

IC CLK BUFFER 1:5 100MHZ 20-QSOP; HT SUSA CODE:8542390000



Images are for reference only

Manufacturers	Renesas Technology Corp
Package/Case	QSOP-20
Product Type	Clock & Timer ICs
RoHS	Rohs
Lifecycle	

Please submit RFQ for 49FCT3805QG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The FCT3805 is a 3.3 volt, non-inverting clock driver built using advanced dual metal CMOS technology. The device consists of two banks of drivers, each with a 1:5 fanout and its own output enable control. The device has a "heartbeat" monitor for diagnostics and PLL driving. The MON output is identical to all other outputs and complies with the output specifications in this document. The FCT3805 offers low capacitance inputs with hysteresis. The FCT3805 is designed for high speed clock distribution where signal quality and skew are critical. The FCT3805 also allows single point-to-point transmission line driving in applications such as address distribution, where one signal must be distributed to multiple receivers with low skew and high signal quality. For more information on using the FCT3805 with two different input frequencies on bank A and B, please see AN-236.

Features

0.5 MICRON CMOS Technology

Guaranteed low skew < 500ps (max.)

Very low duty cycle distortion < 1.0ns (max.)

Very low CMOS power levels

TTL compatible inputs and outputs

Inputs can be driven from 3.3V or 5V components

Two independent output banks with 3-state control

1:5 fanout per bank

Available in SSOP, SOIC, and QSOP packages



Related Products



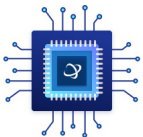
[49FCT3805APYGI](#)

Renesas Technology Corp
20-SSOP (0.209", 5.30mm Width)



[49FCT3805ASOGI](#)

Renesas Technology Corp
20-SOIC (0.295", 7.50mm Width)



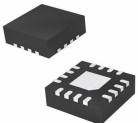
[5P49V6901A000NLGI](#)

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24-LFLGA



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24-VFQFN



[49FCT3805EQGI8](#)

Renesas Technology Corp
20-SSOP (0.209, 5.30mm Width)



[49FCT3805EPYGI8](#)

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20-SSOP (0.209, 5.30mm Width)



[49FCT3805EPYGI](#)

Renesas Technology Corp
20-SSOP (0.209, 5.30mm Width)