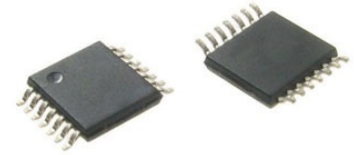


ISL90842UIV1427Z Pb-Free, Low Noise, Low Power I2C Bus, 256 HT SUSA  
CODE:8542390000

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	TSSOP14
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ISL90842UIV1427Z or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ISL90842 integrates four digitally controlled potentiometers (DCP) configured as variable resistors on a monolithic CMOS integrated circuit. The digitally controlled potentiometers are implemented with a combination of resistor elements and CMOS switches. The position of the wipers are controlled by the user through the I2C bus interface. Each potentiometer has an associated Wiper Register (WR) that can be directly written to and read by the user. The contents of the WR controls the position of the wiper. The DCPs can be used as two-terminal variable resistors in a wide variety of applications including control, parameter adjustments, and signal processing.

## Features

Four variable resistors in one package

256 resistor taps - 0.4% resolution

I<sup>2</sup>C serial interface

Wiper resistance: 70Ω typical @ 3.3V

Standby current <5μA max

Power supply: 2.7V to 5.5V

50kΩ, 10kΩ total resistance

14 Lead TSSOP

Pb-free plus anneal available (RoHS compliant)

## Related Products



### [ISL95855HRTZ-T](#)

Renesas Technology Corp  
48pin-TQFN



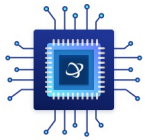
### [ISL99380FRZ-TR5935](#)

Renesas Technology Corp



### [ISL69125IRAZ-T](#)

Renesas Technology Corp  
40-TQFN



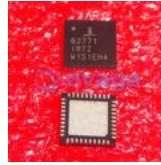
### [ISL32601EFUZ](#)

Renesas Technology Corp



### [ISL69127IRAZ-T](#)

Renesas Technology Corp  
QFN 48



### [ISL62771IIRTZ-T](#)

Renesas Technology Corp  
TQFN-40



### [ISL95855IIRTZ-T](#)

Renesas Technology Corp  
TQFN



### [ISL68137IRAZ](#)

Renesas Technology Corp  
48-QFN