

TABLE 3-5: PIC16F1936/1937 MEMORY MAP, BANKS 0-7

BANK 0		BANK 1		BANK 2		BANK 3		BANK 4		BANK 5		BANK 6		BANK 7	
000h	INDF0	080h	INDF0	100h	INDF0	180h	INDF0	200h	INDF0	280h	INDF0	300h	INDF0	380h	INDF0
001h	INDF1	081h	INDF1	101h	INDF1	181h	INDF1	201h	INDF1	281h	INDF1	301h	INDF1	381h	INDF1
002h	PCL	082h	PCL	102h	PCL	182h	PCL	202h	PCL	282h	PCL	302h	PCL	382h	PCL
003h	STATUS	083h	STATUS	103h	STATUS	183h	STATUS	203h	STATUS	283h	STATUS	303h	STATUS	383h	STATUS
004h	FSR0L	084h	FSR0L	104h	FSR0L	184h	FSR0L	204h	FSR0L	284h	FSR0L	304h	FSR0L	384h	FSR0L
005h	FSR0H	085h	FSR0H	105h	FSR0H	185h	FSR0H	205h	FSR0H	285h	FSR0H	305h	FSR0H	385h	FSR0H
006h	FSR1L	086h	FSR1L	106h	FSR1L	186h	FSR1L	206h	FSR1L	286h	FSR1L	306h	FSR1L	386h	FSR1L
007h	FSR1H	087h	FSR1H	107h	FSR1H	187h	FSR1H	207h	FSR1H	287h	FSR1H	307h	FSR1H	387h	FSR1H
008h	BSR	088h	BSR	108h	BSR	188h	BSR	208h	BSR	288h	BSR	308h	BSR	388h	BSR
009h	WREG	089h	WREG	109h	WREG	189h	WREG	209h	WREG	289h	WREG	309h	WREG	389h	WREG
00Ah	PCLATH	08Ah	PCLATH	10Ah	PCLATH	18Ah	PCLATH	20Ah	PCLATH	28Ah	PCLATH	30Ah	PCLATH	38Ah	PCLATH
00Bh	INTCON	08Bh	INTCON	10Bh	INTCON	18Bh	INTCON	20Bh	INTCON	28Bh	INTCON	30Bh	INTCON	38Bh	INTCON
00Ch	PORTA	08Ch	TRISA	10Ch	LATA	18Ch	ANSELA	20Ch	—	28Ch	—	30Ch	—	38Ch	—
00Dh	PORTB	08Dh	TRISB	10Dh	LATB	18Dh	ANSELB	20Dh	WPUB	28Dh	—	30Dh	—	38Dh	—
00Eh	PORTC	08Eh	TRISC	10Eh	LATC	18Eh	—	20Eh	—	28Eh	—	30Eh	—	38Eh	—
00Fh	PORTD ⁽¹⁾	08Fh	TRISD ⁽¹⁾	10Fh	LATD ⁽¹⁾	18Fh	ANSELD ⁽¹⁾	20Fh	—	28Fh	—	30Fh	—	38Fh	—
010h	PORTE	090h	TRISE	110h	LATE ⁽¹⁾	190h	ANSELE ⁽¹⁾	210h	WPUE	290h	—	310h	—	390h	—
011h	PIR1	091h	PIE1	111h	CM1CON0	191h	EEADRL	211h	SSPxBUF	291h	CCPR1L	311h	CCPR3L	391h	—
012h	PIR2	092h	PIE2	112h	CM1CON1	192h	EEADRH	212h	SSPxADD	292h	CCPR1H	312h	CCPR3H	392h	—
