## **Instruction Encodings**

		М			ZP								R				I				J			
type		00			01							10				11				11				
S		0 1		0				1				-				-				-				
fn		00	00 An		00	01	10	11	00	01	10	11	00	01	10	11	00	01	10	11	00	01	10	11
ор	000	pfx		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	sr1	rr1	sr4	rr4	(1)	(1)	(1)	(1)	-	-	-	-	
	001	hlt	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	sl1	rl1	sl4	rl4	(1)	(1)	(1)	(1)	-	-	-	-
	010	-	стр	(1)	стр	-	срс	-	(1)	-	(1)	-	стр	-	срс	-	стр	-	срс	-	-	-	-	-
	011	lp	mov	mov	mov	set	sef	sel	j	-	-	-												
	100	-	add	add	add	dad	adc	dac	b+	-	-	-												
	101	-	sub	sub	sub	rsb	sbc	dsc	b-	-	-	-												
	110	-	and	and	and	or	xor	mvl	-	-	-	jl												
	111	-	adt	adt	adt	adf	sbt	sbf	bt+	bf+	bt-	bf-												
fn:	3 bit opcode for the instruction type 2 bit function code, for M-Type instructions this is an address register 1 bit field indicating that the instruction is a memory store																							

(1) Instruction slot not available, will cause undocumented behaviour.

(\*) M-Type instructions with op=000 or fn=00 have special meanings.

(\*) J-Type instructions are regular I-Type instructions that change their name when used with the PC as

the destination register.