



Two-Lane Displayport to VGA Adapter IC

PTN3392BS

Archived

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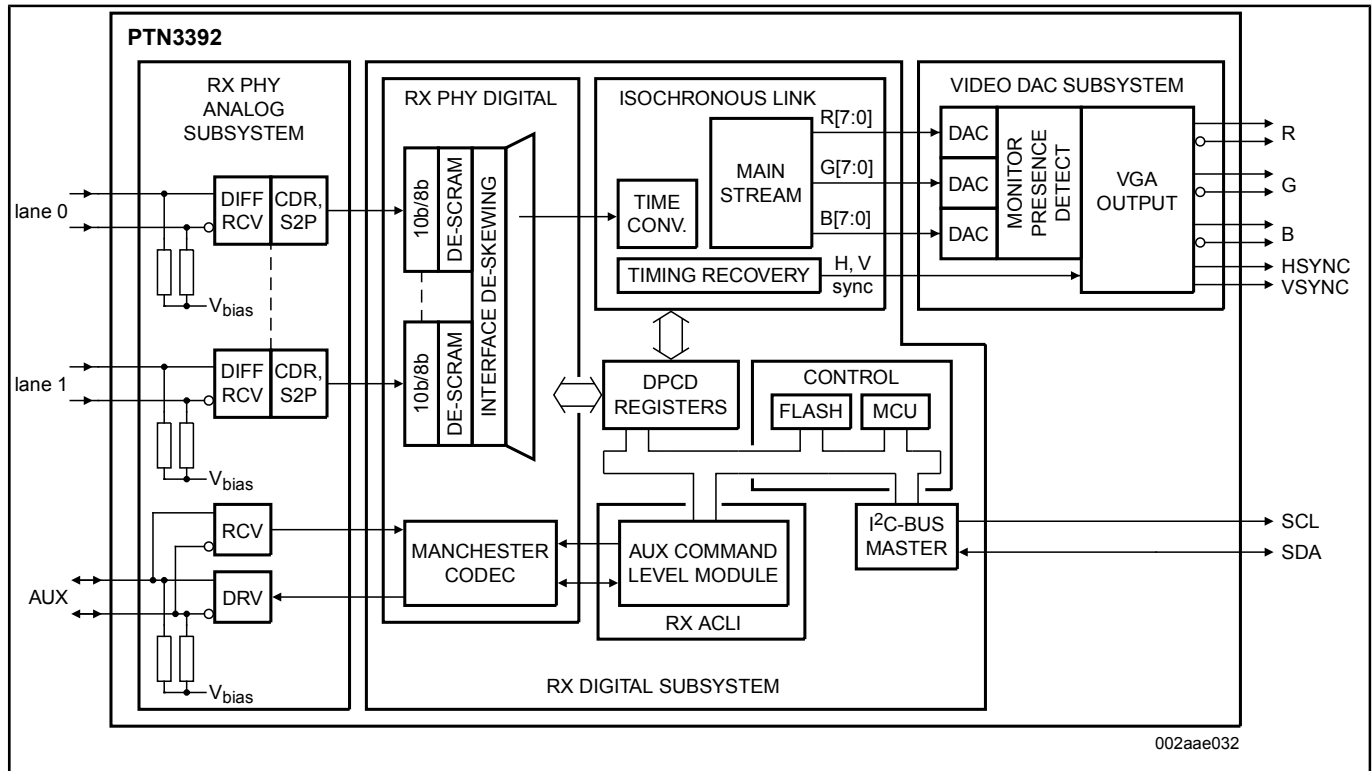
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The PTN3392 is a DisplayPort to VGA adapter IC designed to connect a DisplayPort source to a VGA sink. The PTN3392 integrates a DisplayPort receiver and a high-speed triple video digital-to-analog converter that supports display resolutions from VGA to WUXGA. The PTN3392 supports either one or two DisplayPort v1.1a lanes operating at either 2.7 Gbit/s or 1.62 Gbit/s per lane. The PTN3392 has 'Flash-over-AUX' capability enabling simple firmware upgradability in the field.

The PTN3392 supports I²C-bus over AUX per DisplayPort v1.1a specification, and bridges the VESA DDC channel to the DisplayPort Interface.

The PTN3392 is designed for single supply and minimizes application costs. It can be powered directly from the DisplayPort source side 3.3 V supply without a need for additional core voltage regulator. The VGA output is powered down when there is no valid DisplayPort source data being transmitted. The PTN3392 also aids in monitor detection by performing load sensing and reporting sink connection status to the source.

PTN3392 Block Diagram



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