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1.0 Preface

This design accelerator kit is developed to assist in evaluating our LCD products. It contains necessary items to make our LCD functional with common computer equipment requiring minimal effort by customer users. It is not meant to be used in production version of any end equipment. It is assumed user processes necessary skills in its assembly and use.

2.0 Features and supported LCD types

LCD Interface	LVDS
Computer interface	DVI, VGA
Resolution	VGA, SVGA, XGA, WVGA, WXGA (note 1)
LED backlight driver	Yes, 200mA maximum, adjustable
External, in-panel backlight driver control	Yes, 12V DC, on/off, analog brightness control
DC power input	12V, AC adapter included

Note 1: Each kit only support one resolution.

3.0 Content

3.1 Analog/Digital video interface board
DVI/VGA to LVDS video signal, integrated LED backlight driver with analog brightness control. Provisions for external LED backlight drivers.

3.2 AC to 12V DC power adapter

3.3 LVDS cable to LCD, 20 pins

3.4 LED backlight driver cable for 2 string LCDs.

Note: LCD models requiring higher output current than specified above will require external driver board and cabling. LCD models with 4 strings and higher LED backlight will require external driver board and cabling.

3.5 LCD integrated LED backlight driver cable.

3.6 LCD panel demo stand.

3.7 Assembly and operation instructions.

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