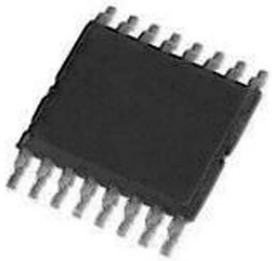
LMK00804BPW

Clock Fanout Buffer 4-OUT 2-IN 1:4 16-Pin TSSOP Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	TSSOP16
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The LMK00804B is a low skew, high performance clock fanout buffer which can distribute up to four LVCMOS/LVTTL outputs (3.3-V, 2.5-V, 1.8-V, or 1.5-V levels) from one of two selectable inputs, which can accept differential or single-ended inputs. The clock enable input is synchronized internally to eliminate runt or glitch pulses on the outputs when the clock enable terminal is asserted or de-asserted. The outputs are held in logic low state when the clock is disabled. A separate output enable terminal controls whether the outputs are active state or high-impedance state. The low additive jitter and phase noise floor, and guaranteed output and part-to-part skew characteristics make the LMK00804B ideal for applications demanding high performance and repeatability. See also Device Comparison Table for descriptions of CDCLVC1310 and LMK00725 parts.

Key Features

Four LVCMOS/LVTTL Outputs with 7 Ω Output

Impedance

Additive Jitter: 0.04 ps RMS (typ) @ 125 MHz

Noise Floor: –166 dBc/Hz (typ) @ 125 MHz

Output Frequency: 350 MHz (max)

Output Skew: 35 ps (max)

Part-to-Part Skew: 700 ps (max)

Two Selectable Inputs

CLK, nCLK Pair Accepts LVPECL, LVDS,

HCSL, SSTL, LVHSTL, or LVCMOS/LVTTL

LVCMOS_CLK Accepts LVCMOS/LVTTL

Synchronous Clock Enable

Core/Output Power Supplies:

3.3 V/3.3 V

3.3 V/2.5 V

3.3 V/1.8 V

3.3 V/1.5 V

Package: 16-Lead TSSOP

Industrial Temperature Range: –40oC to +85oC

Recommended For You

LMK00334RTVR

Texas Instruments, Inc

WQFN32

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

WSON-8

LMC555CN

Texas Instruments, Inc

DIP

LMC555IMX/NOPB

Texas Instruments, Inc

SOP8

LMC555CTP

Texas Instruments, Inc

DSBGA