

Interface IP

MIPI D-PHY Transmitter/Receiver for TSMC 40nm LP

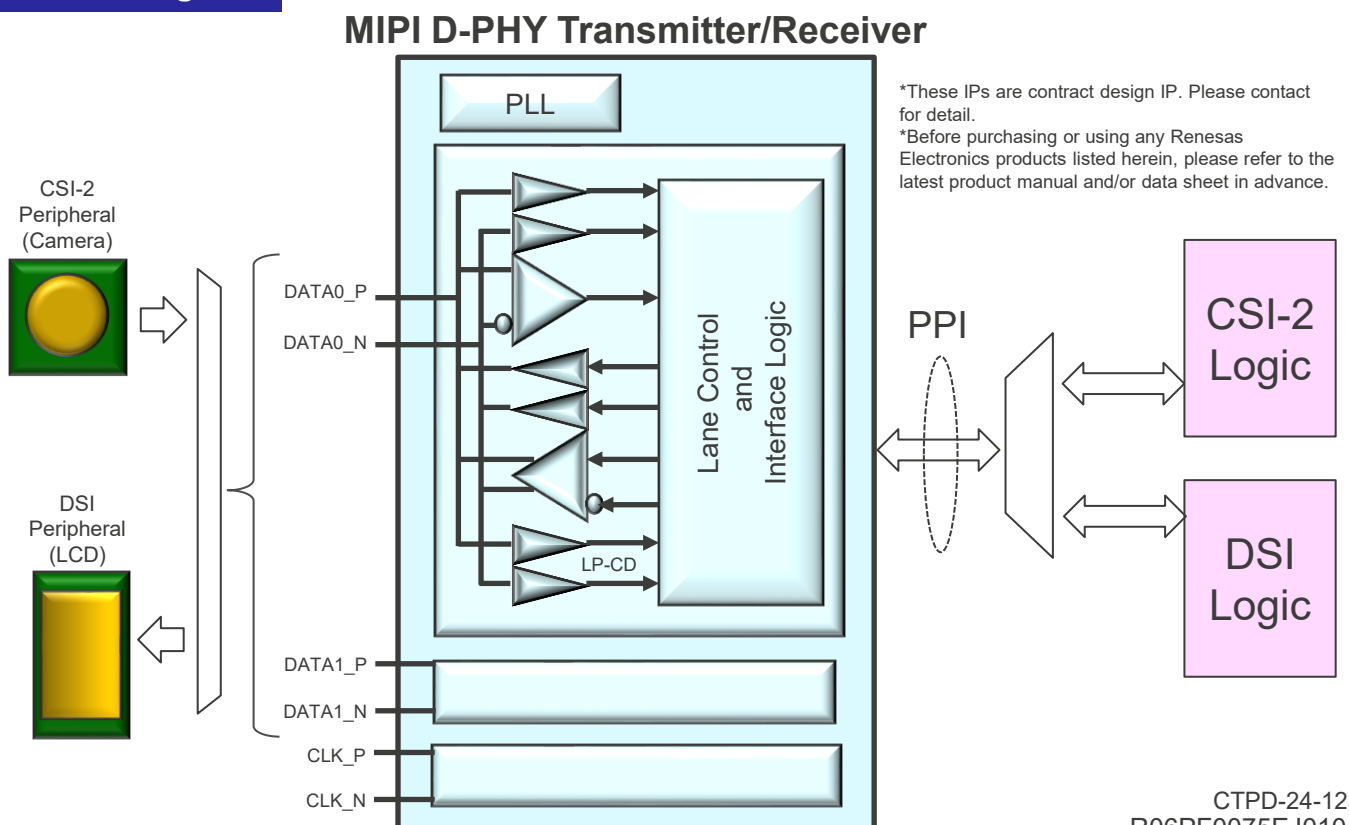
Overview

The Renesas MIPI D-PHYSM Transmitter/Receiver is useful 2 Data Lane transmitter/receiver hard macro for DSISM/CSI-2[®] of TSMC 40nm LP process.

Features

- Renesas MIPI D-PHY Transmitter/Receiver can be used for analog Transmitter/Receiver of following interface .
 - MIPI alliance Specification for D-PHY Version 2.1 15 December 2016.
 - MIPI alliance Specification for Display Serial Interface (DSI) Version 1.3.1 Aug 2015.
 - MIPI alliance Specification for Camera Serial Interface 2 (CSI-2) Version 2.0 7 Dec 2016.
- Technology is TSMC 40nm LP 1p6M.
- Supply voltage can be applied 1.1V for core voltage, 1.8V for IO voltage.
- Maximum data rate of each channel is 0.72Gbps at High-speed mode.

Block Diagram



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