

Using the A/D in the HT46 MCU Series

D/N : HA0048E

Introduction

This project shows how to use the A/D in the HT46 series of devices.

Driver usage Description

Driver Description

Three drivers are provided. When using the files 46xx_ad.inc and 46xx_example.asm must be placed into the HT-IDE3000 development environment.

It is only necessary to add the following statement into the program: "include 46xx_ad.inc"

Driver Description

- Driver name: AD_conversion_int
 - Implemented functions: will implement an A/D conversion according to the parameters, the completion of the A/D conversion will be flagged by an A/D interrupt
 - Input parameters: ad clock source, ad channel selection
 - Output parameters: adrl, adrh
 - Stack used: 0
- Driver name: AD_conversion_polling
 - Implemented functions: will implement an A/D conversion according to the parameters, the completion of the A/D conversion will be indicated by polling the EOC bit to be "0"
 - Input parameter: ad clock source, ad channel selection
 - Output parameter: adrl, adrh
 - Stack used: 0

