

# NEGF

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NEGF	Negate f				
Syntax:	[ <i>label</i> ]   NEGf   f [,a]				
Operands:	$0 \leq f \leq 255$ $a \in [0,1]$				
Operation:	$(\overline{f}) + 1 \rightarrow f$				
Status Affected:	N, OV, C, DC, Z				
Encoding:	<table><tr><td>0110</td><td>110a</td><td>ffff</td><td>ffff</td></tr></table>	0110	110a	ffff	ffff
0110	110a	ffff	ffff		
Description:	Location 'f' is negated using two's complement. The result is placed in the data memory location 'f'. 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.				
Words:	1				
Cycles:	1				
Q Cycle Activity:					

Q1	Q2	Q3	Q4
Decode	Read register 'f'	Process Data	Write register 'f'

Example:                    NEGf    REG, 1

Before Instruction

REG     =    0011 1010 [0x3A]

After Instruction

REG     =    1100 0110 [0xC6]

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