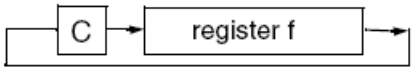
RRCF

RRCF	Rotate Right f through Carry
Syntax:	[*label*] RRCF f [,d [,a]
Operands:	0 ≤ f ≤ 255 d ∈ [0,1] a ∈ [0,1]
Operation:	(f<n>) → dest<n-1>, (f<0>) → C, (C) → dest<7>
Status Affected:	C, N, Z
Encoding:	0011 00da ffff ffff
Description:	The contents of register 'f' are rotated one bit to the right through the Carry Flag. If 'd' is 0, the result is placed in W. If 'd' is 1, the result is placed back 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:

```
RRCF    REG, 0, 0
```

Before Instruction

```
REG  =  1110 0110
C    =  0
```

After Instruction

```
REG  =  1110 0110
W    =  0111 0011
C    =  0
```