

### **TLV5636ID Information**



For Reference Only

Part Number TLV5636ID

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC 12 BIT 1US DAC S/O 8-SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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## **TLV5636ID Specifications**

Manufacturer Part Number       TLV5636ID         Manufacturer       Texas Instruments         Category       Integrated Circuits (ICs)         Data Acquisition - Digital to Analog Converters (DAC)         Package       8-SOIC (0.154", 3.90mm Width)         Series       -         Number of Bits       12         Number of D/A Converters       1         Settling Time       7μs         Output Type       Voltage - Buffered         Differential Output       No         Data Interface       SPI         Reference Type       External, Internal         Voltage - Supply, Analog       2.7 V ~ 3.3 V, 5V         Voltage - Supply, Digital       2.7 V ~ 3.3 V, 5V         INL/DNL (LSB)       ±2, ±0.5         Architecture       String DAC         Operating Temperature       -40°C ~ 85°C         Package / Case       8-SOIC (0.154", 3.90mm Width)         Supplier Device Package       8-SOIC		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Number of Bits         12           Number of D/A Converters         1           Settling Time         7μs           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         SPI           Reference Type         External, Internal           Voltage - Supply, Analog         2.7 V ~ 3.3 V, 5V           Voltage - Supply, Digital         2.7 V ~ 3.3 V, 5V           INL/DNL (LSB)         ±2, ±0.5           Architecture         String DAC           Operating Temperature         -40°C ~ 85°C           Package / Case         8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	TLV5636ID
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Package 8-SOIC (0.154", 3.90mm Width)  Series - Number of Bits 12  Number of D/A Converters 1  Settling Time $7\mu s$ Output Type Voltage - Buffered  Differential Output No  Data Interface SPI  Reference Type External, Internal  Voltage - Supply, Analog 2.7 V ~ 3.3 V, 5V  Voltage - Supply, Digital 2.7 V ~ 3.3 V, 5V  INL/DNL (LSB) $\pm 2, \pm 0.5$ Architecture String DAC  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-SOIC (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)
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Number of Bits 12  Number of D/A Converters 1  Settling Time 7 $\mu$ s  Output Type Voltage - Buffered  Differential Output No  Data Interface SPI  Reference Type External, Internal  Voltage - Supply, Analog 2.7 V ~ 3.3 V, 5V  Voltage - Supply, Digital 2.7 V ~ 3.3 V, 5V  INL/DNL (LSB) $\pm 2$ , $\pm 0.5$ Architecture String DAC  Operating Temperature $-40^{\circ}$ C ~ $85^{\circ}$ C  Package / Case 8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
Number of D/A Converters 1 Settling Time 7 $\mu$ s Output Type Voltage - Buffered Differential Output No Data Interface SPI Reference Type External, Internal Voltage - Supply, Analog 2.7 V ~ 3.3 V, 5V Voltage - Supply, Digital 2.7 V ~ 3.3 V, 5V INL/DNL (LSB) $\pm 2$ , $\pm 0.5$ Architecture String DAC Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-SOIC (0.154", 3.90mm Width)	Series	-
Settling Time $7\mu s$ Output Type Voltage - Buffered  Differential Output No Data Interface SPI Reference Type External, Internal  Voltage - Supply, Analog $2.7 \text{ V} \sim 3.3 \text{ V}, 5 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.3 \text{ V}, 5 \text{ V}$ INL/DNL (LSB) $\pm 2, \pm 0.5$ Architecture String DAC Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $8\text{-SOIC }(0.154^{\circ}, 3.90 \text{mm Width})$	Number of Bits	12
Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog $2.7 \text{ V} \sim 3.3 \text{ V}$ , $5\text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.3 \text{ V}$ , $5\text{ V}$ INL/DNL (LSB) $\pm 2, \pm 0.5$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $8\text{-SOIC (0.154", 3.90mm Width)}$	Number of D/A Converters	1
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Settling Time	$7\mu s$
Data InterfaceSPIReference TypeExternal, InternalVoltage - Supply, Analog $2.7 \text{ V} \sim 3.3 \text{ V}$ , $5\text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.3 \text{ V}$ , $5\text{ V}$ INL/DNL (LSB) $\pm 2, \pm 0.5$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $8\text{-SOIC}$ ( $0.154^{\circ}$ , $3.90\text{mm}$ Width)	Output Type	Voltage - Buffered
Reference Type External, Internal Voltage - Supply, Analog $2.7 \text{ V} \sim 3.3 \text{ V}$ , $5\text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.3 \text{ V}$ , $5\text{ V}$ INL/DNL (LSB) $\pm 2, \pm 0.5$ Architecture String DAC Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-SOIC $(0.154^{\circ}, 3.90 \text{mm Width})$	Differential Output	No
Voltage - Supply, Analog 2.7 V $\sim$ 3.3 V, 5V Voltage - Supply, Digital 2.7 V $\sim$ 3.3 V, 5V INL/DNL (LSB) $\pm 2, \pm 0.5$ Architecture String DAC Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-SOIC (0.154", 3.90mm Width)	Data Interface	SPI
Voltage - Supply, Digital 2.7 V $\sim$ 3.3 V, 5V INL/DNL (LSB) $\pm$ 2, $\pm$ 0.5 Architecture String DAC Operating Temperature -40°C $\sim$ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width)	Reference Type	External, Internal
	Voltage - Supply, Analog	2.7 V ~ 3.3 V, 5V
Architecture String DAC  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-SOIC (0.154", 3.90mm Width)	Voltage - Supply, Digital	2.7 V ~ 3.3 V, 5V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-SOIC (0.154", 3.90mm Width)	INL/DNL (LSB)	$\pm 2, \pm 0.5$
Package / Case 8-SOIC (0.154", 3.90mm Width)	Architecture	String DAC
	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 8-SOIC	Package / Case	8-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	8-SOIC
Mounting Type -	Mounting Type	-
Report errors?		Report errors?

### **TLV5636ID 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.

### **TLV5636ID Payment Methods**



















### **TLV5636ID Shipping Methods**













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