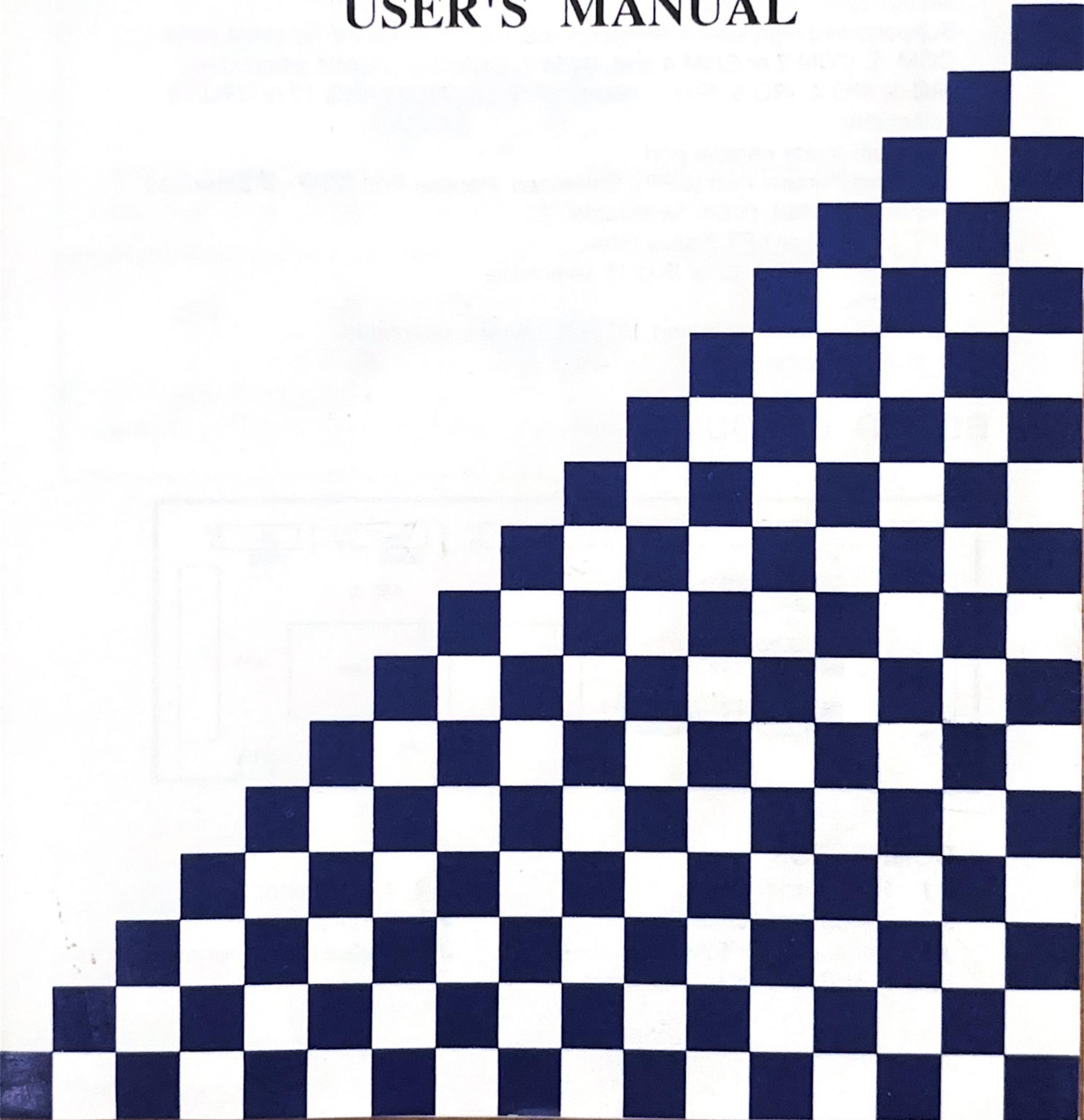# IK

KW-557A
## Super ISA-BUS Multi-I/O Card
USER'S MANUAL

GENERAL

The KW-557A is a true 16-bits ISA-bus super Multi-I/O card, It supports the ISA-bus personal computer with Serial(FIFO)/Parallel(ECP.EPP.SPP)/ Game ports and Floppy disk/IDE-bus Hard disk drivers control interface.

