## RPT #8bit/loc16

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Repeat Next Instruction

SYNTAX OPTIONS			OPCODE	OBJMODE	RPT	CYC
RPT #8bit			1111 0110 CCCC CCCC	Х	-	1
RPT loc16			1111 0111 LLLL LLLL	Х	-	4
Operands	#8bit loc16	8-bit constant immediate value (0 to 255 range) Addressing mode (see Chapter 5)				
Description		Repeat the next instruction. An internal repeat counter (RPTC) is loaded with a value N that is either the specified #8bit constant value or the content of the location pointed to by the "loc16" addressing mode. After the instruction that follows the RPT is executed once, it is repeated N times; that is, the instruction following the RPT executes N + 1 times. Because the RPTC cannot be saved during a context switch, repeat loops are regarded as multicycle instructions and are not interruptible.				
		Note on syntax:				
		Parallel bars (  ) before the repeated instruction are used as a reminder that the instruction is repeated and is not interruptable.				
		When writing inline assembly, use the syntax				
		<pre>asm(   RPT #8bt/ loc16    instruction");</pre>				
		Not all instructions are repeatable. If an instruction that is not repeatable follows the RPT instruction, the RPTC counter is reset to 0 and the instruction only executes once. The 28x Assembly Language tools check for this condition and issue warnings.				
Flags and None Modes						
Repeat		This instruction is not repeatable. If this instruction follows the F instruction, it resets the repeat counter (RPTC) and executes only onc				
Example	; to ; int ; int ; for ; Arr MOV RPT					

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