

Instruction	Opcode 1	Opcode 2	EX_1X	REFETCH	MS BYTE	LS BYTE	WORKING
NOP	0000_0000_00				00----00	00000000	x
	0001_0000_00			x	00----00	01000000	x
	0010_0000_00			x	00----00	10000000	x
	0011_0000_00			x	00----00	11000000	x
ENROM1	0100_0000_00			x	00----01	00000000	
ENROM3	0101_0000_00			x	00----01	01000000	
ENROM2	0110_0000_00			x	00----01	10000000	
ENROM4	0111_0000_00			x	00----01	11000000	
	1000_0000_00			x	00----10	00000000	x
	1001_0000_00			x	00----10	01000000	x
	1010_0000_00			x	00----10	10000000	x
	1011_0000_00			x	00----10	11000000	x
	1100_0000_00			x	00----11	00000000	x
	1101_0000_00			x	00----11	01000000	x
	1110_0000_00			x	00----11	10000000	x
	1111_0000_00			x	00----11	11000000	x
SD=0	dddd_0001_00				00----dd	dd000100	x
	0111_0001_00			x	00----01	11000100	x
CLR ST	1111_0001_00				00----11	11000100	x
SD=1	dddd_0010_00				00----dd	dd001000	x
	0111_0010_00			x	00----01	11001000	x
RST KB	1111_0010_00		x		00----11	11001000	
?SD=1	dddd_0011_00				00----dd	dd001100	x
	0111_0011_00			x	00----01	11001100	x
CHK KB	1111_0011_00		x		00----11	11001100	
LC	mnnn_0100_00				00----nn	nn010000	x
?PT=D	dddd_0101_00				00----dd	dd010100	x
	0111_0101_00			x	00----01	11010100	x
DEC PT	1111_0101_00				00----11	11010100	x
	0000_0110_00			x	00----00	00011000	x
G=C	0001_0110_00				00----00	01011000	x
C=G	0010_0110_00				00----00	10011000	x
CG EX	0011_0110_00				00----00	11011000	x
	0100_0110_00			x	00----01	00011000	x
M=C	0101_0110_00				00----01	01011000	x
C=M	0110_0110_00				00----01	10011000	x
CM EX	0111_0110_00				00----01	11011000	x
	1000_0110_00			x	00----10	00011000	x
F=SB	1001_0110_00		x		00----10	01011000	x
SB=F	1010_0110_00		x		00----10	10011000	x
FEFSB	1011_0110_00		x		00----10	11011000	x
	1100_0110_00			x	00----11	00011000	x
ST=C	1101_0110_00				00----11	01011000	x
C=ST	1110_0110_00				00----11	10011000	x
CST EX	1111_0110_00				00----11	11011000	x
PT=D	dddd_0111_00				00----dd	dd011100	x
	0111_0111_00			x	00----01	11011100	x
INC PT	1111_0111_00				00----11	11011100	x
SPOPND	0000_1000_00				00----00	00100000	x
POWOFF	0001_1000_00			x	00----00	01100000	
SEL P	0010_1000_00				00----00	10100000	x
SEL Q	0011_1000_00				00----00	11100000	x