FEATURES

* Controls up to two IDE-Bus hard disk drivers.
* Controls up to any two of the following types of FDDs:
  360 KB, 720 KB, 1.2MB, 1.44 MB.
* Two RS-232C serial ports:
  -Supports two high speed 16550 compatible (16 bytes FIFO) serial ports.
  -COM 1, COM 3 or COM 4 and COM 2, COM 3 or COM 4 selectable.
  -IRQ 3, IRQ 4, IRQ 5, IRQ 7, IRQ 9 , IRQ 10, IRQ 11, IRQ 12 or IRQ 15 selectable.
* One Multi-mode parallel port:
  -Standard Parallel Port (SPP), Enhanced Parallel Port (EPP) or Extended Capabilities Port (ECP) selectable.
  -LPT 1, LPT 2 or LPT 3 selectable.
  -IRQ 5, IRQ 7, IRQ 12 or IRQ 15 selectable.
* One game port.
* Flexible IRQ selectable and I/O port address selectable.
* All ports can be disabled.

BOARD LAYOUT
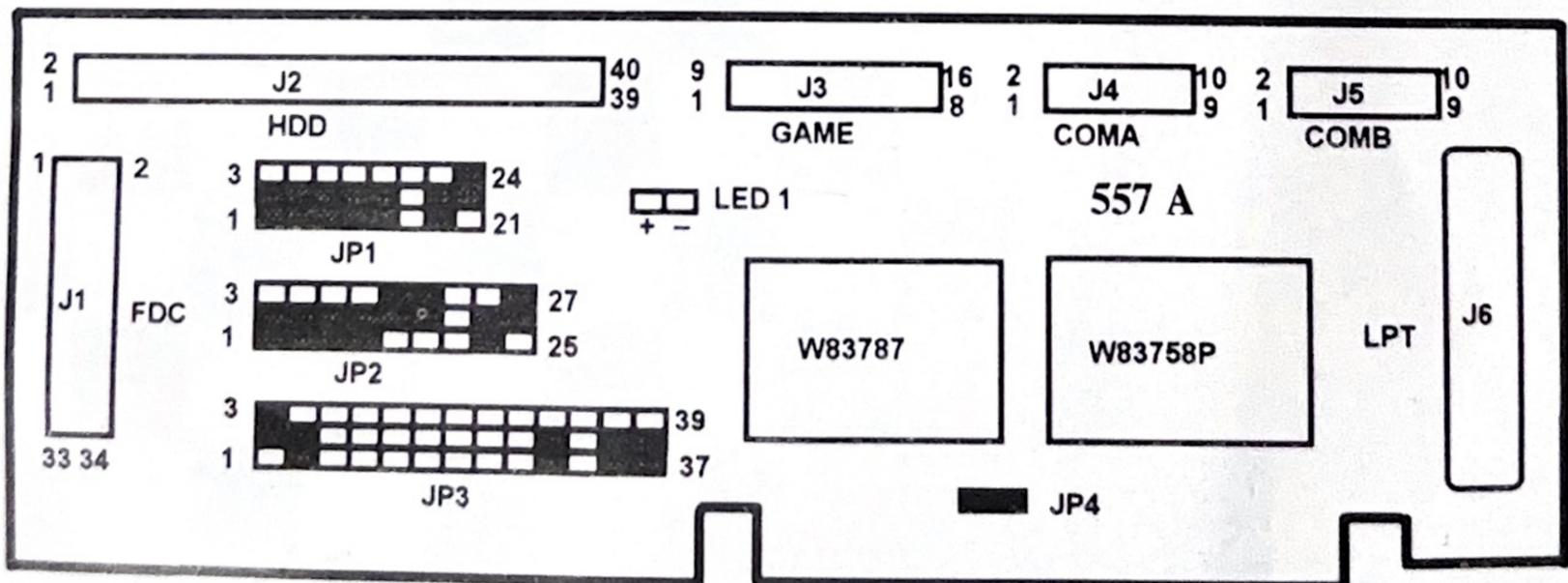
CONNECTOR

J 1 : FDC connector
J 3 : GAME port connector
J 5 : Serial port B connector
LED 1 : HDD indicator

