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; 80C451 Processor Declarations

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$SAVE

$NOLIST

;

; BYTE Registers

P0 DATA 80H

P1 DATA 90H

P2 DATA 0A0H

P3 DATA 0B0H

PSW DATA 0D0H

ACC DATA 0E0H

B DATA 0F0H

SP DATA 81H

DPL DATA 82H

DPH DATA 83H

PCON DATA 87H

TCON DATA 88H

TMOD DATA 89H

TL0 DATA 8AH

TL1 DATA 8BH

TH0 DATA 8CH

TH1 DATA 8DH

IE DATA 0A8H

IP DATA 0B8H

SCON DATA 98H

SBUF DATA 99H

; 80C451 Extensions

P4 DATA 0C0H

P5 DATA 0C8H

P6 DATA 0D8H

CSR DATA 0E8H

; BIT Register

; PSW

CY BIT 0D7H

AC BIT 0D6H

F0 BIT 0D5H

RS1 BIT 0D4H

RS0 BIT 0D3H

OV BIT 0D2H

P BIT 0D0H

; TCON

TF1 BIT 8FH

TR1 BIT 8EH

TF0 BIT 8DH

TR0 BIT 8CH

IE1 BIT 8BH

IT1 BIT 8AH

IE0 BIT 89H

IT0 BIT 88H

; IE

EA BIT 0AFH

ES BIT 0ACH

ET1 BIT 0ABH

EX1 BIT 0AAH

ET0 BIT 0A9H

EX0 BIT 0A8H

; IP

PS BIT 0BCH

PT1 BIT 0BBH

PX1 BIT 0BAH

PT0 BIT 0B9H

PX0 BIT 0B8H

; P3

RD BIT 0B7H

WR BIT 0B6H

T1 BIT 0B5H

T0 BIT 0B4H

INT1 BIT 0B3H

INT0 BIT 0B2H

TXD BIT 0B1H

RXD BIT 0B0H

; SCON

SM0 BIT 9FH

SM1 BIT 9EH

SM2 BIT 9DH

REN BIT 9CH

TB8 BIT 9BH

RB8 BIT 9AH

TI BIT 99H

RI BIT 98H

; 80C451 Extensions

; CSR

MB1 BIT 0EFH

MB0 BIT 0EEH

MA1 BIT 0EDH

MA0 BIT 0ECH

OBFC BIT 0EBH

IDSM BIT 0EAH

OBF BIT 0E9H

IBF BIT 0E8H

$RESTORE