

1-Channel Single ADC Dual Slope 4 1/2Digit LCD 44-Pin MQFP Tray

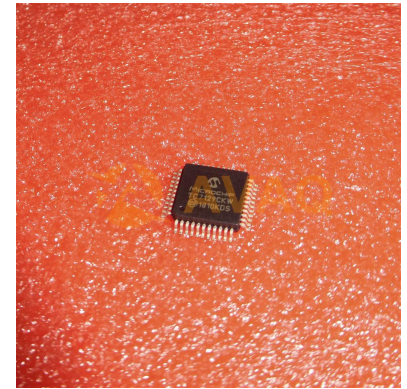
Manufacturer: [Microchip Technology, Inc](#)

Package/Case: MQFP-44

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

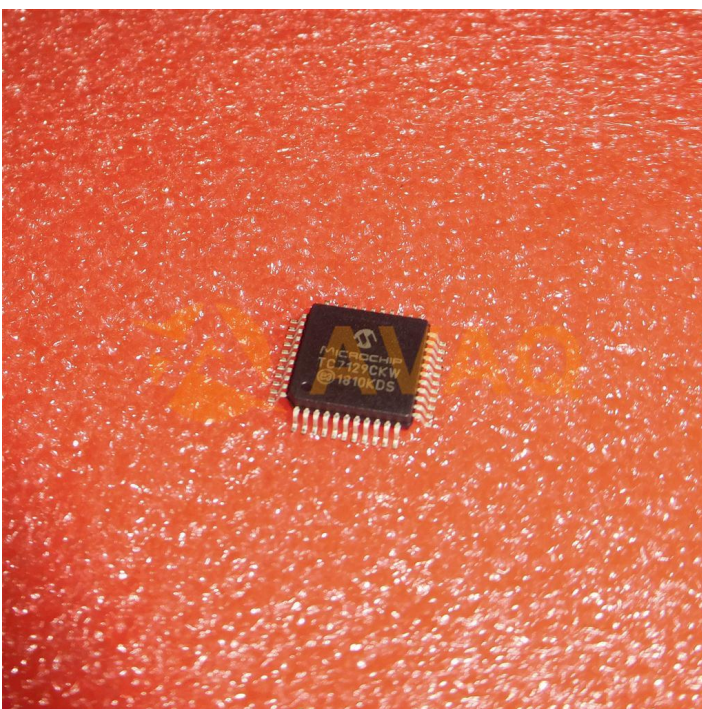


Images are for reference only

[Inquiry](#)

General Description

The TC7129 is a 4-1/2 digit analog-to-digital converter (ADC) that directly drives a multiplexed liquid crystal display (LCD). Fabricated in high-performance, low-power CMOS, the TC7129 ADC is designed specifically for high-resolution, battery-powered digital multimeter applications. The traditional dual-slope method of A/D conversion has been enhanced with a successive integration technique to produce readings accurate to better than 0.005% of full scale, and resolution down to 10 μ V per count. The TC7129 includes features important to multimeter applications. It detects and indicates low-battery condition. A continuity output drives an annunciator on the display, and can be used with an external driver to sound an audible alarm. Overrange and underrange outputs and a range-change input provide the ability to create auto-ranging instruments. For snapshot readings, the TC7129 includes a latch-and-hold input to freeze the present reading. This combination of features makes the TC7129 the ideal choice for full-featured multimeter and digital measurement applications.



Recommended For You

TC7107CPL

Microchip Technology, Inc
DIP-40

TC7107CKW

Microchip Technology, Inc
QFP

TC7107ACPL

Microchip Technology, Inc
DIP40

TC7117CPL

Microchip Technology, Inc
DIP40

TC7116CPL

Microchip Technology, Inc
DIP

TC7106CPL

Microchip Technology, Inc
DIP

TC7126CPL

Microchip Technology, Inc
DIP

TC7117CKW

Microchip Technology, Inc
QFP44

TC7107IPL

Microchip Technology, Inc
PDIP-40

TC14433COG

Microchip Technology, Inc
SOP-24

TC14433ELI

Microchip Technology, Inc
PLCC-28

TC14433AELI

Microchip Technology, Inc
PLCC-28

T0816M-TCQG

Microchip Technology, Inc
SSOP16

TC7117ACPL

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DIP

MM5450YV

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PLCC44