

# SY89831UMG

Request a Quote

### SY89831UMG Information

	Part Number	SY89831UMG
	Manufacturer	Microchip Technology
ER JUDI	Category	Integrated Circuits (ICs) Clock/Timing - Clock Buffers, Drivers
	Description	IC CLK BUFFER 1:4 2GHZ 16MLF
	Package	16-VFQFN Exposed Pad, 16-MLF?
		For the pricing/inventory/lead time, please contact
		us
For Reference Only		Website: https://www.heisener.com
i si iterenene omiy		E-mail: salesdept@heisener.com



Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



# SY89831UMG Specifications

Manufacturer Part Number       SY 89831UMG         Manufacturer       Microchip Technology         Category       Integrated Circuits (ICs)         Clock/Timing - Clock Buffers, Drivers       Clock/Timing - Clock Buffers, Drivers         Package       16-VFQEN Exposed Pad, 16-MLF?         Series       Precision Edge?         Type       Fanout Buffer (Distribution), Translator         Number of Circuits       1         Ratio - Input:Output       1:4         Differential - Input:Output       Ves/Yes         Input       CML, LVDS, LVPECL         Output       LVPECL         Voltage - Supply       2.375 V ~ 3.6 V         Operating Temperature       4.0°C ~ 85°C         Mounting Type       Surface Mount         Package / Case       16-VFQEN Exposed Pad, 16-MLF?		
CategoryIntegrated Circuits (ICs)CackageClock/Timing - Clock Buffers, DriversPackage16-VFQFN Exposed Pad, 16-MLF?SeriesPrecision Edge?TypeFanout Buffer (Distribution), TranslatorNumber of Circuits1Ratio - Input:Output1:4Differential - Input:OutputYes/YesInputCML, LVDS, LVPECLOutputLVPECLFrequency - Max2GHzVoltage - Supply2.375 V ~ 3.6 VOperating Temperature40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Manufacturer Part Number	SY89831UMG
Indext and the second	Manufacturer	Microchip Technology
Package16-VFQFN Exposed Pad, 16-MLF?SeriesPrecision Edge?TypeFanout Buffer (Distribution), TranslatorNumber of Circuits1Ratio - Input:Output1:4Differential - Input:OutputYes/YesInputCML, LVDS, LVPECLOutputCMLFrequency - Max2GHzVoltage - Supply.375 V ~ 3.6 VOperating TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Category	Integrated Circuits (ICs)
SeriesPrecision Edge?TypeFanout Buffer (Distribution), TranslatorNumber of Circuits1Ratio - Input:Output1:4Differential - Input:OutputYes/YesInputCML, LVDS, LVPECLOutputLVPECLSrequency - Max2GHzVoltage - Supply2.375 V ~ 3.6 VOperating TemperatureSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)		Clock/Timing - Clock Buffers, Drivers
TypeFanout Buffer (Distribution), TranslatorNumber of Circuits1Ratio - Input:Output1:4Differential - Input:OutputYes/YesInputCML, LVDS, LVPECLOutputLVPECLFrequency - Max2GHzVoltage - Supply2.375 V ~ 3.6 VOperating TemperatureSurface MountMounting TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Package	16-VFQFN Exposed Pad, 16-MLF?
Number of Circuits       1         Ratio - Input:Output       1:4         Differential - Input:Output       Yes/Yes         Input       CML, LVDS, LVPECL         Output       LVPECL         Frequency - Max       2GHz         Voltage - Supply       2.375 V ~ 3.6 V         Operating Temperature       40°C ~ 85°C         Mounting Type       Surface Mount         Package / Case       16-VFQFN Exposed Pad, 16-MLF?         Supplier Device Package       16-MLF? (3x3)	Series	Precision Edge?
Ratio - Input:Output1:4Differential - Input:OutputYes/YesInputCML, LVDS, LVPECLOutputLVPECLFrequency - Max2GHzVoltage - Supply2.375 V ~ 3.6 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Туре	Fanout Buffer (Distribution), Translator
Differential - Input:OutputYes/YesInputCML, LVDS, LVPECLOutputLVPECLFrequency - Max2GHzVoltage - Supply2.375 V ~ 3.6 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Number of Circuits	1
InputCML, LVDS, LVPECLOutputLVPECLFrequency - Max2GHzVoltage - Supply2.375 V ~ 3.6 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Ratio - Input:Output	1:4
OutputLVPECLFrequency - Max2GHzVoltage - Supply2.375 V ~ 3.6 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Differential - Input:Output	Yes/Yes
Frequency - Max2GHzVoltage - Supply2.375 V ~ 3.6 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Input	CML, LVDS, LVPECL
Voltage - Supply2.375 V ~ 3.6 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Output	LVPECL
Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Frequency - Max	2GHz
Mounting TypeSurface MountPackage / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Voltage - Supply	2.375 V ~ 3.6 V
Package / Case16-VFQFN Exposed Pad, 16-MLF?Supplier Device Package16-MLF? (3x3)	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 16-MLF? (3x3)	Mounting Type	Surface Mount
	Package / Case	16-VFQFN Exposed Pad, 16-MLF?
Report errors?	Supplier Device Package	16-MLF? (3x3)
•		Report errors?

#### SY89831UMG 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.

#### SY89831UMG Payment Methods



## SY89831UMG Shipping Methods



If you have any question about SY89831UMG, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com