013h	PIR3	093h	PIE3	113h	CM2CON0	193h	EEDATL	213h	SSPxMSK	293h	CCP1CON	313h	CCP3CON	393h	—
014h	—	094h	—	114h	CM2CON1	194h	EEDATH	214h	SSPxSTAT	294h	PWM1CON	314h	PWM3CON	394h	IOCBP
015h	TMR0	095h	OPTION	115h	CMOUT	195h	EECON1	215h	SSPxCON1	295h	CCP1AS	315h	CCP3AS	395h	IOCBN
016h	TMR1L	096h	PCON	116h	BORCON	196h	EECON2	216h	SSPxCON2	296h	PSTR1CON	316h	PSTR3CON	396h	IOCBF
017h	TMR1H	097h	WDTCON	117h	FVRCON	197h	—	217h	SSPxCON3	297h	—	317h	—	397h	—
018h	T1CON	098h	OSCTUNE	118h	DACCON0	198h	—	218h	—	298h	CCPR2L	318h	CCPR4L	398h	—
019h	T1GCON	099h	OSCCON	119h	DACCON1	199h	RCREG	219h	—	299h	CCPR2H	319h	CCPR4H	399h	—
01Ah	TMR2	09Ah	OSCSTAT	11Ah	SRCON0	19Ah	TXREG	21Ah	—	29Ah	CCP2CON	31Ah	CCP4CON	39Ah	—
01Bh	PR2	09Bh	ADRESL	11Bh	SRCON1	19Bh	SPBRGL	21Bh	—	29Bh	PWM2CON	31Bh	—	39Bh	—
01Ch	TxCON	09Ch	ADRESH	11Ch	—	19Ch	SPBRGH	21Ch	—	29Ch	CCP2AS	31Ch	CCPR5L	39Ch	—
01Dh	—	09Dh	ADCON0	11Dh	APFCON	19Dh	RCSTA	21Dh	—	29Dh	PSTR2CON	31Dh	CCPR5H	39Dh	—
01Eh	CPSCON0	09Eh	ADCON1	11Eh	—	19Eh	TXSTA	21Eh	—	29Eh	CCPTMRS0	31Eh	CCP5CON	39Eh	—
01Fh	CPSCON1	09Fh	—	11Fh	—	19Fh	BAUDCON	21Fh	—	29Fh	CCPTMRS1	31Fh	—	39Fh	—
020h	General Purpose Register 96 Bytes	0A0h	General Purpose Register 80 Bytes	120h	General Purpose Register 80 Bytes	1A0h	General Purpose Register 80 Bytes	220h	General Purpose Register 80 Bytes	2A0h	General Purpose Register 80 Bytes	320h	General Purpose Register 16 Bytes	3A0h	Unimplemented Read as '0'
06Fh		0EFh		16Fh		1EFh		26Fh		2EFh		32Fh	Unimplemented Read as '0'	3EFh	
070h		0F0h	Accesses 70h – 7Fh	170h	Accesses 70h – 7Fh	1F0h	Accesses 70h – 7Fh	270h	Accesses 70h – 7Fh	2F0h	Accesses 70h – 7Fh	370h	Accesses 70h – 7Fh	3F0h	Accesses 70h – 7Fh
07Fh		0FFh		17Fh		1FFh		27Fh		2FFh		37Fh		3FFh	

