



## **8V31012NLGI8 Information**

Heisener.com

Part Number 8V31012NLGI8

Manufacturer IDT, Integrated Device Technology Inc

Category Integrated Circuits (ICs)

Clock/Timing - Clock Buffers, Drivers

**Description** IC TIMING

Package 48-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only

E-mail: salesdept@heisener.com



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# **8V31012NLGI8 Specifications**

Manufacturer Part Number8V31012NLGI8ManufacturerIDT, Integrated Device Technology IncCategoryIntegrated Circuits (ICs)Package48-VFQFN Exposed PadSeries-TypeFanout Buffer (Distribution)Number of Circuits1Ratio - Input:Output1:12Differential - Input:OutputYes/YesInputHCSL, LVDS, LVHSTL, LVPECLOutputHCSLFrequency - Max250MHzVoltage - Supply3.135V ~ 3.465VOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case48-VFQFN Exposed PadSupplier Device Package48-VFQFN (7x7)	•	
Category  Integrated Circuits (ICs)  Clock/Timing - Clock Buffers, Drivers  48-VFQFN Exposed Pad  Series  - Type Fanout Buffer (Distribution)  Number of Circuits  1 1:12  Differential - Input:Output 1:12  Differential - Input:Output Yes/Yes  Input HCSL, LVDS, LVHSTL, LVPECL  Output HCSL  Frequency - Max 250MHz  Voltage - Supply 3.135V ~ 3.465V  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case 48-VFQFN Exposed Pad  Supplier Device Package 48-VFQFPN (7x7)	Manufacturer Part Number	8V31012NLGI8
PackageClock/Timing - Clock Buffers, DriversPackage48-VFQFN Exposed PadSeries-TypeFanout Buffer (Distribution)Number of Circuits1Ratio - Input:Output1:12Differential - Input:OutputYes/YesInputHCSL, LVDS, LVHSTL, LVPECLOutputHCSLFrequency - Max250MHzVoltage - Supply3.135V ~ 3.465VOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case48-VFQFN Exposed PadSupplier Device Package48-VFQFPN (7x7)	Manufacturer	IDT, Integrated Device Technology Inc
Package 48-VFQFN Exposed Pad  Series - Type Fanout Buffer (Distribution)  Number of Circuits 1  Ratio - Input:Output 1:12  Differential - Input:Output Yes/Yes  Input HCSL, LVDS, LVHSTL, LVPECL  Output HCSL  Frequency - Max 250MHz  Voltage - Supply 3.135V ~ 3.465V  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case 48-VFQFN Exposed Pad  Supplier Device Package 48-VFQFN (7x7)	Category	Integrated Circuits (ICs)
Series Type Fanout Buffer (Distribution)  Number of Circuits 1 Ratio - Input:Output 1:12  Differential - Input:Output Yes/Yes Input HCSL, LVDS, LVHSTL, LVPECL Output HCSL Frequency - Max 250MHz  Voltage - Supply 3.135V ~ 3.465V Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount Package / Case 48-VFQFN Exposed Pad Supplier Device Package 48-VFQFPN (7x7)		Clock/Timing - Clock Buffers, Drivers
Type Fanout Buffer (Distribution)  Number of Circuits 1  Ratio - Input:Output 1:12  Differential - Input:Output Yes/Yes  Input HCSL, LVDS, LVHSTL, LVPECL  Output HCSL  Frequency - Max 250MHz  Voltage - Supply 3.135V ~ 3.465V  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case 48-VFQFN Exposed Pad  Supplier Device Package 48-VFQFPN (7x7)	Package	48-VFQFN Exposed Pad
Number of Circuits  Ratio - Input:Output  Differential - Input:Output  Yes/Yes  Input  HCSL, LVDS, LVHSTL, LVPECL  Output  HCSL  Frequency - Max  250MHz  Voltage - Supply  3.135V ~ 3.465V  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  48-VFQFN Exposed Pad  Supplier Device Package	Series	-
Ratio - Input:Output  Differential - Input:Output  Yes/Yes  Input  HCSL, LVDS, LVHSTL, LVPECL  Output  HCSL  Frequency - Max  250MHz  Voltage - Supply  3.135V ~ 3.465V  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  48-VFQFN Exposed Pad  Supplier Device Package	Туре	Fanout Buffer (Distribution)
Differential - Input:Output  Input  HCSL, LVDS, LVHSTL, LVPECL  Output  HCSL  Frequency - Max  250MHz  Voltage - Supply  3.135V ~ 3.465V  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  48-VFQFN Exposed Pad  Supplier Device Package  48-VFQFPN (7x7)	Number of Circuits	1
Input HCSL, LVDS, LVHSTL, LVPECL Output HCSL Frequency - Max 250MHz Voltage - Supply 3.135V ~ 3.465V Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 48-VFQFN Exposed Pad Supplier Device Package 48-VFQFPN (7x7)	Ratio - Input:Output	1:12
Output HCSL Frequency - Max 250MHz  Voltage - Supply 3.135V ~ 3.465V  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case 48-VFQFN Exposed Pad  Supplier Device Package 48-VFQFPN (7x7)	Differential - Input:Output	Yes/Yes
Frequency - Max  Voltage - Supply  3.135V ~ 3.465V  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  48-VFQFN Exposed Pad  Supplier Device Package  48-VFQFPN (7x7)	Input	HCSL, LVDS, LVHSTL, LVPECL
Voltage - Supply  3.135V ~ 3.465V  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  48-VFQFN Exposed Pad  Supplier Device Package  48-VFQFPN (7x7)	Output	HCSL
Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  48-VFQFN Exposed Pad  Supplier Device Package  48-VFQFPN (7x7)	Frequency - Max	250MHz
Mounting Type Surface Mount Package / Case 48-VFQFN Exposed Pad Supplier Device Package 48-VFQFPN (7x7)	Voltage - Supply	3.135V ~ 3.465V
Package / Case 48-VFQFN Exposed Pad Supplier Device Package 48-VFQFPN (7x7)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 48-VFQFPN (7x7)	Mounting Type	Surface Mount
	Package / Case	48-VFQFN Exposed Pad
	Supplier Device Package	48-VFQFPN (7x7)
Report errors?		Report errors?

#### **8V31012NLGI8** Guarantees



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### **8V31012NLGI8 Payment Methods**



















### **8V31012NLGI8 Shipping Methods**













If you have any question about 8V31012NLGI8, please do not hesitate to contact us!

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