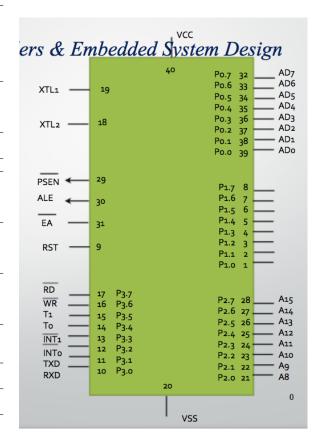
instruction	Bytes	Cycles	Opcode
ACALL	1	2	aaa10001 address
LCALL RET		$\frac{2}{2}$	00010010 address address 00100010
RET		$\frac{2}{2}$	00110010
AJMP	2	2	aaa00001 address
LJMP		2	00000010 address address
SJMP	1	2	10000000 rel.address
JMP JZ		$\frac{2}{2}$	01110011 01100000 rel.address
JNZ	1	$\frac{2}{2}$	01110000 rel.address
CJNE		2	10110101 address rel.address
CJNE	1	2	10110100 data rel.address
CJNE	1	2	10111rrr data rel.address
CJNE DNJZ	1	2 2	1011011i data rel.address 11011rrr rel.address
DJNZ		$\frac{2}{2}$	11011111 rel.address 11010101 address rel.address
NOP	1	1	0000000
ADD		1	00101rrr
ADD	1	1	00100101 address
ADD ADD		1	0010011i 00100100 data
SUBB		1	10011rrr
SUBB		1	10010101 address
SUBB	1	1	1001011i
SUBB		1	10010100 data
ADDC ADDC		1 1	00111rrr 00110101 address
ADDC		1	00110101 address 0011011i
ADDC		1	00110100 data
INC		1	00000100
INC		1	00001rrr
(DPTR)INC		1	10100011 00010100
DEC		1	00010100 00011rrr
MUL	1	4	10100100
DIV		4	10000100
CLR	1	1	11100100
CPL RL		1 1	11110100 00100011
RLC	1	1	00110011
RR	. 1	1	00000011
RRC		1	00010011
SWAP		1 1	11000100 11101rrr
MOV MOV	1	1	11101rrr 11100101 address
MOV	_	1	1110011i
MOV	I	1	01110100  data
(dir)MOV		2	1000011i
(dir)MOV (@r)MOV	I	$\frac{2}{1}$	01110101 address data 1111011i
(@r)MOV		2	1010011i address
MOV @r	1	1	0111011i data
PUSH		2	11000000 address
POP	_	2	11010000 address
XCH XCH		1 1	11000101 address 1100011i
XCHD		1	1101011i
ANL		1	01011rrr
ANL	2	1	01010101, address
ANL	1	1	0101011i
ANL (dir)ANL	1	$\frac{2}{1}$	01010100 data 01010010 address
(dir)ANL	1	1	01010010 address 01010011 address data
ORL		1	01001rrr
ORL		1	01000101, address
ORL	I	1	0100011i
ORL (dir)ORL	1	1	01000100 data 01000010 address
(dir)ORL		$\frac{1}{2}$	01000010 address data
XRL		1	01101rrr
XRL	2	1	01100101 address
XRL		1	0110011i
XRL XRL		1 1	01100100 data 01100010 address
XRL		3	01100010 address 01100011 address data
MODE	INFO	9	Jacob dana
register	MOV A,R7=		
implied	the address	s is implied	by instruction

 ${\it address is given}$ 

@RO or @R1

direct indirect



Η