Legend: = Unimplemented data memory locations, read as '0'.

Note 1: Not available on PIC16F1933/1936/1938/PIC16LF1933/1936/1938.

TABLE 3-6: PIC16F1936/1937 MEMORY MAP, BANKS 8-15

BANK 8		BANK 9		BANK 10		BANK 11		BANK 12		BANK 13		BANK 14		BANK 15	
400h	INDF0	480h	INDF0	500h	INDF0	580h	INDF0	600h	INDF0	680h	INDF0	700h	INDF0	780h	INDF0
401h	INDF1	481h	INDF1	501h	INDF1	581h	INDF1	601h	INDF1	681h	INDF1	701h	INDF1	781h	INDF1
402h	PCL	482h	PCL	502h	PCL	582h	PCL	602h	PCL	682h	PCL	702h	PCL	782h	PCL
403h	STATUS	483h	STATUS	503h	STATUS	583h	STATUS	603h	STATUS	683h	STATUS	703h	STATUS	783h	STATUS
404h	FSR0L	484h	FSR0L	504h	FSR0L	584h	FSR0L	604h	FSR0L	684h	FSR0L	704h	FSR0L	784h	FSR0L
405h	FSR0H	485h	FSR0H	505h	FSR0H	585h	FSR0H	605h	FSR0H	685h	FSR0H	705h	FSR0H	785h	FSR0H
406h	FSR1L	486h	FSR1L	506h	FSR1L	586h	FSR1L	606h	FSR1L	686h	FSR1L	706h	FSR1L	786h	FSR1L
407h	FSR1H	487h	FSR1H	507h	FSR1H	587h	FSR1H	607h	FSR1H	687h	FSR1H	707h	FSR1H	787h	FSR1H
408h	BSR	488h	BSR	508h	BSR	588h	BSR	608h	BSR	688h	BSR	708h	BSR	788h	BSR
409h	WREG	489h	WREG	509h	WREG	589h	WREG	609h	WREG	689h	WREG	709h	WREG	789h	WREG
40Ah	PCLATH	48Ah	PCLATH	50Ah	PCLATH	58Ah	PCLATH	60Ah	PCLATH	68Ah	PCLATH	70Ah	PCLATH	78Ah	PCLATH
40Bh	INTCON	48Bh	INTCON	50Bh	INTCON	58Bh	INTCON	60Bh	INTCON	68Bh	INTCON	70Bh	INTCON	78Bh	INTCON
40Ch	—	48Ch	—	50Ch	—	58Ch	—	60Ch	—	68Ch	—	70Ch	—	78Ch	—
40Dh	—	48Dh	—	50Dh	—	58Dh	—	60Dh	—	68Dh	—	70Dh	—	78Dh	—
40Eh	—	48Eh	—	50Eh	—	58Eh	—	60Eh	—	68Eh	—	70Eh	—	78Eh	—
40Fh	—	48Fh	—	50Fh	—	58Fh	—	60Fh	—	68Fh	—	70Fh	—	78Fh	—
410h	—	490h	—	510h	—	590h	—	610h	—	690h	—	710h	—	790h	—
411h	—	491h	—	511h	—	591h	—	611h	—	691h	—	711h	—	791h	See Table 3-11 or Table 3-12
412h	—	492h	—	512h	—	592h	—	612h	—	692h	—	712h	—	792h	
413h	—	493h	—	513h	—	593h	—	613h	—	693h	—	713h	—	793h	
414h	—	494h	—	514h	—	594h	—	614h	—	694h	—	714h	—	794h	
415h	TMR4	495h	—	515h	—	595h	—	615h	—	695h	—	715h	—	795h	
416h	PR4	496h	—	516h	—	596h	—	616h	—	696h	—	716h	—	796h	
417h	T4CON	497h	—	517h	—	597h	—	617h	—	697h	—	717h	—	797h	
418h	—	498h	—	518h	—	598h	—	618h	—	698h	—	718h	—	798h	
419h	—	499h	—	519h	—	599h	—	619h	—	699h	—	719h	—	799h	
41Ah	—	49Ah	—	51Ah	—	59Ah	—	61Ah	—	69Ah	—	71Ah	—	79Ah	
41Bh	—	49Bh	—	51Bh	—	59Bh	—	61Bh	—	69Bh	—	71Bh	—	79Bh	
41Ch	TMR6	49Ch	—	51Ch	—	59Ch	—	61Ch	—	69Ch	—	71Ch	—	79Ch	
41Dh	PR6	49Dh	—	51Dh	—	59Dh	—	61Dh	—	69Dh	—	71Dh	—	79Dh	
41Eh	T6CON	49Eh	—	51Eh	—	59Eh	—	61Eh	—	69Eh	—	71Eh	—	79Eh	
41Fh	—	49Fh	—	51Fh	—	59Fh	—	61Fh	—	69Fh	—	71Fh	—	79Fh	
420h	Unimplemented Read as '0'	4A0h	Unimplemented Read as '0'	520h	Unimplemented Read as '0'	5A0h	Unimplemented Read as '0'	620h	Unimplemented Read as '0'	6A0h	Unimplemented Read as '0'	720h	Unimplemented Read as '0'	7A0h	Accesses 70h – 7Fh
46Fh	—	4EFh	—	56Fh	—	5EFh	—	66Fh	—	6EFh	—	76Fh	—	7EFh	
470h	Accesses 70h – 7Fh	4F0h	Accesses 70h – 7Fh	570h	Accesses 70h – 7Fh	5F0h	Accesses 70h – 7Fh	670h	Accesses 70h – 7Fh	6F0h	Accesses 70h – 7Fh	770h	Accesses 70h – 7Fh	7F0h	
47Fh	—	4FFh	—	57Fh	—	5FFh	—	67Fh	—	6FFh	—	77Fh	—	7FFh	Accesses 70h – 7Fh

Legend: = Unimplemented data memory locations, read as '0'.