

# CLRF

< Previous instruction: [CALL](#) | Instruction [index](#) | Next instruction: [CLRWDI](#) >

CLRF	Clear f								
Syntax:	[ <i>label</i> ] CLRF f [,a]								
Operands:	$0 \leq f \leq 255$ $a \in [0,1]$								
Operation:	$000h \rightarrow f$ $1 \rightarrow Z$								
Status Affected:	Z								
Encoding:	<table><tr><td>0110</td><td>101a</td><td>ffff</td><td>ffff</td></tr></table>	0110	101a	ffff	ffff				
0110	101a	ffff	ffff						
Description:	Clears the contents of the specified register. If 'a' is 0, the Access Bank will be selected, overriding the BSR value. If 'a' = 1, then the bank will be selected as per the BSR value (default).								
Words:	1								
Cycles:	1								
Q Cycle Activity:									
	<table><tr><td>Q1</td><td>Q2</td><td>Q3</td><td>Q4</td></tr><tr><td>Decode</td><td>Read register 'f'</td><td>Process Data</td><td>Write register 'f'</td></tr></table>	Q1	Q2	Q3	Q4	Decode	Read register 'f'	Process Data	Write register 'f'
Q1	Q2	Q3	Q4						
Decode	Read register 'f'	Process Data	Write register 'f'						

Example:                    CLRF                    FLAG\_REG, 1

Before Instruction

FLAG\_REG = 0x5A

After Instruction

FLAG\_REG = 0x00

< Previous instruction: [CALL](#) | Instruction [index](#) | Next instruction: [CLRWDI](#) >