



## **ISD3900FYI Information**



For Reference Only

Part Number ISD3900FYI

Manufacturer Nuvoton Technology Corporation of America

Category Integrated Circuits (ICs)

Interface - Voice Record and Playback

**Description** IC CHIPCORDER AUDIO 48LQFP

Package 48-LQFF

For the pricing/inventory/lead time, please contact

us

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



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# **ISD3900FYI Specifications**

Manufacturer Part NumberISD3900FYIManufacturerNuvoton Technology Corporation of AmericaCategoryIntegrated Circuits (ICs)Interface - Voice Record and PlaybackPackage48-LQFPSeriesChipCorder?InterfaceSPIInput SignalAnalog - Single Ended, I2SOutput SignalAnalog - Single Ended, Bridge Tied Load (BTL), PWM Speaker OutputSampling Frequency4 ~ 32kHzDuration64 MinFilter Pass Band-MessagingMultipleOscillator TypeInternalFeaturesVolume ControlOperating Temperature-40°C ~ 85°C (TA)Voltage - Supply2.7 V ~ 3.6 VMounting TypeSurface MountPackage / Case48-LQFPSupplier Device Package48-LQFP (7x7)			
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Interface - Voice Record and Playback  Package 48-LQFP  Series ChipCorder?  Interface SPI  Input Signal Analog - Single Ended, I2S  Output Signal Analog - Single Ended, Bridge Tied Load (BTL), PWM Speaker Output  Sampling Frequency 4 ~ 32kHz  Duration 64 Min  Filter Pass Band -  Messaging Multiple  Oscillator Type Internal  Features Volume Control  Operating Temperature -40°C ~ 85°C (TA)  Voltage - Supply 2.7 V ~ 3.6 V  Mounting Type Surface Mount  Package / Case 48-LQFP  Supplier Device Package 48-LQFP (7x7)	Manufacturer	Nuvoton Technology Corporation of America	
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Sampling Frequency 4 ~ 32kHz  Duration 64 Min  Filter Pass Band -  Messaging Multiple Oscillator Type Internal  Features Volume Control  Operating Temperature -40°C ~ 85°C (TA)  Voltage - Supply 2.7 V ~ 3.6 V  Mounting Type Surface Mount  Package / Case 48-LQFP  Supplier Device Package 48-LQFP (7x7)	Input Signal	Analog - Single Ended, I2S	
Duration 64 Min  Filter Pass Band  Messaging Multiple Oscillator Type Internal  Features Volume Control Operating Temperature -40°C ~ 85°C (TA)  Voltage - Supply 2.7 V ~ 3.6 V  Mounting Type Surface Mount  Package / Case 48-LQFP  Supplier Device Package 48-LQFP (7x7)	Output Signal	Analog - Single Ended, Bridge Tied Load (BTL), PWM Speaker Output	
Filter Pass Band  Messaging  Multiple  Oscillator Type  Internal  Features  Volume Control  Operating Temperature  -40°C ~ 85°C (TA)  Voltage - Supply  2.7 V ~ 3.6 V  Mounting Type  Surface Mount  Package / Case  48-LQFP  Supplier Device Package  48-LQFP (7x7)	Sampling Frequency	4 ~ 32kHz	
MessagingMultipleOscillator TypeInternalFeaturesVolume ControlOperating Temperature-40°C ~ 85°C (TA)Voltage - Supply2.7 V ~ 3.6 VMounting TypeSurface MountPackage / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Duration	64 Min	
Oscillator Type Internal  Features Volume Control  Operating Temperature -40°C ~ 85°C (TA)  Voltage - Supply 2.7 V ~ 3.6 V  Mounting Type Surface Mount  Package / Case 48-LQFP  Supplier Device Package 48-LQFP (7x7)	Filter Pass Band	-	
Features Volume Control  Operating Temperature -40°C ~ 85°C (TA)  Voltage - Supply 2.7 V ~ 3.6 V  Mounting Type Surface Mount  Package / Case 48-LQFP  Supplier Device Package 48-LQFP (7x7)	Messaging	Multiple	
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$ Voltage - Supply $2.7 \text{ V} \sim 3.6 \text{ V}$ Mounting Type Surface Mount  Package / Case $48\text{-LQFP}$ Supplier Device Package $48\text{-LQFP} (7x7)$	Oscillator Type	Internal	
Voltage - Supply  2.7 V ~ 3.6 V  Mounting Type  Surface Mount  Package / Case  48-LQFP  Supplier Device Package  48-LQFP (7x7)	Features	Volume Control	
Mounting Type Surface Mount  Package / Case 48-LQFP  Supplier Device Package 48-LQFP (7x7)	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	
Package / Case 48-LQFP Supplier Device Package 48-LQFP (7x7)	Voltage - Supply	2.7 V ~ 3.6 V	
Supplier Device Package 48-LQFP (7x7)	Mounting Type	Surface Mount	
	Package / Case	48-LQFP	
Report errors?	Supplier Device Package	48-LQFP (7x7)	
			Report errors?

### **ISD3900FYI 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.

## **ISD3900FYI Payment Methods**

































If you have any question about ISD3900FYI, please do not hesitate to contact us!

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