



18th November, 1991. "S25.DOC"

INSTRUCTION FORMAT:

	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
b7	0	0	PA3	PA4	0	EXM	0	PB3	PB4	0
b6	F3	F2	F1	F0	AC	IAI	IA0	IB1	IB0	EC
	///	///	///	///	///	///	///	///	///	///
b5	///	///	///	///	///	///	///	///	///	///
b4	IDA	PA0	PA1	PA2	F4	IDB	PB0	PB1	PB2	EIX
b3										
b2										
b1										
b0	LA	A3	A2	A1	A0	LB	B3	B2	B1	B0

B ADDRESS (RELATIVE)

A ADDRESS (RELATIVE)



COMMON: 0100C-0199C (Updated at end of instruction)

B	+0	+1	+2	+3	+4
b7	0	0	PB3	PB4	0
b6	IO ACTIVE	0	0	0	BC
b5	///	///	///	///	///
b4	0=READ 1=WRITE	PB0	PB1	PB2	1
b3	0				
b2	0=FULL 1=NONFILL				
b1	0=NORMAL 1=CONTROL	B COUNT			
b0	0=FAC 1=MTIOC	B3	B2	B1	B0

of B ADDRESS (RELATIVE)

COMMON: 0200C-0299C (Updated at end of instruction)

A	+0	+1	+2	+3	+4
b7	0	0	PA3	PA4	0
b6	DISK MASK1	0	0	0	AC
b5	///	///	///	///	///
b4	DISK MASK0	PA0	PA1	PA2	1
b3					
b2					
b1					
b0	TAPE MASK	A3	A2	A1	A0

A ADDRESS (RELATIVE)

esp: --- Stack pointer ---

where:-  
ZE= zero, MI= minus, CA= carry, SW= switch/timeout  
IS= inhibit switch (unprotected & control modes)  
PtnNo= current partition no  
///= should be inversion of bit6 but never tested  
u0= should be 0 but never tested

Op codes F4-F0

00000 R	10000 SR
00001 W	10001 SW
00010 AAI/AA/SAI/SA/CA/CAI/MAI/ma/-/-	10010 TS
00011 MA	10011 -
00100 A	10100 -/OR/NEQ/AND/SRC/SLC/-/-/-/-
00101 D	10101 -
00110 M	10110 -
00111 S	10111 -
01000 MC	11000 IM
01001 MN	11001 -
01010 SM	11010 -
01011 BC	11011 SP
01100 E	11100 AP
01101 FN	11101 UPK
01110 C	11110 IC
01111 X	11111 PK

Static Name Aliases

TITLE \$S10 S25

.386  
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DGROUP GROUP CONST, \_BSS, \_DATA

EXTRN \_ctrace:NEAR  
~~EXTRN \_xtrace:NEAR~~  
~~EXTRN \_dtrace:NEAR~~