

# TLC5510INSG4

### **TLC5510INSG4 Information**

|                    | ufacturer Te<br>gory In | CLC5510INSG4<br>Sexas Instruments<br>ntegrated Circuits (ICs)   |                 |
|--------------------|-------------------------|---|-----------------|
| Desc               | (/<br>cription IC       | Data Acquisition - Analog to Digital Converters<br>ADC)<br>C ADC 8BIT PAR 20M 24SO<br>4-SOIC (0.209", 5.30mm Width) |                 |
| For Reference Only | Fe<br>us<br>W           | or the pricing/inventory/lead time, please contact  | Request a Quote |

# **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.



# **TLC5510INSG4 Specifications**

| ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Data Acquisition - Analog to Digital Converters (ADC)Package24-SOIC (0.209", 5.30mm Width)Series-Number of Bits8Sampling Rate (Per Second)20MNumber of Inputs1Input TypeSingle EndedData InterfaceParallelConfigurationS/H-ADCNumber of A/D Converters1Number of A/D Converters1Reference TypeInternalVoltage - Supply, Digital5VVoltage - Supply, Digital5VPeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package24-SOICMounting Type-Supplier Device Package24-SOICMounting Type-Supplier Device Package24-SOICMounting Type- | _                          |   |  |  |
|---|----------------------------|---|--|--|
| CategoryIntegrated Circuits (ICs)Data Acquisition - Analog to Digital Converters (ADC)Package24-SOIC (0.209", 5.30mm Width)Series-Number of Bits8Sampling Rate (Per Second)20MNumber of Inputs1Input TypeSingle EndedData InterfaceParallelConfigurationS/H-ADCNumber of A/D Converters1ArchitectureFlashReference TypeInternalVoltage - Supply, AnalogSVVoltage - Supply, DigitalSVFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package24-SOICMounting Type-Supplier Device Package24-SOICMounting Type-Supplier Device Package24-SOICMounting Type-                                       | Manufacturer Part Number   | TLC5510INSG4  |  |  |
| Data Acquisition - Analog to Digital Converters (ADC)Package24-SOIC (0.209", 5.30mm Width)Series-Number of Bits8Sampling Rate (Per Second)20MNumber of Inputs1Input TypeSingle EndedData InterfaceParallelConfigurationS/H-ADCRatio - S/H: ADC1.1Number of A/D Converters1ArchitectureFlashReference TypeInternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOI Cu.209", 5.30mm Width)Supplier Device Package-Mounting Type-  | Manufacturer               | Texas Instruments                                     |  |  |
| Package24-SOIC (0.209", 5.30mm Width)Series-Number of Bits8Sampling Rate (Per Second)20MNumber of Inputs1Input TypeSingle EndedData InterfaceParallelConfigurationS/H-ADCRatio - S/H: ADC1.1Number of A/D Converters1Reference TypeInternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package-Mounting Type-   | Category                   | Integrated Circuits (ICs)                             |  |  |
| Series-Number of Bits8Sampling Rate (Per Second)20MNumber of Inputs1Input TypeSingle EndedData InterfaceParallelConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureFlashReference TypeInternalVoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOI (0.209", 5.30mm Width)Supplier Device Package-Mounting Type-   |                            | Data Acquisition - Analog to Digital Converters (ADC) |  |  |
| Number of Bits8Sampling Rate (Per Second)20MNumber of Inputs1Input TypeSingle EndedData InterfaceParallelConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureFlashReference TypeInternalVoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case4-SOIC (0.20°T, 5.30mm Width)Supplier Device Package-Mounting Type-  | Package                    | 24-SOIC (0.209", 5.30mm Width)                        |  |  |
| Sampling Rate (Per Second)20MNumber of Inputs1Input TypeSingle EndedData InterfaceParallelConfigurationS/H-ADCRatio - S/H:ADC1Number of A/D Converters1ArchitectureFlashReference TypeInternalVoltage - Supply, DigitalSVVoltage - Supply, Digital-Package / Case20°C ~ 75°CSupplier Device Package24-SOI ConvertionMounting Type-  | Series                     | -   |  |  |
| Number of Inputs1Input TypeSingle EndedData InterfaceParallelConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureFlashReference TypeInternalVoltage - Supply, Digital5VYoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package-Mounting Type-  | Number of Bits             | 8   |  |  |
| Input TypeSingle EndedData InterfaceParallelConfigurationS/H-ADCRatio - S/H:ADC1.1Number of A/D Converters1ArchitectureFlashReference TypeInternalVoltage - Supply, AnalogSVVoltage - Supply, Digital-Peatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Munting Type-  | Sampling Rate (Per Second) | 20M   |  |  |
| Data InterfaceParallelConfigurationS/H-ADCRatio - S/H:ADC1.1Number of A/D Converters1ArchitectureFlashReference TypeInternalVoltage - Supply, AnalogSVVoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package-Mounting Type-  | Number of Inputs           | 1   |  |  |
| ConfigurationS/H-ADCRatio - S/H:ADC1:1Number of A/D Converters1ArchitectureFashReference TypeInternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VPeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package-Mounting Type-   | Input Type                 | Single Ended  |  |  |
| Ratio - S/H:ADC1:1Number of A/D Converters1ArchitectureFlashReference TypeInternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package-Mounting Type-  | Data Interface             | Parallel  |  |  |
| Number of A/D Converters1ArchitectureFlashReference TypeInternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package-Mounting Type-  | Configuration              | S/H-ADC   |  |  |
| ArchitectureFlashReference TypeInternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package-Mounting Type-   | Ratio - S/H:ADC            | 1:1   |  |  |
| Reference TypeInternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package24-SOMounting Type-  | Number of A/D Converters   | 1   |  |  |
| Voltage - Supply, Analog5VVoltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package24-SOMounting Type-  | Architecture               | Flash   |  |  |
| Voltage - Supply, Digital5VFeatures-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package24-SOMounting Type-  | Reference Type             | Internal  |  |  |
| Features-Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package24-SOMounting Type-   | Voltage - Supply, Analog   | 5V  |  |  |
| Operating Temperature20°C ~ 75°CPackage / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package24-SOMounting Type-  | Voltage - Supply, Digital  | 5V  |  |  |
| Package / Case24-SOIC (0.209", 5.30mm Width)Supplier Device Package24-SOMounting Type-  | Features                   | -   |  |  |
| Supplier Device Package24-SOMounting Type-  | Operating Temperature      | 20°C ~ 75°C   |  |  |
| Mounting Type -   | Package / Case             | 24-SOIC (0.209", 5.30mm Width)                        |  |  |
|   | Supplier Device Package    | 24-SO   |  |  |
| Report errors?  | Mounting Type              | -   |  |  |
|   |                            | Report errors?  |  |  |

#### **TLC5510INSG4 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

#### **Service Guarantees**

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

## **TLC5510INSG4 Payment Methods**





If you have any question about TLC5510INSG4, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com