J 2 : HDD connector
J 4 : Serial port A connector
J 6 : Parallel port connector
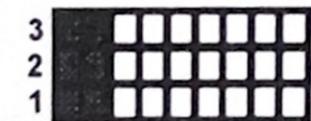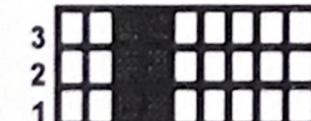
BASE ADDRESS

COM 1 : 3F8-3FF Hex   LPT1 : 3BC Hex (can not use in EPP mode)
COM 2 : 2F8-2FF Hex   LPT2 : 378 Hex
COM 3 : 3E8-3EF Hex   LPT3 : 278 Hex
COM 4 : 2E8-2EF Hex
Floppy Primary : 3F0-3F7 Hex
Floppy Secondary : 370-377 Hex
Hard Disk Primary : 1F0-1F7, 3F6, 3F7 Hex
Hard Disk Secondary : 170-177, 376, 377 Hex.

JUMPER SETTING

JP1 : HDD/FDC address and FDC/Printer DACK Selection

Function	Option	Option
HDD selection (3–24, 2–23, 1–22)	Enable	Disable
	Primary	Secondary
FDC selection (3–24, 2–23, 1–22)	Enable	Disable
	Normal mode	A&B Chanege
	Primary	Secondary
DACK for FDC, Printer (3–24, 2–23, 1–22)	DACK 1(Printer)	DACK 3(Printer)
	DACK 3(FDC)	DACK 2(FDC)

JP2 : Serial/Parallel Address and FDC DMA Selection

Function	Option	Option
COM A selection (3–27, 2–26, 1–25)	COM 1(3F8)	COM 3(3E8)
	COM 4(2E8)	Disable
COM B selection (3–27, 2–26, 1–25)	COM 2(2F8)	COM 3(3E8)
	COM 4(2E8)	Disable
Printer selection (3–27, 2–26, 1–25)	LPT 1 (3BC)	LPT 2 (378)
	LPT 3 (278)	Disable
DMA for FDC, Printer (3–27, 2–26, 1–25)	DMA 1 (Printer)	DMA 3 (Printer)
	DMA 3 (FDC)	DMA 2 (FDC)

JP3 : Serial/Parallel IRQ and Printer IRQ/Mode Selection

COM A IRQ selection

```
3  ███████████████░░░
2  ██████████████░░░
1  ██████████████░░░
```
3 / 2 / 1 (left) · 39 / 38 / 37 (right)

IRQ 3   IRQ4   IRQ 5   IRQ 7   IRQ 9   IRQ 10   IRQ 11   IRQ 12   IRQ 15

COM B IRQ selection

```
3  ███████████░░░
2  ███████████░░░
1  ░░░░░░░░░░░░░░
```
3 / 2 / 1 (left) · 39 / 38 / 37 (right)

IRQ 3   IRQ4   IRQ 5   IRQ 7   IRQ 9   IRQ 10   IRQ 11   IRQ 12   IRQ 15

PARALLEL IRQ selection

```
3  ░░░░░░░░░░███░
2  ░░░░░░░░░░███░
1  ░░░░░░░░░░███░
```
3 / 2 / 1 (left) · 39 / 38 / 37 (right)

IRQ 7		IRQ 5	
IRQ 12		IRQ 15	

PARALLEL Mode selection

```
3  ░░░░░░░░░░░███
2  ░░░░░░░░░░░███
1  ░░░░░░░░░░░███
```
3 / 2 / 1 (left) · 39 / 38 / 37 (right)

