;File: urt41bsy.a51

;Author: Eckart Hartmann Date:15/10/2003

;Development progress: Urt834.df

;

;urtbsy==========Configure UART and baudrate.

;C Function prototype: char UrtBsy(void);

;Description of Function: Checks UART busy status.

;User interface: One byte must be allocated in DATA segment for cUrtVar.

; Call UrtBsy.

; Returns 0 if ready.

; Returns with bit 0 set if a byte received.

; Returns with bit 1 set if a byte can be sent.

; Returns with bit 7 set if an error occured.

;Robustness: .

;Side effects: Overwrites a, cy, p and r1.

;

NAME URTBSY

$NOMOD51

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

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

;

extrn DATA (cUrtVar)

public UrtBsy

?PR?UrtBsy?URTBSY SEGMENT CODE

RSEG ?PR?UrtBsy?URTBSY

UrtBsy:

mov a,cUrtVar

anl a,#080h ;Get error flag

mov c,RI ; add RI flag.

mov ACC.0,c

mov c,TI ; add TI flag.

mov ACC.1,c

mov cP1l,a ; and return.

ret

;

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

end

;