

Complete Data Sheet available via web, Harris' home page: <http://www.semi.harris.com> or via Harris AnswerFAX, see Section 17

August 1997

A/D Converters for 3-Digit Display

## Features

- Dual Slope A/D Conversion
- Multiplexed BCD Display
- Ultra Stable Internal Band Gap Voltage Reference
- Capable of Reading 99mV Below Ground with Single Supply
- Differential Input
- Internal Timing - No External Clock Required
- Choice of Low Speed (4Hz) or High Speed (96Hz) Conversion Rate
- "Hold" Inhibits Conversion but Maintains Delay
- Overrange Indication
  - "EEE" for Reading Greater than +999mV, "-" for Reading More Negative than -99mV When Used With CA3161E
- Extended Temperature Range Version Available

## Ordering Information

PART NUMBER	TEMP. RANGE (°C)	PACKAGE	PKG. NO.
CA3162E	0 to 70	16 Ld PDIP	E16.3
CA3162AE	-40 to 85	16 Ld PDIP	E16.3

## Description

The CA3162E and CA3162AE are  $i^2L$  monolithic A/D converters that provide a 3 digit multiplexed BCD output. They are used with the CA3161E BCD-to-Seven-Segment Decoder/Driver and a minimum of external parts to implement a complete 3-digit display. The CA3162AE is identical to the CA3162E except for an extended operating temperature range.

The CA3161E is described in the Display Drivers section of this data book.

## Pinout

