

# LTC2637HDE-HMI12#PBF

## LTC2637HDE-HMI12#PBF Information



For Reference Only

Part Number LTC2637HDE-HMI12#PBF

Manufacturer Linear Technology

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC DAC 12BIT I2C OCTAL 14DFN

Package 14-WFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## LTC2637HDE-HMI12#PBF Specifications

Manufacturer Part Number         LTC2637HDE-HMI12#PBF           Manufacturer         Linear Technology           Category         Integrated Circuits (ICs)           Package         14-WFDFN Exposed Pad           Series         -           Number of Bits         12           Number of D/A Converters         8           Settling Time         5µs (Typ)           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         12C           Reference Type         External, Internal           Voltage - Supply, Analog         5V           Voltage - Supply, Digital         5V           INL/DNL (LSB)         ±1, ±1 (Max)           Architecture         -           Operating Temperature         -40°C ~ 125°C           Package / Case         14-WFDFN Exposed Pad           Supplier Device Package         14-DFN (4x3)           Mounting Type         -		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         14-WFDFN Exposed Pad           Series         -           Number of Bits         12           Number of D/A Converters         8           Settling Time         5µs (Typ)           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         12C           Reference Type         External, Internal           Voltage - Supply, Analog         5V           Voltage - Supply, Digital         5V           INL/DNL (LSB)         ±1, ±1 (Max)           Architecture         -           Operating Temperature         -40°C ~ 125°C           Package / Case         14-WFDFN Exposed Pad           Supplier Device Package         14-DFN (4x3)           Mounting Type         -	Manufacturer Part Number	LTC2637HDE-HMI12#PBF
Package       14-WFDFN Exposed Pad         Series       -         Number of Bits       12         Number of D/A Converters       8         Settling Time       5µs (Typ)         Output Type       Voltage - Buffered         Differential Output       No         Data Interface       12C         Reference Type       External, Internal         Voltage - Supply, Analog       5V         Voltage - Supply, Digital       5V         INL/DNL (LSB)       ±1, ±1 (Max)         Architecture       -         Operating Temperature       -40°C ~ 125°C         Package / Case       14-WFDFN Exposed Pad         Supplier Device Package       14-DFN (4x3)         Mounting Type       -	Manufacturer	Linear Technology
Package 14-WFDFN Exposed Pad  Series - Number of Bits 12 Number of D/A Converters 8 Settling Time 5µs (Typ) Output Type Voltage - Buffered Differential Output No Data Interface 12C Reference Type External, Internal Voltage - Supply, Analog 5V Voltage - Supply, Digital 5V INL/DNL (LSB) ±1, ±1 (Max) Architecture - Operating Temperature 4-0°C ~ 125°C Package / Case 14-WFDFN Exposed Pad Supplier Device Package 14-DFN (4x3) Mounting Type -	Category	Integrated Circuits (ICs)
Series-Number of Bits12Number of D/A Converters8Settling Time5μs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData Interface12CReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±1, ±1 (Max)Architecture-Operating Temperature-40°C ~ 125°CPackage / Case14-WFDFN Exposed PadSupplier Device Package14-DFN (4x3)Mounting Type-		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits12Number of D/A Converters8Settling Time5μs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceI2CReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±1, ±1 (Max)Architecture-Operating Temperature-40°C ~ 125°CPackage / Case14-WFDFN Exposed PadSupplier Device Package14-DFN (4x3)Mounting Type-	Package	14-WFDFN Exposed Pad
