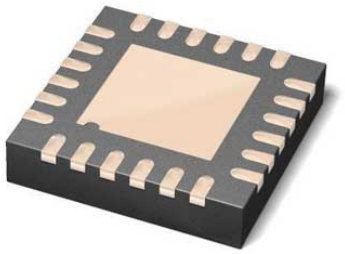
SY89473UMG

Clock Multiplexer 2-OUT 2-IN 1:2 24-Pin VQFN EP Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	QFN-24
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The SY89473U is a 2.5V/3.3V precision, high-speed 2:1 differential MUX capable of processing clocks up to 2.5GHz and data up to 2.5Gbps.The differential input includes Micrel's unique, 3-pin input termination architecture that directly interfaces to any differential signal (AC- or DC-coupled) as small as 100mV (200mVPP) without any level shifting or termination resistor networks in the signal path. The output is 800mV, 100K-compatible, LVPECL with fast rise/fall times guaranteed to be less than 190ps.The SY89473U operates from a 2.5V ±5% or 3.3V ±10% supply and is guaranteed over the full industrial temperature range of -40°C to +85°C. The SY89473U is part of Micrel's high-speed, Precision Edge® product line. For multiple-clock switchover solutions, please refer to the SY89840-SY89843U family.

Key Features

Selects between two input channels and provides two copies of the selected output

Guaranteed AC performance over temperature and supply voltage:

DC to 2.5Gbps data throughput

DC to 2.5GHz fMAX (clock)

Unique patented input isolation design minimizes crosstalk

Ultra-low Jitter Design:

Unique patent-pending input termination and VT pin accepts DC- and AC-coupled inputs (CML, PECL, LVDS)

800mV (100K) LVPECL output swing

2.5V ±5% or 3.3V ±10% supply voltage

Available in 24-pin (4mm x 4mm) QFN package

Recommended For You

SY58017UMG

Microchip Technology, Inc

QFN

SY55855VKG

Microchip Technology, Inc

MSOP10

SY58606UMG

Microchip Technology, Inc

MLF-16

SY58608UMG

Microchip Technology, Inc

QFN16

SY100EL16VZG

Microchip Technology, Inc

SOP8

SY89547LMG

Microchip Technology, Inc

QFN-32

SY100EP15VK4G

Microchip Technology, Inc

TSSOP-16

SY100ELT22ZG

Microchip Technology, Inc

SOP8

SY58020UMG

Microchip Technology, Inc

QFN

SY100ELT22LZG

Microchip Technology, Inc

SOP-8

SY58604UMG-TR

Microchip Technology, Inc

VDFN-8

SY89854UMG

Microchip Technology, Inc

QFN

SY58012UMG

Microchip Technology, Inc

QFN

SY100ELT22LZG-TR

Microchip Technology, Inc

SOP8

SY58011UMG

Microchip Technology, Inc

QFN