;File: adc41rd.a51

;Author: Eckart Hartmann Date:05/10/2003

; Development progress: Adc841.df

;

;AdcRd==========Read conversion result.

;C Function prototype: int AdcRd(void);

;Description of Function: Reads conversion result of ADC.

;User interface: Call AdcCfg() to configure ADC.

; Call AdcGo() to start a conversion.

; Call AdcBsy to check conversion is complete.

; Call AdcRd().

; Returns result as 16 bit unsigned integer.

;Robustness: No known issues.

;Side effects: Overwrites a, P, c.

;

NAME ADCRD

$NOMOD51

$IC(..kei841.inc) ; Parameter passing registers for Keil .

$IC(..kei841.dat) ; SFR definition for Keil .

;

public AdcRd

?PR?AdcRd?ADCRD SEGMENT CODE

RSEG ?PR?AdcRd?ADCRD

;

AdcRd: mov iP1l,ADCDATAL ;return (ADCDATAH&0xf):ADCDATAL;

mov a,ADCDATAH

anl a,#0fh

mov iP1h,a

ret ; }}

;

;Function End==========================================================Function End

END