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

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; SAB C515C Processor Declarations

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

$SAVE

$NOLIST

; BYTE Register

; CPU

ACC DATA 0E0H

B DATA 0F0H

DPL DATA 82H

DPH DATA 83H

DPSEL DATA 92H

PSW DATA 0D0H

SP DATA 81H

SYSCON DATA 0B1H

; A/D Converter

ADCON0 DATA 0D8H

ADDATH DATA 0D9H

ADDATL DATA 0DAH

ADCON1 DATA 0DCH

; Interrupt System

IEN0 DATA 0A8H

IEN1 DATA 0B8H

IEN2 DATA 9AH

IP0 DATA 0A9H

IP1 DATA 0B9H

IRCON DATA 0C0H

;

; XRAM

XPAGE DATA 91H

;

; Ports

P0 DATA 80H

P1 DATA 90H

P2 DATA 0A0H

P3 DATA 0B0H

P4 DATA 0E8H

P5 DATA 0F8H

DIR5 DATA 0F8H

P6 DATA 0DBH

P7 DATA 0FAH

;

; Serial Channel

SCON DATA 98H

SBUF DATA 99H

SRELL DATA 0AAH

SRELH DATA 0BAH

;

; SSC Interface

SSCCON DATA 93H

STB DATA 94H

SRB DATA 95H

SCF DATA 0ABH

SCIEN DATA 0ACH

SSCMOD DATA 96H

;

; Timer0 / Timer1

TCON DATA 88H

TMOD DATA 89H

TL0 DATA 8AH

TL1 DATA 8BH

TH0 DATA 8CH

TH1 DATA 8DH

;

; CAP/COM Unit / Timer2

CCEN DATA 0C1H

CCL1 DATA 0C2H

CCH1 DATA 0C3H

CCL2 DATA 0C4H

CCH2 DATA 0C5H

CCL3 DATA 0C6H

CCH3 DATA 0C7H

T2CON DATA 0C8H

CRCL DATA 0CAH

CRCH DATA 0CBH

TL2 DATA 0CCH

TH2 DATA 0CDH

;

; Watchdog

WDTREL DATA 86H

;

; Power Save Moders

PCON DATA 87H

PCON1 DATA 88H

;

; BIT Register

; 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 8FH

TR1 BIT 8EH

TF0 BIT 8DH

TR0 BIT 8CH

IE1 BIT 8BH

IT1 BIT 8AH

IE0 BIT 89H

IT0 BIT 88H

;

; IEN0

EA BIT 0AFH

WDT BIT 0AEH

ET2 BIT 0ADH

ES BIT 0ACH

ET1 BIT 0ABH

EX1 BIT 0AAH

ET0 BIT 0A9H

EX0 BIT 0A8H

;

; IEN1

EXEN2 BIT 0BFH

SWDT BIT 0BEH

EX6 BIT 0BDH

EX5 BIT 0BCH

EX4 BIT 0BBH

EX3 BIT 0BAH

EX2 BIT 0B9H

EADC 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

;

; T2CON

T2PS BIT 0CFH

I3FR BIT 0CEH

I2FR BIT 0CDH

T2R1 BIT 0CCH

T2R0 BIT 0CBH

T2CM BIT 0CAH

T2I1 BIT 0C9H

T2I0 BIT 0C8H

;

; ADCON0

BD BIT 0DFH

CLK BIT 0DEH

ADEX BIT 0DDH

BSY BIT 0DCH

ADM BIT 0DBH

MX2 BIT 0DAH

MX1 BIT 0D9H

MX0 BIT 0D8H

;

; IRCON

EXF2 BIT 0C7H

TF2 BIT 0C6H

IEX6 BIT 0C5H

IEX5 BIT 0C4H

IEX4 BIT 0C3H

IEX3 BIT 0C2H

IEX2 BIT 0C1H

IADC BIT 0C0H

;

; P1

T2 BIT 97H

CLKOUT BIT 96H

T2EX BIT 95H

INT2 BIT 94H

INT6 BIT 93H

INT5 BIT 92H

INT4 BIT 91H

INT3 BIT 90H

;

; P4

RXDC BIT 0EFH

TXDC BIT 0EEH

INT8 BIT 0EDH

SLS BIT 0ECH

STO BIT 0EBH

SRI BIT 0EAH

SCLK BIT 0E9H

ADST BIT 0E8H

;

$RESTORE