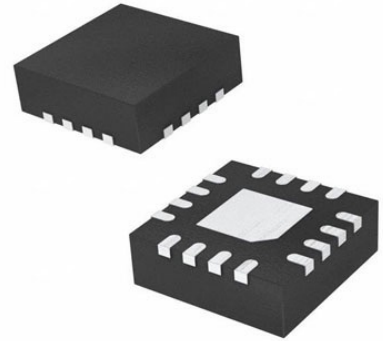


Clock Generators & Support Products VersaClock 6E Standard Part

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	24-VFQFN
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 5P49V6965A000NLGI or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The 5P49V6965 is a member of IDT's VersaClock® 6E programmable clock generator family. The 5P49V6965 is intended for high-performance consumer, networking, industrial, computing, and data-communications applications. The reference clock can come from one of the two redundant clock inputs. A glitchless manual switchover function allows one of the redundant clocks to be selected during normal operation.

Configurations may be stored in on-chip One-Time Programmable (OTP) memory or changed using PC interface.

## Features

< 100mW core power (at 3.3V)

< 0.5ps RMS phase jitter (typical)

PCIe Gen 1/2/3/4/5 spread spectrum off

PCIe Gen 1/2/3/4 spread spectrum on

1/10GbE, USB 3.0

Supports both crystal (8MHz–40MHz) and external clock input(1MHz–350MHz)

4 universal outputs pairs: LVPECL, LVDS, HCSL, or 8 LVCMOS outputs

4 independent frequencies with 0.001MHz–350MHz output range

Reference output

1.8V / 2.5V / 3.3V core and output voltages

2 programmable PC addresses allowing multiple devices to be used in same system.

Up to 4 different configuration sets in OTP non-volatile memory

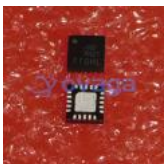
Supported by **IDT Timing Commander™ software tool**

Quick sampling and customization process supported by online-form submission

4 x 4 mm 24-VFQFPN package

-40°C to +85°C operating temperature range

## Related Products



### [5P35021-000NDGI](#)

Renesas Technology Corp  
20-VFQFN



### [5PB1108PGGI](#)

Renesas Technology Corp  
TSSOP-16



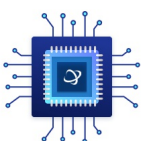
### [5PB1108CMGI](#)

Renesas Technology Corp  
QFN-16



### [5PB1102PGGI](#)

Renesas Technology Corp  
TSSOP-8



### [5P49V6901A000NLGI](#)

Renesas Technology Corp



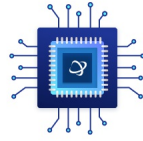
### [5P49V6975A000LTGI](#)

Renesas Technology Corp  
24-LFLGA



[5P35023B-000NLGI](#)

Renesas Technology Corp



[5P49V5925B000NLGI8](#)

Renesas Technology Corp