;-------------------------------------------------------------------

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; Philips 8xC652/654 Processor Declarations

;-------------------------------------------------------------------

$SAVE

$NOLIST

;

; BYTE Registers

P0 DATA 080H

P1 DATA 090H

P2 DATA 0A0H

P3 DATA 0B0H

PSW DATA 0D0H

ACC DATA 0E0H

B DATA 0F0H

SP DATA 081H

DPL DATA 082H

DPH DATA 083H

PCON DATA 087H

TCON DATA 088H

TMOD DATA 089H

TL0 DATA 08AH

TL1 DATA 08BH

TH0 DATA 08CH

TH1 DATA 08DH

IE DATA 0A8H

IP DATA 0B8H

S0CON DATA 098H

S0BUF DATA 099H

S1CON DATA 0D8H

S1STA DATA 0D9H

S1DAT DATA 0DAH

S1ADR DATA 0DBH

;

; BIT Registers

; PSW

CY BIT 0D7H

AC BIT 0D6H

F0 BIT 0D5H

RS1 BIT 0D4H

RS0 BIT 0D3H

OV BIT 0D2H

F1 BIT 0D1H

P BIT 0D0H

;

; TCON

TF1 BIT 08FH

TR1 BIT 08EH

TF0 BIT 08DH

TR0 BIT 08CH

IE1 BIT 08BH

IT1 BIT 08AH

IE0 BIT 089H

IT0 BIT 088H

;

; IE

EA BIT 0AFH

ES1 BIT 0ADH

ES0 BIT 0ACH

ET1 BIT 0ABH

EX1 BIT 0AAH

ET0 BIT 0A9H

EX0 BIT 0A8H

;

; IP

PS1 BIT 0BDH

PS0 BIT 0BCH

PT1 BIT 0BBH

PX1 BIT 0BAH

PT0 BIT 0B9H

PX0 BIT 0B8H

;

; P0

AD7 BIT 087H

AD6 BIT 086H

AD5 BIT 085H

AD4 BIT 084H

AD3 BIT 083H

AD2 BIT 082H

AD1 BIT 081H

AD0 BIT 080H

;

; P1

SDA BIT 097H

SCL BIT 096H

;

; 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

;

; S0CON

SM0 BIT 09FH

SM1 BIT 09EH

SM2 BIT 09DH

REN BIT 09CH

TB8 BIT 09BH

RB8 BIT 09AH

TI BIT 099H

RI BIT 098H

;

; S1CON

CR2 BIT 0DFH

ENS1 BIT 0DEH

STA BIT 0DDH

STO BIT 0DCH

SI BIT 0DBH

AA BIT 0DAH

CR1 BIT 0D9H

CR0 BIT 0D8H

$RESTORE