



FR-LVDS-V

(24 bit Single LVDS to VGA_{CONN.})

Quick Install Guide (QIG) Preliminary

Feature:

(Input): 24-bit Single-Channel LVDS.

(Output): VGA-15 pin connector. (for [FR-LVDS8-V](#) use)

(Output): VGA-Wafer connector. (for [FR-LVDS8-W](#) use)

- Converting input signals to TMDS with non-sync regulation.
- VESA data format. (T3M&P for higher bit transmission)
- LVDS data latch at falling edge of transmit clock frequency of max.85MHz.
- No EDID supported

Ordering Information:

[FR-LVDS8-V](#): Board for 24-bit single LVDS to VGA-15 pin connector.

[FR-LVDS8-W](#): Board for 24-bit single LVDS to VGA- Wafer connector.

Connector:

LVDS Connector Input(W1): DFF14-20S			
Pin num	Description	Pin num	Description
Pin1	Power Input (DC5V)	Pin2	Power Input (DC5V)
Pin3	GND	Pin4	HPD_DVI
Pin5	T0M	Pin6	T0P
Pin7	GND	Pin8	T1M
Pin9	T1P	Pin10	GND
Pin11	T2M	Pin12	T2P
Pin13	GND	Pin14	TCLKM
Pin15	TCLKP	Pin16	GND
Pin17	T3M (for R6-7,B6-7,G6-7)	Pin18	T3P (for R6-7,B6-7,G6-7)
Pin19	DDC_SCL	Pin20	DDC_SDA



VGA Connector Output(J1): 15pin,Female,side entry			
Support model: FR-LVDS8-V			
Pin num	Description	Pin num	Description
Pin1	Red	Pin2	Green
Pin3	Blue	Pin4	NC
Pin5	GND	Pin6	R-GND
Pin7	G-GND	Pin8	B-GND
Pin9	5V supply	Pin10	GND
Pin11	NC	Pin12	DDC-SDA
Pin13	Hsync	Pin14	Vsync
Pin15	DDC-SCL		

Wafer Connector Output(W2): 10pin,2.0mm,side entry			
Support model: FR-LVDS8-W			
Pin num	Description	Pin num	Description
Pin1	Red	Pin2	Green
Pin3	Blue	Pin4	GND
Pin5	Hsync	Pin6	Vsync
Pin7	GND	Pin8	DDC-SCL
Pin9	DDC-SDA	Pin10	5V supply



Dimension:

