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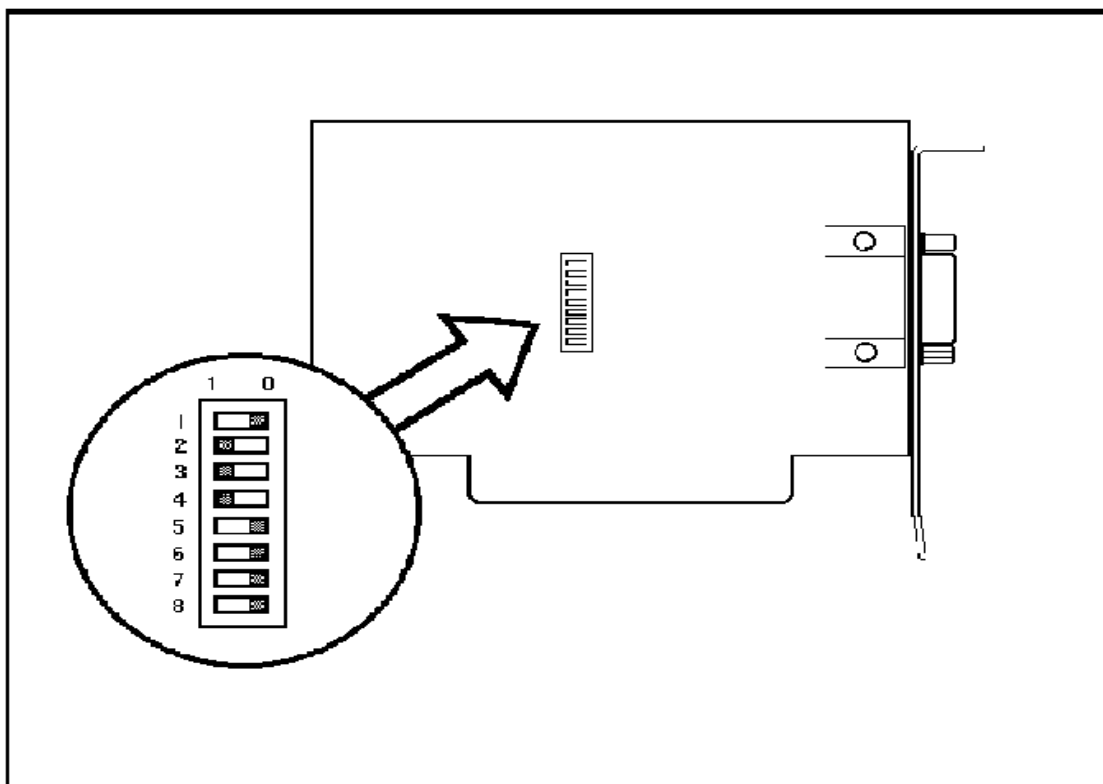
Innovating the HP Way

HP 82335 HP-IB Card Configuration Settings

The HP-IB interface card utilized for the ChemStation loaded on Windows[®] 3.x or Windows[®] 95 systems is the HP 82335 (Versions: A, B or I). Note: The HP 82335 HPIB card is not supported on Windows NT[®].

Setting the HP-IB Switches

The following diagram shows the location of the DIP switch and the factory default settings (Select Code 7). This is the recommended setting unless a conflict is encountered.



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Select Code Settings

In the event of a conflict, the following table shows the available select codes for the HPIB card and the associated DIP switch settings and memory address range.

Memory Address	Select Code	Switches 1 2 3 4	Potential Conflicts
C000	16	0 0 0 0	May be used by VGA
C400	1	0 0 0 1	May be used by VGA
C800	2	0 0 1 0	Used by EISA SCSI Controller
CC00	3	0 0 1 1	Default for Scanjet IIC
D000	4	0 1 0 0	
D400	5	0 1 0 1	
D800	6	0 1 1 0	
DC00	7	0 1 1 1	Default Setting *
E000	8	1 0 0 0	Used by VGA on Vectra ES
E400	9	1 0 0 1	Used by VGA on Vectra ES
E800	10	1 0 1 0	Used by VGA on Vectra ES
EC00	11	1 0 1 1	Used by VGA on Vectra ES
F000	12	1 1 0 0	Reserved for System ROM
F400	13	1 1 0 1	Reserved for System ROM
F800	14	1 1 1 0	Reserved for System ROM
FC00	15	1 1 1 1	Reserved for System ROM
* This address may conflict with the default setting for the ISA SCSI Controller			

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Interrupt (IRQ) Settings

The interrupt feature of the HP 82335 HP-IB card is not used by the ChemStation software. In general, the HP-IB card may share IRQ settings with other devices as long as the other devices support IRQ Sharing. In the event of a conflict, the following table shows the IRQ setting and the DIP switch settings required to achieve it.

Interrupt Level	Switch 5	Switch 6	Potential Conflicts
3	0	0	Recommended Setting. Used by COM2 serial port.
4	0	1	Used by COM1 serial port.
5	1	0	Used by LPT2 parallel port.
7	1	1	Used by LPT1 parallel port.

Eliminating Memory Conflicts

If you have loaded an expanded memory manager to access upper memory (HIMEM.SYS for Windows® 3.x), you will need to exclude the memory address space of the HP 82335 HPIB card. This needs to be done in both the CONFIG.SYS and SYSTEM.INI files as follows:

CONFIG.SYS

```
DEVICE=C:\WINDOWS\EMM386.EXE NOEMS X=DC00-DFFF*
```

SYSTEM.INI – [386Enh] section

```
EMMEXCLUDE=DC00-DFFF*
```

* Memory address range is determined from select code setting and table above

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