

20-output DB2000QL Buffer

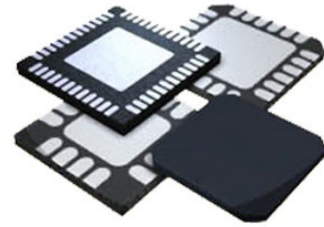
Manufacturers [Microchip Technology, Inc](#)

Package/Case WGQFN

Product Type

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for ZL40294LDF6 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ZL40294 is part of a family of high-performance, ultra-low jitter, low power 1 to 20 HCSL fanout buffers. The ZL40294 is fully compliant to the DB2000QL standard. Applications include PCI Express generation 1/2/3/4/5 clock distribution, Intel QPI Servers, Storage and Data Centers, Switches and Routers

## Features

Fully Compliant with Intel DB2000QL Specification

20 Low-Power Push-Pull HCSL PCIe Outputs

Ultra-low additive jitter: 15fs typical

Supports clock frequencies from 0 to 250MHz

Supports 3.3V power supplies

Embedded Low Drop Out (LDO) Voltage regulator provides superior Power Supply Noise Rejection

Maximum output to output skew of 50ps

SMBus Interface

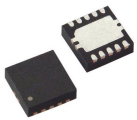
Side-Band Interface (SBI)

Eight OE pins

Embedded series termination resistors for 85Ω differential transmission line

Transparent for Spread Spectrum Clock

## Related Products



### [ZL40272LDG1](#)

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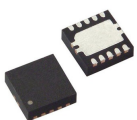
### [ZL40295LDG6](#)

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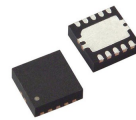
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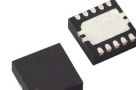
### [ZL40268LDG1](#)

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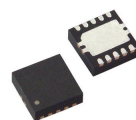
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### [ZL30735LDG1](#)

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