


Clock Fanout Buffer 4-OUT 3-IN 1:4 32-Pin WQFN EP T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	WQFN32
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The LMK00334 device is a 4-output HCSL fanout buffer intended for high-frequency, low-jitter clock, data distribution, and level translation. The input clock can be selected from two universal inputs or one crystal input. The selected input clock is distributed to two banks of 2 HCSL outputs and one LVCMOS output. The LVCMOS output has a synchronous enable input for runt-pulse-free operation when enabled or disabled. The LMK00334 operates from a 3.3-V core supply and 3 independent 3.3-V or 2.5-V output supplies.

The LMK00334 provides high performance, versatility, and power efficiency, making it ideal for replacing fixed-output buffer devices while increasing timing margin in the system.

Key Features

3:1 Input Multiplexer

Two Universal Inputs Operate up to 400 MHz and Accept LVPECL, LVDS, CML, SSTL, HSTL, HCSL, or Single-Ended Clocks

One Crystal Input Accepts a 10- to 40-MHz Crystal or Single-Ended Clock

Two Banks With 2 Differential Outputs Each

HCSL, or Hi-Z (Selectable)

Additive RMS Phase Jitter for PCIe Gen3/Gen4 at 100 MHz:

30 fs RMS (typical)

High PSRR: -72 dBc at 156.25 MHz

Pin-Controlled Configuration

VCC Core Supply: 3.3 V \pm 5%

3 Independent VCCO Output Supplies: 3.3 V/2.5 V \pm 5%

Industrial Temperature Range: -40°C to +85°C

32-Lead WQFN (5 mm \times 5 mm)



Recommended For You

LMC555CM

Texas Instruments, Inc
SOP8

LM555CM

Texas Instruments, Inc
SOP8

LMC555CMX/NOPB

Texas Instruments, Inc
SOP8

LM555CN

Texas Instruments, Inc
DIP8

LM555J/883

Texas Instruments, Inc
CDIP8

LMC555CMMX

Texas Instruments, Inc
MSOP8

LM555CN/NOPB

Texas Instruments, Inc
DIP8

LMC555CMMX/NOPB

Texas Instruments, Inc
VSSOP8

LMK00101SQE/NOPB

Texas Instruments, Inc
WQFN32

LM555H/883

Texas Instruments, Inc
CAN

LMK1C1102DQFR

Texas Instruments, Inc
WSO8-8

LMC555CN

Texas Instruments, Inc
DIP

LMC555IMX/NOPB

Texas Instruments, Inc
SOP8

LMC555CTP

Texas Instruments, Inc
DSBGA

LM556CM/NOPB

Texas Instruments, Inc
SOP14