

# ADS7953SRHBR

### **ADS7953SRHBR Information**

NAME OF TAXABLE PARTY		ADS7953SRHBR Texas Instruments Integrated Circuits (ICs) Data Acquisition - Analog to Digital Converters	
	Description	(ADC) IC ADC 12BIT 1MSPS 16CH 32QFN	
For Reference Only	Package	32-VFQFN Exposed Pad For the pricing/inventory/lead time, please contact us	
		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

# **Certified Quality**

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# **ADS7953SRHBR Specifications**

Manufacturer     Texas Instruments       Manufacturer     Texas Instruments       Category     Integrated Circuits (ICs)       Data Acquisition - Analog to Digital Converters (ADC)       Package     32-VFQFN Exposed Pad       Series     microPOWER?       Number of Bits     12       Sampling Rate (Per Second)     1M       Number of Inputs     16       Input Type     Single Ended       Data Interface     SPI       Configuration     MUX-S/H-ADC       Number of A/D Converters     1       Architecture     SAR       Reference Type     External       Voltage - Supply, Analog     2.7 V ~ 5.25 V       Voltage - Supply, Digital     1.7 V ~ 5.25 V       Features     -       Operating Temperature     -       Querting Temperature     -       Package / Case     32-VFQFN Exposed Pad       Supplier Device Package     32-VQFN (5x5)		
CategoryIntegrated Circuits (ICs)Data Acquisition - Analog to Digital Converters (ADC)Package32-VFQFN Exposed PadSeriesmicroPOWER?Number of Bits12Sampling Rate (Per Second)IMNumber of Inputs16Input TypeSingle EndedData InterfaceSPIConfigurationMUX-S/H-ADCNumber of A/D Converters1Number of SypeSaRReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital-Package / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN Exposed PadSupplier Device Package32-VFQFN Exposed PadMounting Type-Supplier Device Package-Supplier Device Package- </td <td>Manufacturer Part Number</td> <td>ADS7953SRHBR</td>	Manufacturer Part Number	ADS7953SRHBR
Data Acquisition - Analog to Digital Converters (ADC)Package32-VFQFN Exposed PadSeriesmicroPOWER?Number of Bits12Sampling Rate (Per Second)1MNumber of Inputs6Input TypeSingle EndedData InterfaceSPIConfigurationMUX-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Manufacturer	Texas Instruments
Package32-VFQFN Exposed PadSeriesmicroPOWER?Number of Bits12Sampling Rate (Per Second)1MNumber of Inputs6Input TypeSingle EndedData InterfaceSPIConfigurationMUX-S/H-ADCNumber of A/D Converters1ArchitectureSARReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Category	Integrated Circuits (ICs)
SeriesmicroPOWER?Number of Bits12Sampling Rate (Per Second)1MNumber of Inputs16Input TypeSingle EndedData InterfaceSPIConfigurationMUX-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeExternalVoltage - Supply, Digital1.7 V ~ 5.25 VVoltage - Supply, DigitalOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package-Mounting Type-		Data Acquisition - Analog to Digital Converters (ADC)
Number of Bits12Sampling Rate (Per Second)1MNumber of Inputs16Input TypeSingle EndedData InterfaceSPIConfigurationMUX-S/H-ADCRatio - S/H:ADC1.1Number of A/D Converters1ArchitectureSARReference TypeExternalVoltag - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VPeatures-Operating Temperature40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Package	32-VFQFN Exposed Pad
Sampling Rate (Per Second)IMNumber of Inputs16Input TypeSingle EndedData InterfaceSPIConfigurationMUX-S/H-ADCRatio - S/H:ADC11Number of A/D Converters1ArchitectureSARReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Series	microPOWER?
Number of Inputs16Input TypeSingle EndedData InterfaceSPIConfigurationMUX-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package-Mounting Type-	Number of Bits	12
Input TypeSingle EndedData InterfaceSPIConfigurationMUX-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital-Peatures-Operating Temperature40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package-Mounting Type-	Sampling Rate (Per Second)	1M
Data InterfaceSPIConfigurationMUX-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package-Mounting Type-	Number of Inputs	16
ConfigurationMUX-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package-Mounting Type-	Input Type	Single Ended
Ratio - S/H:ADC1:1Number of A/D Converters1ArchitectureSARReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package-Mounting Type-	Data Interface	SPI
Number of A/D Converters1ArchitectureSARReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package-Mounting Type-	Configuration	MUX-S/H-ADC
ArchitectureSARReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Ratio - S/H:ADC	1:1
Reference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Number of A/D Converters	1
Voltage - Supply, Analog2.7 V ~ 5.25 VVoltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Architecture	SAR
Voltage - Supply, Digital1.7 V ~ 5.25 VFeatures-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Reference Type	External
Features-Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Voltage - Supply, Analog	2.7 V ~ 5.25 V
Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Voltage - Supply, Digital	1.7 V ~ 5.25 V
Package / Case32-VFQFN Exposed PadSupplier Device Package32-VQFN (5x5)Mounting Type-	Features	-
Supplier Device Package 32-VQFN (5x5)   Mounting Type -	Operating Temperature	$-40^{\circ}C \sim 125^{\circ}C$
Mounting Type -	Package / Case	32-VFQFN Exposed Pad
	Supplier Device Package	32-VQFN (5x5)
Report errors?	Mounting Type	-
		Report errors?

#### **ADS7953SRHBR 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 EUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

# **ADS7953SRHBR Payment Methods**





If you have any question about ADS7953SRHBR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com