

Introduction

The CL12631IP1000 is an ideal means to link mobile camera modules to baseband processors and baseband processors to LCD panels. The CL12631IP1000 is designed to support data rate in excess of 1Gbps utilizing MIPI-DPHY specification. The differential outputs provide low EMI with its typical low output swing of 200mV.

Feature

- Input Clock Frequency 20MHz-125MHz (max: 250MHz)
- Output Clock Frequency 80MHz-500MHz (max: 1GHz)
 - Both Edge: Output Data Rate 160Mbps-1Gbps (max: 2Gbps)
 - Single Edge: Output Data Rate 80Mbps-500Mbps (max: 1Gbps)
- MIPI Alliance Specification for DPHY v1.00.00 compliant
- Low Power single 1.2V (Option: 1.5 / 1.8 / 2.8 / 3.3V)
- 200mV swing MIPI-DPHY for low EMI
- Maximum Port: Clock 1 port / Data 1-4 port
- PLL / Escape Mode circuit Options (Not include Lane control circuit)

Block Diagram

