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; 8xCL781 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

IEN0 DATA 0A8H

IEN1 DATA 0E8H

IP0 DATA 0B8H

IP1 DATA 0F8H

IRQ1 DATA 0C0H

IX1 DATA 0E9H

S0CON DATA 098H

S0BUF DATA 099H

S1ADR DATA 0DBH

S1CON DATA 0D8H

S1DAT DATA 0DAH

S1STA DATA 0D9H

T2CON DATA 0C8H

RCAP2L DATA 0CAH

RCAP2H DATA 0CBH

TL2 DATA 0CCH

TH2 DATA 0CDH

; 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 08FH

TR1 BIT 08EH

TF0 BIT 08DH

TR0 BIT 08CH

IE1 BIT 08BH

IT1 BIT 08AH

IE0 BIT 089H

IT0 BIT 088H

; IEN0

EA BIT 0AFH

ET2 BIT 0AEH

ES1 BIT 0ADH

ES0 BIT 0ACH

ET1 BIT 0ABH

EX1 BIT 0AAH

ET0 BIT 0A9H

EX0 BIT 0A8H

; IEN1

EX9 BIT 0EFH

EX8 BIT 0EEH

EX7 BIT 0EDH

EX6 BIT 0ECH

EX5 BIT 0EBH

EX4 BIT 0EAH

EX3 BIT 0E9H

EX2 BIT 0E8H

; IRQ1

IQ9 BIT 0C7H

IQ8 BIT 0C6H

IQ7 BIT 0C5H

IQ6 BIT 0C4H

IQ5 BIT 0C3H

IQ4 BIT 0C2H

IQ3 BIT 0C1H

IQ2 BIT 0C0H

; IP0

PT2 BIT 0BEH

PS1 BIT 0BDH

PS0 BIT 0BCH

PT1 BIT 0BBH

PX1 BIT 0BAH

PT0 BIT 0B9H

PX0 BIT 0B8H

; IP1

PX9 BIT 0FFH

PX8 BIT 0FEH

PX7 BIT 0FDH

PX6 BIT 0FCH

PX5 BIT 0FBH

PX4 BIT 0FAH

PX3 BIT 0F9H

PX2 BIT 0F8H

; P1

INT9 BIT 097H

SDA BIT 097H

INT8 BIT 096H

SCL BIT 096H

INT7 BIT 095H

INT6 BIT 094H

INT5 BIT 093H

INT4 BIT 092H

INT3 BIT 091H

T2EX BIT 091H

INT2 BIT 090H

T2 BIT 090H

; 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

; SCON0

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

ENS1 BIT 0DEH

STA BIT 0DDH

STO BIT 0DCH

SI BIT 0DBH

AA BIT 0DAH

CR1 BIT 0D9H

CR0 BIT 0D8H

; T2CON

TF2 BIT 0CFH

EXF2 BIT 0CEH

GF2 BIT 0CDH

RTCLK BIT 0CCH

EXEN2 BIT 0CBH

TR2 BIT 0CAH

C\_T2 BIT 0C9H

CP\_RL2 BIT 0C8H

$RESTORE