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; 80C152 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

; 80C152 Extensions

P4 DATA 0C0H

P5 DATA 91H

P6 DATA 0A1H

IEN1 DATA 0C8H

TSTAT DATA 0D8H

RSTAT DATA 0E8H

IPN1 DATA 0F8H

GMOD DATA 84H

TFIFO DATA 85H

DCON0 DATA 92H

DCON1 DATA 93H

BAUD DATA 94H

ADR0 DATA 95H

SARL0 DATA 0A2H

SARH0 DATA 0A3H

IFS DATA 0A4H

ADR1 DATA 0A5H

SARL1 DATA 0B2H

SARH1 DATA 0B3H

SLOTTM DATA 0B4H

ADR2 DATA 0B5H

DARL0 DATA 0C2H

DARH0 DATA 0C3H

BKOFF DATA 0C4H

ADR3 DATA 0C5H

DARL1 DATA 0D2H

DARH1 DATA 0D3H

TCDCNT DATA 0D4H

AMSK0 DATA 0D5H

BCRL0 DATA 0E2H

BCRH0 DATA 0E3H

PRBS DATA 0E4H

AMSK1 DATA 0E5H

BCRL1 DATA 0F2H

BCRH1 DATA 0F3H

RFIFO DATA 0F4H

MYSLOT DATA 0F5H

; 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

; 80C152 Extensions

; P1

HLDA BIT 96H

HLD BIT 95H

RXC BIT 94H

TXC BIT 93H

DEN BIT 92H

GTXD BIT 91H

GRXD BIT 90H

; IEN1

EGSTE BIT 0CDH

EDMA1 BIT 0CCH

EGSTV BIT 0CBH

EDMA0 BIT 0CAH

EGSRE BIT 0C9H

EGSRV BIT 0C8H

; TSTAT

LNI BIT 0DFH

NOACK BIT 0DEH

UR BIT 0DDH

TCDT BIT 0DCH

TDN BIT 0DBH

TFNF BIT 0DAH

TEN BIT 0D9H

DMA BIT 0D8H

; RSTAT

OVR BIT 0EFH

RCABT BIT 0EEH

AE BIT 0EDH

CRCE BIT 0ECH

RDN BIT 0EBH

RFNE BIT 0EAH

GREN BIT 0E9H

HABEN BIT 0E8H

; IPN1

PGSTE BIT 0FDH

PDMA1 BIT 0FCH

PGSTV BIT 0FBH

PDMA0 BIT 0FAH

PGSRE BIT 0F9H

PGSRV BIT 0F8H

$RESTORE