

# Apéndice A

Mnemonic, Operands	Description	Cycles	14-Bit Opcode			Status Affected	Notes
			MSb		LSb		
<b>BYTE-ORIENTED FILE REGISTER OPERATIONS</b>							
ADDWF	f, d	Add W and f	1	00	0111 dfff ffff	C,DC,Z	1,2
ANDWF	f, d	AND W with f	1	00	0101 dfff ffff	Z	1,2
CLRF	f	Clear f	1	00	0001 lfff ffff	Z	2
CLRWF	-	Clear W	1	00	0001 0xxx xxxx	Z	
COMF	f, d	Complement f	1	00	1001 dfff ffff	Z	1,2
DECf	f, d	Decrement f	1	00	0011 dfff ffff	Z	1,2
DECFSZ	f, d	Decrement f, Skip if 0	1(2)	00	1011 dfff ffff		1,2,3
INCF	f, d	Increment f	1	00	1010 dfff ffff	Z	1,2
INCFSSZ	f, d	Increment f, Skip if 0	1(2)	00	1111 dfff ffff		1,2,3
IORWF	f, d	Inclusive OR W with f	1	00	0100 dfff ffff	Z	1,2
MOVF	f, d	Move f	1	00	1000 dfff ffff	Z	1,2
MOVWF	f	Move W to f	1	00	0000 lfff ffff		
NOP	-	No Operation	1	00	0000 0xx0 0000		
RLF	f, d	Rotate Left f through Carry	1	00	1101 dfff ffff	C	1,2
RRF	f, d	Rotate Right f through Carry	1	00	1100 dfff ffff	C	1,2
SUBWF	f, d	Subtract W from f	1	00	0010 dfff ffff	C,DC,Z	1,2
SWAPF	f, d	Swap nibbles in f	1	00	1110 dfff ffff		1,2
XORWF	f, d	Exclusive OR W with f	1	00	0110 dfff ffff	Z	1,2
<b>BIT-ORIENTED FILE REGISTER OPERATIONS</b>							
BCF	f, b	Bit Clear f	1	01	00bb bfff ffff		1,2
BSF	f, b	Bit Set f	1	01	01bb bfff ffff		1,2
BTFSC	f, b	Bit Test f, Skip if Clear	1 (2)	01	10bb bfff ffff		3
BTFSS	f, b	Bit Test f, Skip if Set	1 (2)	01	11bb bfff ffff		3
<b>LITERAL AND CONTROL OPERATIONS</b>							
ADDLW	k	Add Literal and W	1	11	111x kkkk kkkk	C,DC,Z	
ANDLW	k	AND Literal with W	1	11	1001 kkkk kkkk	Z	
CALL	k	Call Subroutine	2	10	0kkk kkkk kkkk		
CLRWDT	-	Clear Watchdog Timer	1	00	0000 0110 0100	$\overline{TO}, \overline{PD}$	
GOTO	k	Go to Address	2	10	1kkk kkkk kkkk		
IORLW	k	Inclusive OR Literal with W	1	11	1000 kkkk kkkk	Z	
MOVLW	k	Move Literal to W	1	11	00xx kkkk kkkk		
RETFIE	-	Return from Interrupt	2	00	0000 0000 1001		
RETLW	k	Return with Literal in W	2	11	01xx kkkk kkkk		
RETURN	-	Return from Subroutine	2	00	0000 0000 1000		
SLEEP	-	Go into Standby mode	1	00	0000 0110 0011	$\overline{TO}, \overline{PD}$	
SUBLW	k	Subtract W from Literal	1	11	110x kkkk kkkk	C,DC,Z	
XORLW	k	Exclusive OR Literal with W	1	11	1010 kkkk kkkk	Z	