

# **TUSB522PIRGER**

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#### **TUSB522PIRGER Information**

	Part Number	TUSB522PIRGER
For Reference Only	Manufacturer	Texas Instruments
	Category	Integrated Circuits (ICs) Interface - Signal Buffers, Repeaters, Splitters
	Description	TUSB522PIRGER
	Package	24-VFQFN Exposed Pad
		For the pricing/inventory/lead time, please contact
		us
		Website: https://www.heisener.com
		E-mail: salesdept@heisener.com

## **Certified Quality**

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.



# **TUSB522PIRGER Specifications**

Manufacturer Texas Instruments   Integrated Circuits (ICs) Interface - Signal Buffers, Repeaters, Splitters   Package 24-VFQFN Exposed Pad   Series -   Type Buffer, ReDriver   Applications USB   Interface - Signal Buffers, Depaters, Splitters -   Output Differential   Output Sofbys   Data Rate (Max) Sofbys   Signal Conditioning -   Capacitance - Input 1.25pF   Voltage - Supply 3 V ~ 3.6 V   Current - Supply 98mA   Operating Temperature -40°C ~ 85°C   Mounting Type -   Package / Case 24-VFQFN Exposed Pad			
Category Integrated Circuits   Integrated Circuits Integrated Circuits   Package 24-VFQFN Exposed Pad   Series -   Type Buffer, ReDriver   Applications USB   Input Differential   Output Differential   Data Rate (Max) SGbps   Signal Conditioning Input Equalization, Output De-Emphasis   Capacitance - Input 1.25pF   Voltage - Supply 98mA   Operating Temperature -40°C ~85°C   Mounting Type -   Package / Case 24-VFQFN Exposed Pad	Manufacturer Part Number	TUSB522PIRGER	
Interface - Signal Buffers, Repeaters, SplittersPackage24-VFQFN Exposed PadSeries-TypeBuffer, ReDriverApplicationsUSBInputDifferentialOutputDifferentialData Rate (Max)SGbpsNumber of Channels2Delay Time-Signal ConditioningInput Equalization, Output De-EmphasisCapacitance - Input1.25pFVoltage - Supply3 V ~ 3.6 VOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VFQFN Exposed Pad	Manufacturer	Texas Instruments	
Package24-VFQFN Exposed PadSeries-TypeBuffer, ReDriverApplicationsUSBInputDifferentialOutputDifferentialData Rate (Max)SGbpsNumber of Channels2Delay Time-Signal ConditioningInput Equalization, Output De-EmphasisCapacitance - Input3 V ~ 3.6 VVoltage - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Category	Integrated Circuits (ICs)	
Series-TypeBuffer, ReDriverApplicationsUSBInputDifferentialOutputDifferentialData Rate (Max)SGbpsNumber of Channels2Delay Time-Signal ConditioningInput Equalization, Output De-EmphasisCapacitance - Input3 V ~ 3.6 VVoltage - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)		Interface - Signal Buffers, Repeaters, Splitters	
TypeBuffer, ReDriverApplicationsUSBInputDifferentialOutputDifferentialData Rate (Max)SGbpsNumber of Channels2Delay Time-Signal ConditioningInput Equalization, Output De-EmphasisCapacitance - Input3 V ~ 3.6 VVoltage - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Package	24-VFQFN Exposed Pad	
ApplicationsUSBApplicationsDifferentialDutputDifferentialOutputSGbpsData Rate (Max)SGbpsNumber of Channels2Delay Time-Signal ConditioningInput Equalization, Output De-EmphasisCapacitance - Input3 V ~ 3.6 VVoltage - Supply98mAOperating Temperature-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Series	-	
InputDifferentialOutputDifferentialOutputSGbpsData Rate (Max)SGbpsNumber of Channels2Delay Time-Signal ConditioningInput Equalization, Output De-EmphasisCapacitance - Input1.25pFVoltage - Supply3 V ~ 3.6 VCurrent - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Туре	Buffer, ReDriver	
Provide a constraint of the formation of	Applications	USB	
Data Rate (Max)5GbpsNumber of Channels2Delay Time-Signal ConditioningInput Equalization, Output De-EmphasisCapacitance - Input1.25pFVoltage - Supply3 V ~ 3.6 VCurrent - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Input	Differential	
Number of Channels2Delay Time-Signal ConditioningInput Equalization, Output De-EmphasisCapacitance - Input1.25pFVoltage - Supply3 V ~ 3.6 VCurrent - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Output	Differential	
Delay Time-Signal ConditioningInput Equalization, Output De-EmphasisCapacitance - Input1.25pFVoltage - Supply3 V ~ 3.6 VCurrent - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Data Rate (Max)	5Gbps	
Signal ConditioningInput Equalization, Output De-EmphasisCapacitance - Input1.25pFVoltage - Supply3 V ~ 3.6 VCurrent - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Number of Channels	2	
Capacitance - Input1.25pFVoltage - Supply3 V ~ 3.6 VCurrent - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Delay Time	-	
Voltage - Supply3 V ~ 3.6 VCurrent - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Signal Conditioning	Input Equalization, Output De-Emphasis	
Current - Supply98mAOperating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Capacitance - Input	1.25pF	
Operating Temperature-40°C ~ 85°CMounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Voltage - Supply	3 V ~ 3.6 V	
Mounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Current - Supply	98mA	
Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Operating Temperature	-40°C ~ 85°C	
Supplier Device Package 24-VQFN (4x4)	Mounting Type	-	
	Package / Case	24-VFQFN Exposed Pad	
Report errors?	Supplier Device Package	24-VQFN (4x4)	
		Report errors?	

#### **TUSB522PIRGER 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.

### **TUSB522PIRGER Payment Methods**





If you have any question about TUSB522PIRGER, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com