Standard		ECP Mode	
EPP Mode			
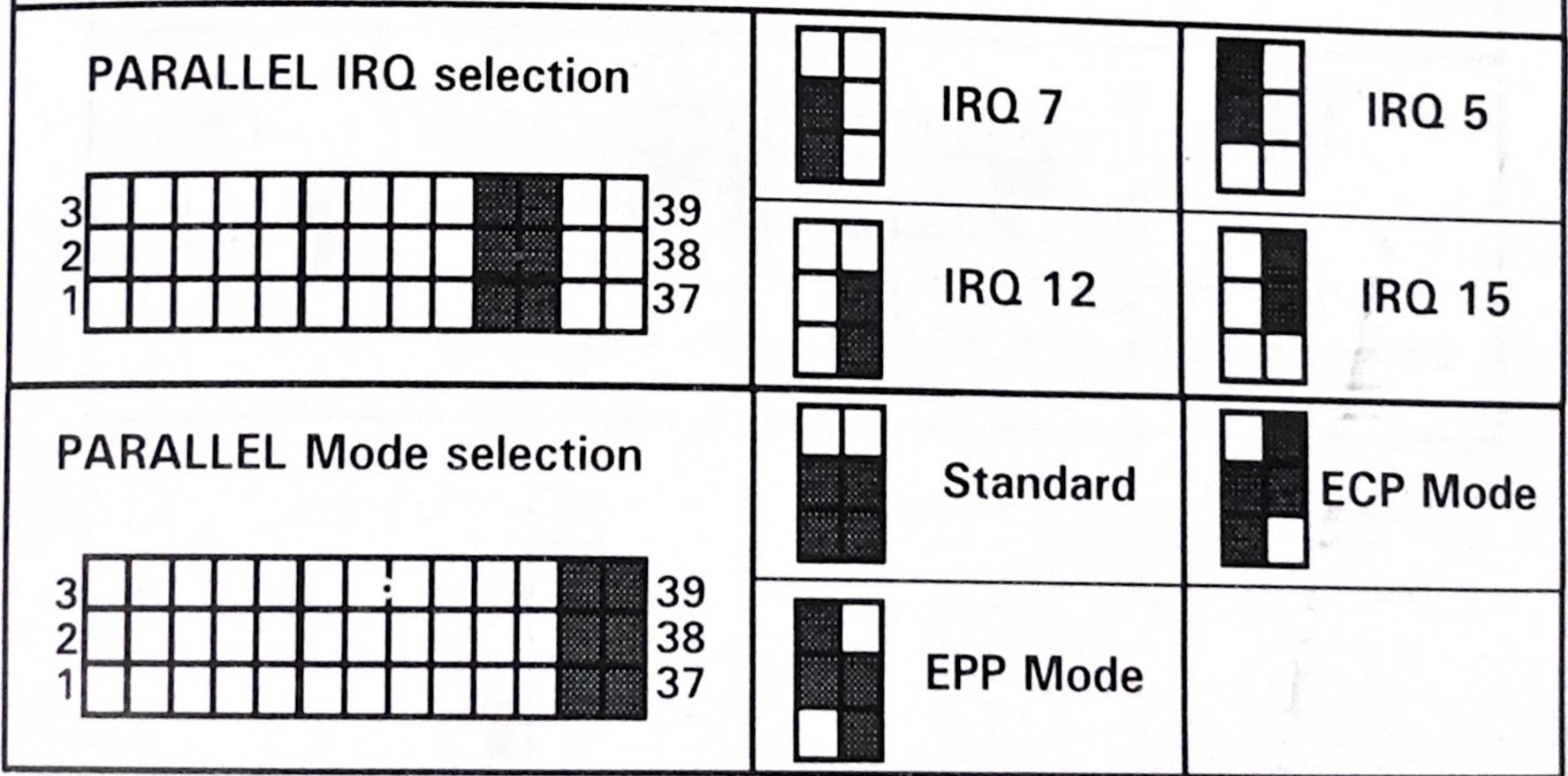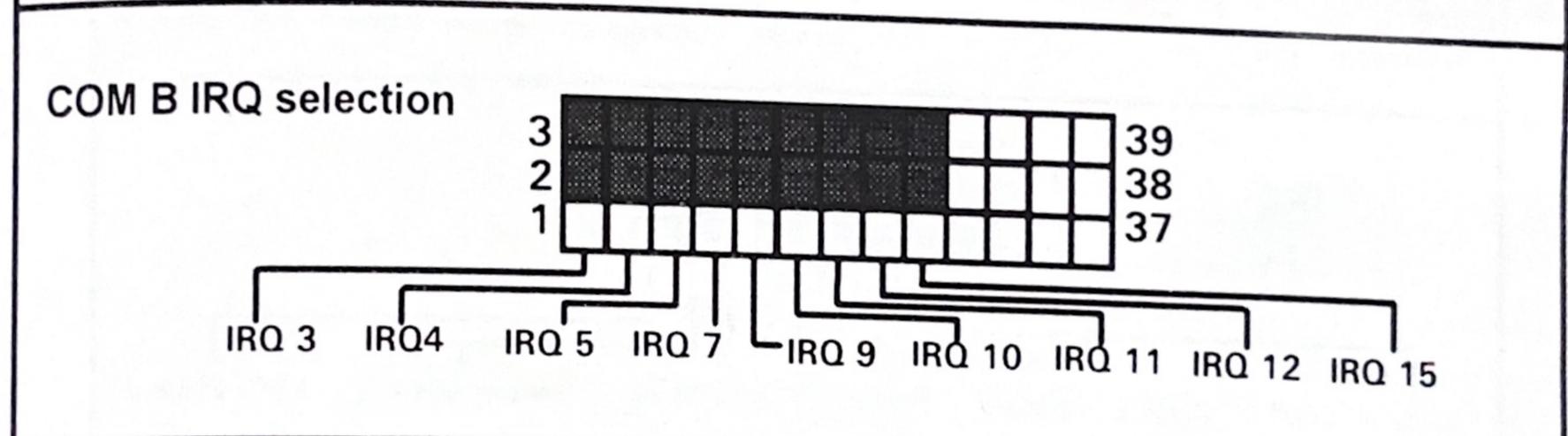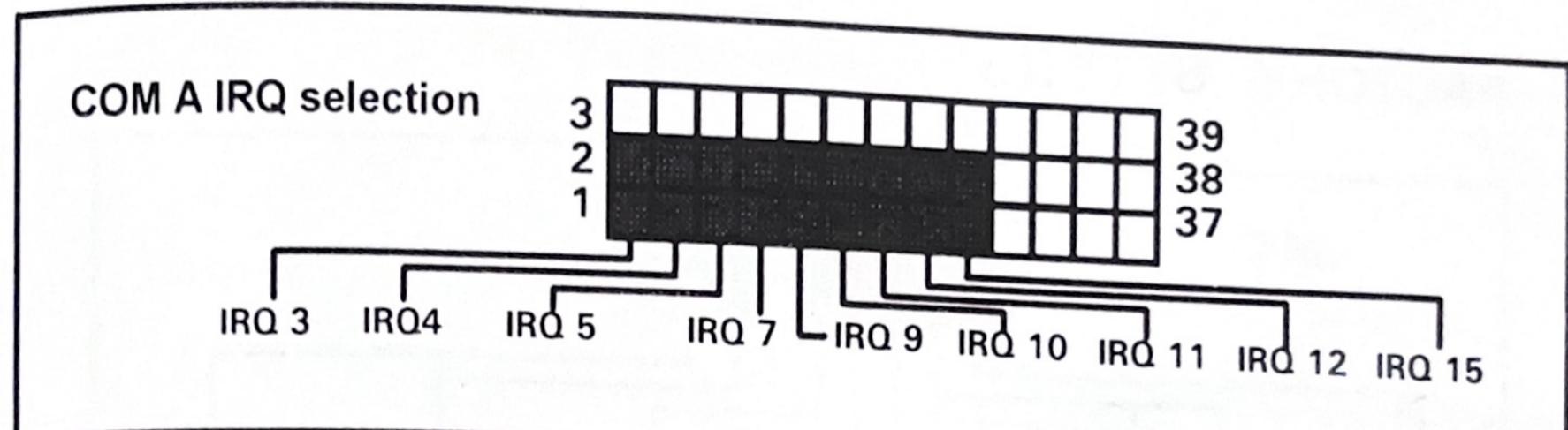
JP4 : GAME Enable/Disable

JP4		:Game Enable	:Game Disable

FACTORY SETTING

JP1

```
3  [][][][][][][]  24
2  [][][][][][]  []  23
1  [][][][][]  []  []  22
```

HDD:Enable   HDD:Primary   FDC:Enable   FDC:Normal   FDC:Primary   Printer: DACK 3   FDC: DACK 2

JP2

```
3  [][][][][][]  []  []  27
2  [][][][][]  []  []  26
1  [][][][]  []  []  []  []  25
```

COM A: COM 1   COM B: COM 2   Printer: LPT2 (378 H)   Printer: DMA 3   FDC: DMA 2

JP3

```
3  [][][][][][][][][][][][]  39
2  [][][][][][][][][][][]  []  []  38
1  []  [][][][][][][][][][][]  37
```

COM B: IRQ 3   COM A: IRQ 4   Printer: IRQ 7   Printer Mode: Standard

JP4

[] : Enable

557A