;\*INC\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

; NAME: at89c5114.inc

; PURPOSE: for KEIL

;\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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; Include file for 8051 SFR Definitions

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; BYTE Register

P0 DATA 80h

P0\_7 BIT 87h

P0\_6 BIT 86h

P0\_5 BIT 85h

P0\_4 BIT 84h

P0\_3 BIT 83h

P0\_2 BIT 82h

P0\_1 BIT 81h

P0\_0 BIT 80h

P2 DATA 0A0h

P2\_3 BIT 0A3h

P2\_2 BIT 0A2h

P2\_1 BIT 0A1h

P2\_0 BIT 0A0h

P3 DATA 0B0h

P3\_7 BIT 0B7h

P3\_6 BIT 0B6h

P3\_5 BIT 0B5h

P3\_4 BIT 0B4h

P3\_3 BIT 0B3h

P3\_2 BIT 0B2h

P3\_1 BIT 0B1h

P3\_0 BIT 0B0h

P3M1 DATA 0D5h

P3M2 DATA 0E4h

P4 DATA 0C0h

P4\_3 BIT 0C3h

P4\_2 BIT 0C2h

P4\_1 BIT 0C1h

P4\_0 BIT 0C0h

P4M1 DATA 0D6h

; P2

RD BIT 0B7h

WR BIT 0B6h

T0 BIT 0B4h

INT0 BIT 0B2h

; P4

INT1 BIT 0C3h

T1 BIT 0C1h

PSW DATA 0D0h

CY BIT 0D7h

AC BIT 0D6h

F0 BIT 0D5h

RS1 BIT 0D4h

RS0 BIT 0D3h

OV BIT 0D2h

UD BIT 0D1h

P BIT 0D0h

ACC DATA 0E0h

B DATA 0F0h

SP DATA 81h

DPL DATA 82h

DPH DATA 83h

PCON DATA 87h

;------------------ TIMERS registers ---------------------

TCON DATA 88h

TF1 BIT 8Fh

TR1 BIT 8Eh

TF0 BIT 8Dh

TR0 BIT 8Ch

IE1 BIT 8Bh

IT1 BIT 8Ah

IE0 BIT 89h

IT0 BIT 88h

TMOD DATA 89h

TL0 DATA 8Ah

TL1 DATA 8Bh

TL2 DATA 0CCh

TH0 DATA 8Ch

TH1 DATA 8Dh

TH2 DATA 0CDh

WDTRST DATA 0A6h

WDTPRG DATA 0A7h

;------------------- ADC registers -------------------------

ADCA DATA 0F7h

ADCF DATA 0F6h

ADCLK DATA 0F2h

ADCON DATA 0F3h

ADDH DATA 0F5h

ADDL DATA 0F4h

;------------------- FLASH EEPROM registers ----------------

FCON DATA 0D1h

AUXR DATA 8Eh

AUXR1 DATA 0A2h

;------------------- IT registers --------------------------

IEN0 DATA 0A8h

IPH0 DATA 0B7h

IPL0 DATA 0B8h

IOR DATA 0A5h

; IE0

EA BIT 0AFh

EADC BIT 0AEh

EW1 BIT 0ADh

EW0 BIT 0ACh

ET1 BIT 0ABh

EX1 BIT 0AAh

ET0 BIT 0A9h

EX0 BIT 0A8h

; IPL0

PADC BIT 0BEh

PW1 BIT 0BDh

PW0 BIT 0BCh

PT1 BIT 0BBh

PX1 BIT 0BAh

PT0 BIT 0B9h

PX0 BIT 0B8h

;--------------------- PCA registers -----------------------------

;--------------------- PWM registers -----------------------------

W0CH DATA 0ECh

W0CL DATA 0EDh

W0CON DATA 0E8h

W0FH DATA 0EAh

W0FL DATA 0EBh

W0IC DATA 0EEh

W0MOD DATA 0E9h

W0R0H DATA 0D9h

W0R0L DATA 0DAh

W0R1H DATA 0DBh

W0R1L DATA 0DCh

W0R2H DATA 0DDh

W0R2L DATA 0DEh

W1CH DATA 0FCh

W1CL DATA 0FDh

W1CON DATA 0F8h

W1FH DATA 0FAh

W1FL DATA 0FBh

W1IC DATA 0FEh

W1R0H DATA 0C9h

W1R0L DATA 0CAh

; W0CON

W0UP BIT 0EFh

W0R BIT 0EEh

W0OS BIT 0EBh

W0EN2 BIT 0EAh

W0EN1 BIT 0E9h

W0EN0 BIT 0E8h

; W1CON

W1UP BIT 0FFh

W1R BIT 0FEh

W1ECLK BIT 0FCh

W1CPS1 BIT 0FBh

W1CPS0 BIT 0FAh

W1INV0 BIT 0F9h

W1EN0 BIT 0F8h

;-------------------- OSC control registers ----------------------

CKCON DATA 8Fh

CKRL DATA 97h

CKSEL DATA 85h

OSCBFA DATA 9Fh

OSCCON DATA 86h