Number of D/A Converters8Settling Time $5\mu s$ (Typ)Output TypeVoltage - BufferedDifferential OutputNoData InterfaceI2CReference TypeExternal, InternalVoltage - Supply, Analog $5V$ Voltage - Supply, Digital $5V$ INL/DNL (LSB) $\pm 1, \pm 1$ (Max)Architecture-Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $14\text{-WFDFN Exposed Pad}$ Supplier Device Package $14\text{-DFN } (4x3)$ Mounting Type-	Series	-
Settling Time5μs (Typ)Output TypeVoltage - BufferedDifferential OutputNoData Interface12CReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±1, ±1 (Max)Architecture-Operating Temperature-40°C ~ 125°CPackage / Case14-WFDFN Exposed PadSupplier Device Package14-DFN (4x3)Mounting Type-	Number of Bits	12
Output TypeVoltage - BufferedDifferential OutputNoData InterfaceI2CReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±1, ±1 (Max)Architecture-Operating Temperature-40°C ~ 125°CPackage / Case14-WFDFN Exposed PadSupplier Device Package14-DFN (4x3)Mounting Type-	Number of D/A Converters	8
Differential Output  Data Interface  I2C  Reference Type  External, Internal  Voltage - Supply, Analog  Voltage - Supply, Digital  5V  INL/DNL (LSB)  41, ±1 (Max)  Architecture  Operating Temperature  -40°C ~ 125°C  Package / Case  14-WFDFN Exposed Pad  Supplier Device Package  Mounting Type  -  No  External, Internal  5V  Calcalance  5V  Calcalance  5V  Architecture  -40°C ~ 125°C  14-WFDFN Exposed Pad  14-DFN (4x3)  Mounting Type  -  -  -  -  -  -  -  -  -  -  -  -  -	Settling Time	5μs (Typ)
Data Interface I2C  Reference Type External, Internal  Voltage - Supply, Analog 5V  Voltage - Supply, Digital 5V  INL/DNL (LSB) ±1, ±1 (Max)  Architecture - Operating Temperature -40°C ~ 125°C  Package / Case 14-WFDFN Exposed Pad  Supplier Device Package 14-DFN (4x3)  Mounting Type -	Output Type	Voltage - Buffered
Reference Type External, Internal  Voltage - Supply, Analog 5V  Voltage - Supply, Digital 5V  INL/DNL (LSB) ±1, ±1 (Max)  Architecture -40°C ~ 125°C  Package / Case 14-WFDFN Exposed Pad  Supplier Device Package 14-DFN (4x3)  Mounting Type -	Differential Output	No
Voltage - Supply, Analog5VVoltage - Supply, Digital5VINL/DNL (LSB)±1, ±1 (Max)Architecture-Operating Temperature-40°C ~ 125°CPackage / Case14-WFDFN Exposed PadSupplier Device Package14-DFN (4x3)Mounting Type-	Data Interface	12C
Voltage - Supply, Digital5V $INL/DNL$ (LSB) $\pm 1$ , $\pm 1$ (Max)Architecture-Operating Temperature $-40^{\circ}$ C ~ $125^{\circ}$ CPackage / Case $14$ -WFDFN Exposed PadSupplier Device Package $14$ -DFN (4x3)Mounting Type-	Reference Type	External, Internal
INL/DNL (LSB) $\pm 1$ , $\pm 1$ (Max)Architecture-Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $14\text{-WFDFN Exposed Pad}$ Supplier Device Package $14\text{-DFN (4x3)}$ Mounting Type-	Voltage - Supply, Analog	5V
Architecture - Operating Temperature -40°C ~ 125°C Package / Case 14-WFDFN Exposed Pad Supplier Device Package 14-DFN (4x3) Mounting Type -	Voltage - Supply, Digital	5V
Operating Temperature -40°C ~ 125°C  Package / Case 14-WFDFN Exposed Pad  Supplier Device Package 14-DFN (4x3)  Mounting Type -	INL/DNL (LSB)	$\pm 1, \pm 1 \text{ (Max)}$
Package / Case 14-WFDFN Exposed Pad  Supplier Device Package 14-DFN (4x3)  Mounting Type -	Architecture	-
Supplier Device Package 14-DFN (4x3)  Mounting Type -	Operating Temperature	-40°C ~ 125°C
Mounting Type -	Package / Case	14-WFDFN Exposed Pad
	Supplier Device Package	14-DFN (4x3)
Report errors?	Mounting Type	-
		Report errors?

### LTC2637HDE-HMI12#PBF Guarantees



#### **Ouality 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.

## LTC2637HDE-HMI12#PBF Payment Methods



















## LTC2637HDE-HMI12#PBF Shipping Methods













If you have any question about LTC2637HDE-HMI12#PBF, please do not hesitate to contact us!

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