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?P=Q	0100_1000_00				00----01	00100000	x
LLD	0101_1000_00			x	00----01	01100000	
CLRABC	0110_1000_00				00----01	10100000	x
GOTOC	0111_1000_00				00----01	11100000	x
C=KEYS	1000_1000_00		x		00----10	00100000	
SETHX	1001_1000_00				00----10	01100000	x
SETDEC	1010_1000_00				00----10	10100000	x
DISOFF	1011_1000_00			x	00----10	11100000	x
DISTOG	1100_1000_00			x	00----11	00100000	x
RTN C	1101_1000_00				00----11	01100000	x
RTN NC	1110_1000_00				00----11	10100000	x
RTN	1111_1000_00				00----11	11100000	x
SELPRFN	nnnn_1001_00			x	00----nn	nn100100	x
REG N=C	nnnn_1010_00			x	00----nn	nn101000	x
?FN=1	nnnn_1011_00			x	00----nn	nn101100	
	0111_1011_00			x	00----01	11101100	x
	1111_1011_00			x	00----11	11101100	x
	0000_1100_00			x	00----00	00110000	x
N=C	0001_1100_00				00----00	01110000	x
C=N	0010_1100_00				00----00	10110000	x
CN EX	0011_1100_00				00----00	11110000	x
LDI	0100_1100_00	constant			00----01	00110000	x
STK=C	0101_1100_00				00----01	01110000	x
C=STK	0110_1100_00				00----01	10110000	x
	0111_1100_00			x	00----01	11110000	x
GOKEYS	1000_1100_00		x		00----10	00110000	
DADD=C	1001_1100_00			x	00----10	01110000	x
CLR DATA	1010_1100_00			x	00----10	10110000	x
DATA=C	1011_1100_00			x	00----10	11110000	x
CXISA	1100_1100_00				00----11	00110000	x
C=C A	1101_1100_00				00----11	01110000	x
C=C&A	1110_1100_00				00----11	10110000	x
PFAD=C	1111_1100_00			x	00----11	11110000	x
	nnnn_1101_00			x	00----nn	nn110100	x
C=DATA	0000_1110_00			x	00----00	00111000	x
C=REGN	nnnn_1110_00			x	00----nn	nn111000	x
RCRD	dddd_1111_00				00----dd	dd111100	x
WCMD	0111_1111_00			x	00----01	11111100	
	1111_1111_00			x	00----11	11111100	x
A=0	0000_0ttt_10				00----00	000ttt10	x
B=0	0000_1ttt_10				00----00	001ttt10	x
C=0	0001_0ttt_10				00----00	010ttt10	x
AB EX	0001_1ttt_10				00----00	011ttt10	x
B=A	0010_0ttt_10				00----00	100ttt10	x
AC EX	0010_1ttt_10				00----00	101ttt10	x
C=B	0011_0ttt_10				00----00	110ttt10	x
BC EX	0011_1ttt_10				00----00	111ttt10	x
A=C	0100_0ttt_10				00----01	000ttt10	x
A=A+B	0100_1ttt_10				00----01	001ttt10	x
A=A+C	0101_0ttt_10				00----01	010ttt10	x
A=A+1	0101_1ttt_10				00----01	011ttt10	x
A=A-B	0110_0ttt_10				00----01	100ttt10	x

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A=A-1	0110_1ttt_10				00----01	101ttt10	x
A=A-C	0111_0ttt_10				00----01	110ttt10	x
C=C+C	0111_1ttt_10				00----01	111ttt10	x
C=A+C	1000_0ttt_10				00----10	000ttt10	x
C=C+1	1000_1ttt_10				00----10	001ttt10	x
C=A-C	1001_0ttt_10				00----10	010ttt10	x
C=C-1	1001_1ttt_10				00----10	011ttt10	x
C=-C	1010_0ttt_10				00----10	100ttt10	x
C=-C-1	1010_1ttt_10				00----10	101ttt10	x
?B=0	1011_0ttt_10				00----10	110ttt10	x
?C=0	1011_1ttt_10				00----10	111ttt10	x
?A<C	1100_0ttt_10				00----11	000ttt10	x
?A<B	1100_1ttt_10				00----11	001ttt10	x
?A#0	1101_0ttt_10				00----11	010ttt10	x
?A#C	1101_1ttt_10				00----11	011ttt10	x
A SR	1110_0ttt_10				00----11	100ttt10	x
B SR	1110_1ttt_10				00----11	101ttt10	x
C SR	1111_0ttt_10				00----11	110ttt10	x
A SL	1111_1ttt_10				00----11	111ttt10	x
BRN NC	aaaa_aaa0_11				00----aa	aaaaa011	x
BRN C	aaaa_aaa1_11				00----aa	aaaaa111	x
JMP NC	aaaa_aaaa_01	aaaa_aaaa_10			00----aa	aaaaaa01	x
JMP C	aaaa_aaaa_01	aaaa_aaaa_11			00----aa	aaaaaa01	x
JSB NC	aaaa_aaaa_01	aaaa_aaaa_00			00----aa	aaaaaa01	x
JSB C	aaaa_aaaa_01	aaaa_aaaa_01			00----aa	aaaaaa01	x