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; 805C51FA Processor Declarations

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

$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

IPH DATA 0B7H ; 80C51FC only

SCON DATA 98H

SBUF DATA 99H

; 80C51FA Extensions

SADDR DATA 0A9H

SADEN DATA 0B9H

T2CON DATA 0C8H

T2MOD DATA 0C9H

RCAP2L DATA 0CAH

RCAP2H DATA 0CBH

TL2 DATA 0CCH

TH2 DATA 0CDH

CCON DATA 0D8H

CMOD DATA 0D9H

CCAPM0 DATA 0DAH

CCAPM1 DATA 0DBH

CCAPM2 DATA 0DCH

CCAPM3 DATA 0DDH

CCAPM4 DATA 0DEH

CL DATA 0E9H

CCAP0L DATA 0EAH

CCAP1L DATA 0EBH

CCAP2L DATA 0ECH

CCAP3L DATA 0EDH

CCAP4L DATA 0EEH

CH DATA 0F9H

CCAP0H DATA 0FAH

CCAP1H DATA 0FBH

CCAP2H DATA 0FCH

CCAP3H DATA 0FDH

CCAP4H DATA 0FEH

; BIT Registers

; 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

; 80C51FA Extensions

; SCON

FE BIT 9FH

; IE

EC BIT 0AEH

ET2 BIT 0ADH

; IP

PPC BIT 0BEH

PT2 BIT 0BDH

; P1

CEX4 BIT 97H

CEX3 BIT 96H

CEX2 BIT 95H

CEX1 BIT 94H

CEX0 BIT 93H

ECI BIT 92H

T2EX BIT 91H

T2 BIT 90H

; T2CON

TF2 BIT 0CFH

EXF2 BIT 0CEH

RCLK BIT 0CDH

TCLK BIT 0CCH

EXEN2 BIT 0CBH

TR2 BIT 0CAH

C\_T2 BIT 0C9H

CP\_RL2 BIT 0C8H

; CCON

CF BIT 0DFH

CR BIT 0DEH

CCF4 BIT 0DCH

CCF3 BIT 0DBH

CCF2 BIT 0DAH

CCF1 BIT 0D9H

CCF0 BIT 0D8H

$RESTORE