

ANDLW

< Previous instruction: [ADDWFC](#) | Instruction [index](#) | Next instruction: [ANDWF](#) >

ANDLW	AND literal with W			
Syntax:	[<i>label</i>] ANDLW k			
Operands:	$0 \leq k \leq 255$			
Operation:	(W) .AND. $k \rightarrow W$			
Status Affected:	N,Z			
Encoding:	0000	1011	kkkk	kkkk
Description:	The contents of W are ANDed with the 8-bit literal 'k'. The result is placed in W.			
Words:	1			
Cycles:	1			
Q Cycle Activity:				
	Q1	Q2	Q3	Q4
	Decode	Read literal 'k'	Process Data	Write to W

Example: ANDLW 0x5F

Before Instruction

 W = 0xA3

After Instruction

 W = 0x03

< Previous instruction: [ADDWFC](#) | Instruction [index](#) | Next instruction: [ANDWF](#) >