

AD9681BBCZRL7-125

AD9681BBCZRL7-125 Information

	 AD9681BBCZRL7-125 Analog Devices Inc. Integrated Circuits (ICs) Data Acquisition - Analog to Digital Converters (ADC) IC ADC 14BIT 65MSPS 144CSBGA 144-LFBGA, CSPBGA	
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AD9681BBCZRL7-125 Specifications

Manufacturer Part Number AD9681BBCZRL7-125 Manufacturer Analog Devices Inc. Category Integrated Circuits (ICS) Data Acquisition - Analog to Digital Converters (ADC) Package 144-LFBGA, CSPBGA Stries - Number of Bits 14 Sampling Rate (Per Second) 125M Differential Samutant Second Dynamic of Inputs 8 Data Input Type Differential Configuration S/H-ADC Number of A/D Converters 4 Architecture Ipelined Number of A/D Converters 4 Architecture Ipelined Number of A/D Converters 4 Architecture Ipelined Number of A/D Converters 4 Architecture Informal You age - Supply, Analog I, Y ~ 1.9 Y Voltag - Supply, Digital I, Y ~ 1.9 Y You age - Case Simultaneous Sampling Operating Temperature 44-LFBGA, CSPBGA Supplic Povice Package 144-CSPBGA (10x10)		
CategoryIntegrated Circuits (ICS)Data Acquisition - Analog to Digital Converters (ADC)Package144-LFBGA, CSPBGASeries-Number of Bits14Sampling Rate (Per Second)125MNumber of Inputs8Input TypeDifferentialData InterfaceLVDS - SerialConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters4ArchitecturePipelinedVoltage - Supply, Analog1.7 \cdot 1.9 \cdot 1.9 \cdot 1.9 \cdot 1.1Voltage - Supply, Digital1.7 \cdot 2.9 \cdot 1.2 \cdot 1.1PeaturesSimultaneous SamplingOperating Temperature-40°C \cdot 85°CPackage / Case144-LSPBGA (10x10)Mounting TypeSupplic Device Package144-CSPBGA (10x10)	Manufacturer Part Number	AD9681BBCZRL7-125
Data Acquisition - Analog to Digital Converters (ADC)Package144-LFBGA, CSPBGASeries-Number of Bits14Sampling Rate (Per Second)125MNumber of Inputs8Input TypeDifferentialData InterfaceLVDS - SerialConfigurationS/H-ADCRatio - S/H: ADC1:1Number of A/D Converters4ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog1.7 V ~ 1.9 VVoltage - Supply, Digital1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, (DS1DG)Supplier Device Package1.4-CSPBGA (IDS1D)Mounting Type-	Manufacturer	Analog Devices Inc.
Package144-LFBGA, CSPBGASeries-Number of Bits14Sampling Rate (Per Second)125MNumber of Inputs8Input TypeDifferentialData InterfaceLVDS - SerialConfigurationS/H-ADCNumber of A/D Converters4ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog1.7 V ~ 1.9 VVoltage - Supply, Digital1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package1.44-CSPBGA (10x10)Mounting Type-	Category	Integrated Circuits (ICs)
Series-Number of Bits14Sampling Rate (Per Second)125MNumber of Inputs8Input TypeDifferentialData InterfaceLVDS - SerialConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters4ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Digital1.7 V ~ 1.9 VYoltage - Supply, Digital1.7 V ~ 1.9 VPeaturesSimultaneous SamplingOperating Temperature440°C ~ 85°CPackage / Case144-LFBGA, (DSPBGASupplier Device Package1.44-LSPBGA (10x10)Mounting Type-		Data Acquisition - Analog to Digital Converters (ADC)
Number of Bits14Sampling Rate (Per Second)125MNumber of Inputs8Input TypeDifferentialData InterfaceLVDS - SerialConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters4ArchitecturePipelinedReference TypeExternal InternalVoltage - Supply, Analog1.7 V ~ 1.9 VVoltage - Supply, Digital-107 ~ 85°COperating Temperature44-LFBGA, (DSPBGASupplier Device Package1.44-CSPBGA (10x10)Nounting Type-	Package	144-LFBGA, CSPBGA
Sampling Rate (Per Second)125MNumber of Inputs8Input TypeDifferentialData InterfaceLVDS - SerialConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters4ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGAMounting Type-	Series	-
Number of Inputs8Input TypeDifferentialData InterfaceLVDS - SerialConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters4ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Digital1.7 V ~ 1.9 VYoltage - Supply, Digital1.7 V ~ 0.9 VFeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package-	Number of Bits	14
Input TypeDifferentialInput TypeDifferentialData InterfaceLVDS - SerialConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters4ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog1.7 V ~ 1.9 VYoltage - Supply, DigitalSimultaneous SamplingOperating Temperature40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package1.44-CSPBGA (10x10)Mounting Type-	Sampling Rate (Per Second)	125M
TargetLVDS - SerialData InterfaceLVDS - SerialConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters4ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog1.7 V ~ 1.9 VVoltage - Supply, Digital1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package144-CSPBGA (10x10)Mounting Type-	Number of Inputs	8
ConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters4ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog1.7 V ~ 1.9 VVoltage - Supply, Digital1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature40°C ~ 85°CPackage / Case144-LFBGA, CSPBGAMounting Type-	Input Type	Differential
Ratio - S/H:ADC1:1Number of A/D Converters4ArchitecturePipelinedArchitectureExternal, InternalKeference TypeExternal, InternalVoltage - Supply, Analog1.7 V ~ 1.9 VVoltage - Supply, Digital1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package144-CSPBGA (10x10)Mounting Type-	Data Interface	LVDS - Serial
Number of A/D Converters4Number of A/D ConvertersPipelinedArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog1.7 V ~ 1.9 VVoltage - Supply, Digital1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package144-CSPBGA (10x10)Mounting Type-	Configuration	S/H-ADC
ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog1.7 V ~ 1.9 VVoltage - Supply, Digital1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package144-CSPBGA (10x10)Mounting Type-	Ratio - S/H:ADC	1:1
Reference TypeExternal, InternalVoltage - Supply, Analog1.7 V ~ 1.9 VVoltage - Supply, Digital1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package144-CSPBGA (10x10)Mounting Type-	Number of A/D Converters	4
Voltage - Supply, Analog1.7 V ~ 1.9 VVoltage - Supply, Digital1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package144-CSPBGA (10x10)Mounting Type-	Architecture	Pipelined
Voltage - Supply, Digital1.7 V ~ 1.9 VFeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package144-CSPBGA (10x10)Mounting Type-	Reference Type	External, Internal
FeaturesSimultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package144-CSPBGA (10x10)Mounting Type-	Voltage - Supply, Analog	1.7 V ~ 1.9 V
Operating Temperature-40°C ~ 85°CPackage / Case144-LFBGA, CSPBGASupplier Device Package144-CSPBGA (10x10)Mounting Type-	Voltage - Supply, Digital	1.7 V ~ 1.9 V
Package / Case144-LFBGA, CSPBGASupplier Device Package144-CSPBGA (10x10)Mounting Type-	Features	Simultaneous Sampling
Supplier Device Package144-CSPBGA (10x10)Mounting Type-	Operating Temperature	-40°C ~ 85°C
Mounting Type -	Package / Case	144-LFBGA, CSPBGA
	Supplier Device Package	144-CSPBGA (10x10)
Report errors?	Mounting Type	-
		Report errors?

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