SWAPF

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SWAPF	Swap f
Syntax:	[*label*] SWAPF f [,d [,a]
Operands:	$0 \le f \le 255$ $d \in [0,1]$ $a \in [0,1]$
Operation:	$(f<3:0>) \rightarrow$ dest$<7:4>$, $(f<7:4>) \rightarrow$ dest$<3:0>$
Status Affected:	None
Encoding:	0011 | 10da | ffff | ffff
Description:	The upper and lower nibbles of register 'f' are exchanged. If 'd' is 0, the result is placed in W. If 'd' is 1, the result is placed in register 'f' (default). If 'a' is 0, the Access Bank will be selected, overriding the BSR value. If 'a' is 1, then the bank will be selected as per the BSR value (default).
Words:	1
Cycles:	1

Q Cycle Activity:

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

Example: SWAPF   REG, 1, 0

Before Instruction
    REG   =   0x53
After Instruction
    REG   =   0x35

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