STDP8028

Features
■ Dual 10-bit triple ADCs with capture up to 205 MHz
■ Integrated dual digital inputs supporting HDMI 1.3 receiver
■ Integrated DisplayPort 1.1 compliant receiver
■ Integrated 3D video decoder
■ Next generation true 10-bit Faroudja DCDi Cinema® format processing
■ Flexible DDR2 memory interface 32 bits wide
■ Advanced Picture-in-Picture (PIP) features capabilities
■ Faroudja RealColor® processing
■ On-chip microprocessor
■ Advanced bit-mapped OSD controller
■ Embedded 10-bit dual-channel LVDS for WUXGA panel support
■ Multi-standard digital and analog audio decoder and post-processor

Applications
■ Multimedia monitors

STDP8028 LCD Panel
DDR2
Flash
I2S
Audio L/R In, SPDIF In
HDMI Input
DVI Input
DisplayPort Input
3 Analog RGB Inputs
16 Configurable Analog Inputs
Audio L/R In, SPDIF In
3 Analog RGB Inputs
I2S
Keypad & LED
LVDS TCON Rx
Column Driver
Row Driver
LVDS
Audio Amp
LVDS
LCD Panel