
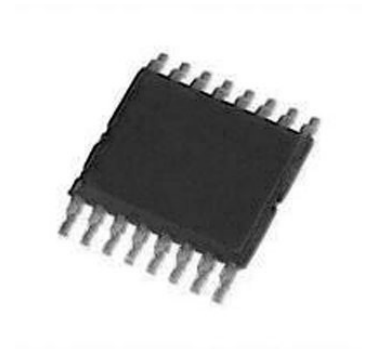


Clock Multiplexer 4-OUT 2-IN 1:4 16-Pin TSSOP Tube

Manufacturer:	Renesas Technology Corp
Package/Case:	TSSOP-16
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The 8305 is a low skew, 1-to-4, Differential/ LVCMOS-to-LVCMOS/LVTTL Fanout Buffer and a member of the family of High Performance Clock Solutions from IDT. The 8305 has selectable clock inputs that accept either differential or single ended input levels. The clock enable is internally synchronized to eliminate runt pulses on the outputs during asynchronous assertion/deassertion of the clock enable pin. Outputs are forced LOW when the clock is disabled. A separate output enable pin controls whether the outputs are in the active or high impedance state. Guaranteed output and part-to-part skew characteristics make the 8305 ideal for those applications demanding well defined performance and repeatability.

Key Features

4 LVCMOS/LVTTL outputs

Selectable differential or LVCMOS/LVTTL clock inputs

CLK, nCLK pair can accept the following differential input levels: LVPECL, LVDS, LVHSTL, HCSL, SSTL

LVCMOS_CLK supports the following input types: LVCMOS, LVTTL

Maximum output frequency: 350MHz

Output skew: 40ps (maximum)

Part-to-part skew: 700ps (maximum)

Additive phase jitter, RMS: 0.04ps (typical)

3.3V core, 3.3V, 2.5V or 1.8V output operating supply

-40°C to 85°C ambient operating temperature

Lead-Free package fully RoHS compliant

Recommended For You

9ZXL0831AKLFT

Renesas Technology Corp
QFN48

9DB833AGILF

Renesas Technology Corp
TSSOP48

9DBV0831AKILF

Renesas Technology Corp
QFN

8S89831AKILF

Renesas Technology Corp
VFQFPN-16

83026BMI-01LF

Renesas Technology Corp
SOP-8

82P33831ABAG

Renesas Technology Corp
BGA

9DB833AGLF

Renesas Technology Corp
TSSOP48

9DBV0831AKLF

Renesas Technology Corp
QFN

9DB833AGLFT

Renesas Technology Corp
TSSOP48

83026BGI-01LFT

Renesas Technology Corp
TSSOP-8

ICM7555CBA

Renesas Technology Corp
SOP-8

8535AGI-31LF

Renesas Technology Corp
TSSOP20

ICM7555CBAZ-T

Renesas Technology Corp
SOP

ICM7555IPAZ

Renesas Technology Corp
DIP8

ISL1208IB8Z-TK

Renesas Technology Corp
SOP8