Bitec
DSP SOLUTIONS FOR INDUSTRY & RESEARCH
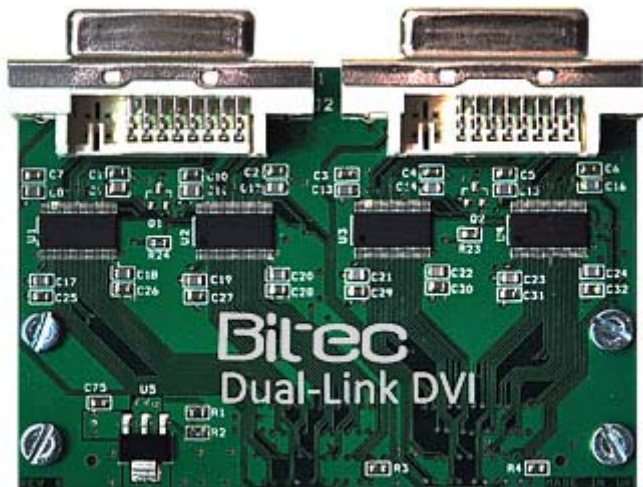
Product Brief:

HSMC DUAL CHANNEL

DUAL-LINK

DVI DAUGHTERCARD

ALTERA®

Altera, MegaCore and the
Altera and Cyclone logos
are Reg. U.S. Pat. & Tm.
Off. and marks of Altera in
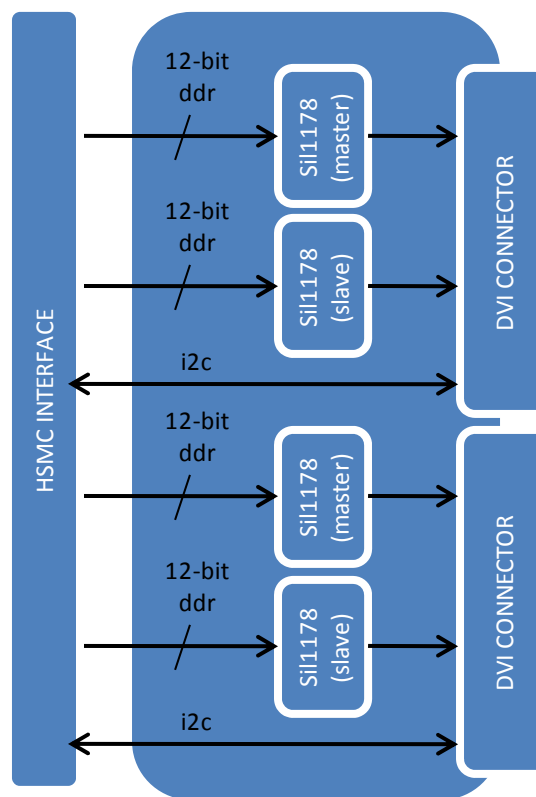and outside the US

Features

- Single link operation from 25-165 Megapixels per second (VGA to UXGA)

- Dual link operation up to 330 Megapixels per second (QUXGA - 3200×2400)

- EDID reading/writing

- 12-bit (½ pixel) DDR input with flexible input clocking: Single-clock/dual-edge or dual-clock/single-edge

- I2C slave programming interface

- Cable distance support: Over 10 m

- Monitor detection through Hot-Plug

- Compliant with DVI 1.0

The Bitec HSMC DUAL-LINK DVI output interface card enables designers to connect 2, high resolution displays. Based on the Silicon Image Sil1178, the daughter card has two

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independat Dual-Link DVI transmitters both capable of up to 330 Mpps (QUXGA - 3200×2400) pixel rates.

The hsmc dvi daughter card also supports a serial eeprom for FPGA design security. Developers can distribute demonstrations of their IP locked to the hsmc bvdc card. For more information click here.

Re-visit reguarly for future updates and reference design releases.

HSMC INTERFACE

12-bit ddr — Sil1178 (master) → DVI CONNECTOR

12-bit ddr — Sil1178 (slave) → DVI CONNECTOR

i2c

12-bit ddr — Sil1178 (master) → DVI CONNECTOR

12-bit ddr — Sil1178 (slave) → DVI CONNECTOR

i2c

For more information http://www.bitec-dsp.com

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