DMC BACKUP MEMORY

3100-MEE SERIES A

DESCRIPTION

3100-MEE (MEM86-E32K) is an electrically erasable programmable read only memory (EEPROM) which provides non-volatile back-up program storage.

INDICATORS

PGM Program LED
ERR Error LED
WRE Write Enable LED

ASSOCIATED FUNCTIONAL BLOCKS

Terminal Operation Commands:

WEE	Write to EEPROMS
REE	Read
WBE	Write to Back-up EEPROMS
RBE	Read from Back-up EEPROMS

SPECIFICATIONS

Location:	CPU rack
Power Requirements:	5V @ 1.2A.
Environment:	Temperature: 0 to 50°C Humidity: 5 to 95%

SELECTIONS

Board Address
Write enable switch (front panel)

CONNECTIONS AND ASSOCIATED PRODUCTS

SYSTEM	MEM86-E32K Requirements
3100-MR2 (64K RAM)	(2) 3100-MEE + Back-ups
3100-MR3 (32K RAM)	(1) 3100-MEE + Back-up
3100-MS2 (64K RAM)	(2) 3100-MEE + Backups
3100-MS3 (32K RAM)	(1) 3100-MEE + Backup

Switch Locations and Settings

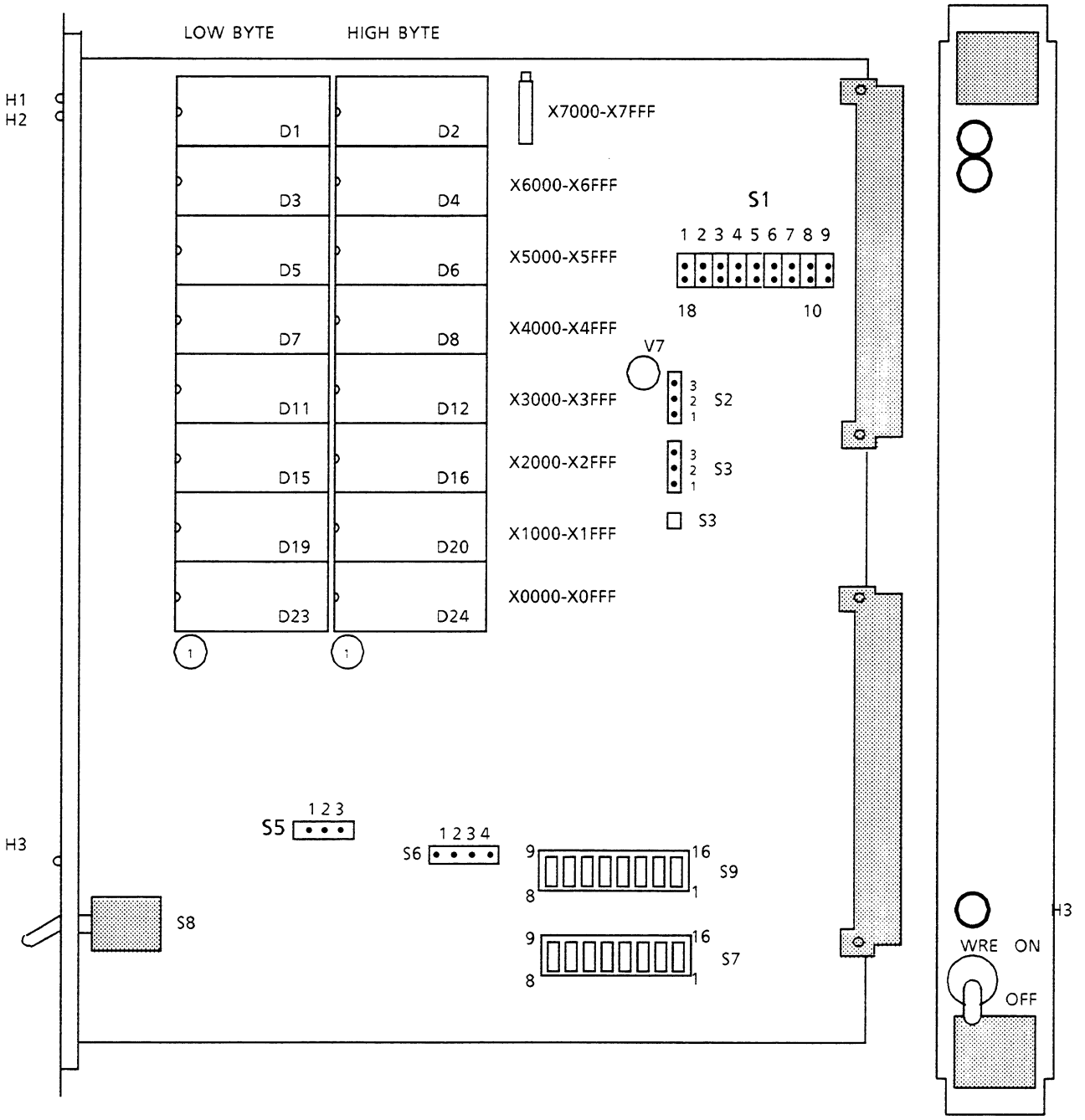

Figure 1. Location of Memories and Switches on Memory Board 3100- MEE .

Table 1 Switch Settings

Switch	Setting		
S1	17-18	No Interrupts	
S2	1-2	CPU Clock	
S3	1-2	CPU Clock	
S4		Not Significant	Factory Set
S5	1-2	No Interrupts	
S6	1-2	No Wait Cycles	
S7		8 7 6 5 4 3 2 1	
	Hex Weight	80 40 20 10 8 4 2 1	
	Examples:	0 0 0 0 1 0 1 0	= 1st EEPROM Memory OAH
		0 0 0 0 1 0 1 1	= 2nd EEPROM Memory OBH
		0 0 0 0 1 1 0 0	= 1st Spare EEPROM OCH
		0 0 0 0 1 1 0 1	= 2nd Spare EEPROM ODH
			(Logic 1 = Switch Open)
			(X = Don't Care)
			(Logic 0 = Switch On)

Status Indicators

The three LEDs on the front panel (Figure 2) monitor the following conditions:

- PGM = Program = Programming (erasing or writing operation is in process)
- ERR = Error = Indicates an interrupt request in the interrupting operaton mode has not been reset. Switch S1 does not affect the functioning of this indicator. On the other hand, if S5 has been set to cause an interrupt at every writing cycle, the LED will be lit in connection with writing operation regardless of the setting of S1.
- WRE = WRITE ENABLE = Indicates that switch WRE is in upper (ON) position (writing permitted).

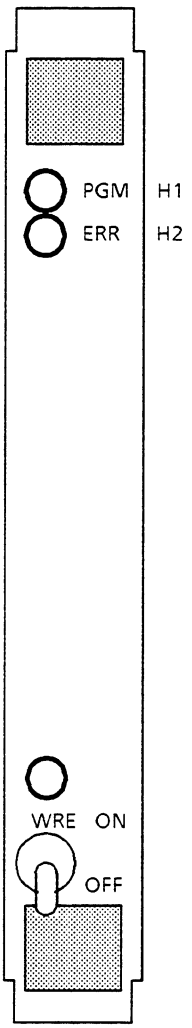

Figure 2 LED's on Front of 3100 - MEE Board