

ADS5204IPFBRG4Q1

ADS5204IPFBRG4Q1 Information

www.melsoner.com		ADS5204IPFBRG4Q1 Texas Instruments Integrated Circuits (ICs) Data Acquisition - Analog to Digital Converters (ADC)	
	Description Package	IC ADC 10BIT 40MSPS DL LP 48TQFP 48-TQFP	
For Reference Only	-	For the pricing/inventory/lead time, please contact	
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ADS5204IPFBRG4Q1 Specifications

CategoryIntegrated Circuits (ICs)Data Acquisition - Analog to Digital Converters (ADC)Package48-TQFPSeries-Number of Bits10Sampling Rate (Per Second)40MNumber of Inputs2Input TypeDifferential, Single EndedData InterfaceParallelConfiguration9GA-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters2ArchitecturePipelinedReference Type6txrana, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature440°C ~ 85°C		
CategoryIntegrated Circuits (ICs)Data Acquisition - Analog to Digital Converters (ADC)Package48-TQFPSeries-Number of Bits10Sampling Rate (Per Second)40MNumber of Inputs2Input TypeDifferential, Single EndedData InterfaceParallelConfigurationPGA-S/H-ADCNumber of A/D Converters2ArchitecturePielinedNumber of Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital33VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFP (7x7)Mounting Type-Supplier Device Package-Supplier Device	Manufacturer Part Number	ADS5204IPFBRG4Q1
Data Acquisition - Analog to Digital Converters (ADC)Package48-TQFPSeries-Number of Bits10Sampling Rate (Per Second)40MNumber of Inputs2Input TypeDifferential, Single EndedData InterfaceParallelConfigurationPGA-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters2ArchitecturePipleinedReference TypeExternal, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFP (7x7)Mounting Type-	Manufacturer	Texas Instruments
Package48-TQFPSeries-Number of Bits10Sampling Rate (Per Second)40MNumber of Inputs2Input TypeDifferential, Single EndedData InterfaceParallelConfigurationPGA-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters2ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature40°C ~ 85°CPackage / Case48-TQFP (7x7)Mounting Type-	Category	Integrated Circuits (ICs)
Series-Number of Bits10Sampling Rate (Per Second)40MNumber of Inputs2Input TypeDifferential, Single EndedData InterfaceParallelConfigurationPGA-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters2ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFP (7x7)Mounting Type-		Data Acquisition - Analog to Digital Converters (ADC)
Number of Bits10Sampling Rate (Per Second)40MNumber of Inputs2Input TypeDifferential, Single EndedData InterfaceParallelConfigurationPGA-S/H-ADCRatio - S/H: ADC1:1Number of A/D Converters2ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Digital0 V ~ 3.6 VSoupling Temperature-40°C ~ 85°CPackage / Case48-TQFP (Tx7)Nounting Type-Auton Type-	Package	48-TQFP
Sampling Rate (Per Second)40MNumber of Inputs2Input TypeDifferential, Single EndedData InterfaceParallelConfigurationPGA-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters2ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Series	-
Number of Inputs2Input TypeDifferential, Single EndedData InterfaceParallelConfigurationPGA-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters2ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFP (7x7)Mounting Type-	Number of Bits	10
Input TypeDifferential, Single EndedData InterfaceParallelConfigurationPGA-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters2ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Sampling Rate (Per Second)	40M
Data InterfaceParallelData InterfacePGA-S/H-ADCConfigurationPGA-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters2ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFPSupplier Device Package-Mounting Type-	Number of Inputs	2
ConfigurationPGA-S/H-ADCRatio - S/H:ADC1:1Number of A/D Converters2ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Input Type	Differential, Single Ended
Ratio - S/H:ADC1:1Number of A/D Converters2ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFPSupplier Device Package-Mounting Type-	Data Interface	Parallel
Number of A/D Converters2ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Configuration	PGA-S/H-ADC
ArchitecturePipelinedReference TypeExternal, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Ratio - S/H:ADC	1:1
Reference TypeExternal, InternalVoltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Number of A/D Converters	2
Voltage - Supply, Analog0 V ~ 3.6 VVoltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Architecture	Pipelined
Voltage - Supply, Digital3.3VFeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Reference Type	External, Internal
FeaturesPGA, Simultaneous SamplingOperating Temperature-40°C ~ 85°CPackage / Case48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Voltage - Supply, Analog	0 V ~ 3.6 V
Operating Temperature-40°C ~ 85°CPackage / Case48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Voltage - Supply, Digital	3.3V
Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)Mounting Type-	Features	PGA, Simultaneous Sampling
Supplier Device Package48-TQFP (7x7)Mounting Type-	Operating Temperature	$-40^{\circ}\mathrm{C} \sim 85^{\circ}\mathrm{C}$
Mounting Type -	Package / Case	48-TQFP
	Supplier Device Package	48-TQFP (7x7)
Report errors?	Mounting Type	-
		Report errors?

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