

AN INTRODUCTION TO KW-508 TWO PARALLEL PRINTER CARD

GENERAL DESCRIPTION

KW-508 two parallel printer card provides two interface between the 8088/80286/80386/80486 based personal computer and parallel device such as the parallel printer.

BOARD LAYOUT

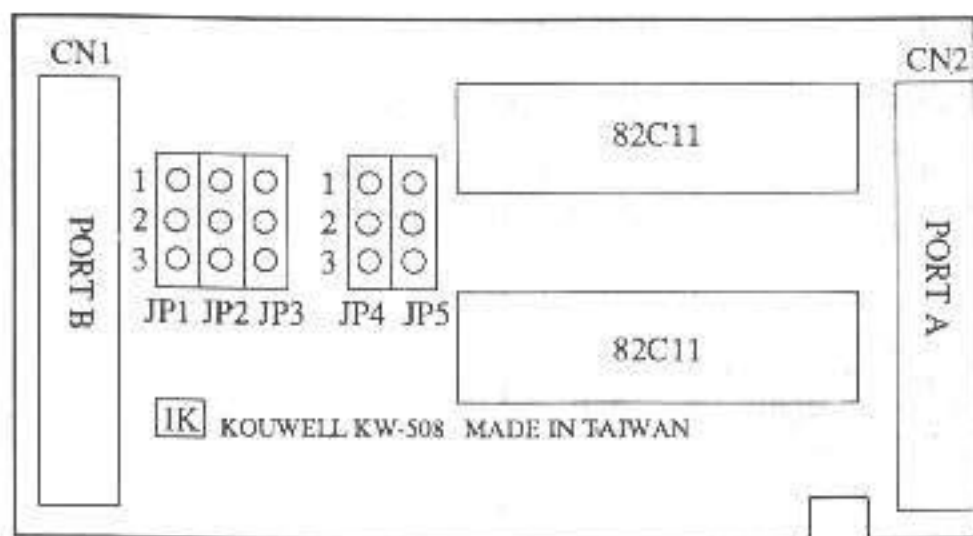


Figure 1 Board Layout of KW-508

PARALLEL PORT BASE ADDRESS

The two parallel ports can be hardware assigned to the three I/O addresses, They are:

LPT1: 3BC Hex

LPT2: 378 Hex

LPT3: 278 Hex

The 3-pin jumper blocks JP1, JP2 and JP3 on your KW-508, you will find a pair of jumper plugs for selecting LPTs. Pin 1 & 2 are associated with parallel PORT B (CN1) and Pin 2 & 3 are associated with parallel PORT A (CN2) on these jumper blocks. The jumper setting is shown as following:

A> For port A (CN2)
(25-pin D-type connector)

B> For port B (CN1)
(26-pin head pin connector)

Jumper I/O address	JP1 Pin (2, 3)	JP2 Pin (2, 3)	JP3 Pin (2, 3)	Jumper I/O address	JP1 Pin (1, 2)	JP2 Pin (1, 2)	JP3 Pin (1, 2)
3BCH	—	—	short	3BCH	—	—	short
378H	—	short	—	378H	—	short	—
278H	short	—	—	278H	short	—	—
Disable	—	—	—	Disable	—	—	—

“short” represent the subjected jumper is to be shorted by a shorting plug.

“ — ” represent the subjected jumper is in open circuit.

PARALLEL PORT IRQ LEVEL

The two parallel ports can be hardware assigned to the two IRQ levels, They are:

IRQ5

IRQ7

The 3-pin jumper blocks JP4 and JP5 on your KW-508 are for setting parallel port A or B among IRQ5 or IRQ7. The jumper setting is shown as following:

A> For port A (CN2)

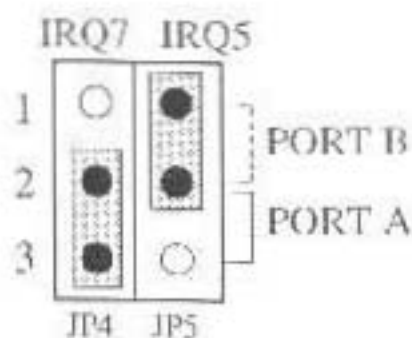
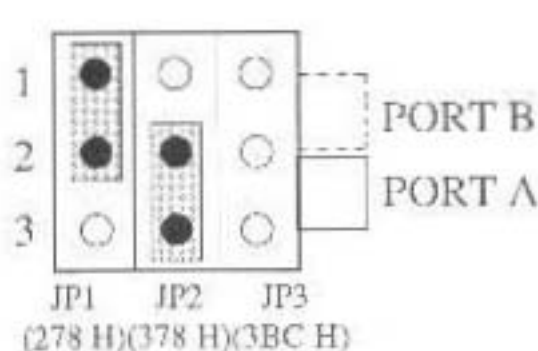
B> For port B (CN1)

Jumper \ IRQ	JP4 Pin (2, 3)	JP5 Pin (2, 3)	Jumper \ IRQ	JP4 Pin (1, 2)	JP5 Pin (1, 2)
IRQ7	short	—	IRQ7	short	—
IRQ5	—	short	IRQ5	—	short

“short” represent the subjected jumper is to be shorted by a shorting plug.

“ — ” represent the subjected jumper is in open circuit.

FACTORY SETTING



Note: Rectangle represents short-circuiting

PINOUPS OF THE PARALLEL PORT A (CN2)

The following diagram details the pin assignment of signals at the 25-pin parallel port connector (CN2):

PIN	SIGNAL	IN/OUT
1	-STROBE	OUT
2	DATA BIT 0	OUT
3	DATA BIT 1	OUT
4	DATA BIT 2	OUT
5	DATA BIT 3	OUT
6	DATA BIT 4	OUT
7	DATA BIT 5	OUT
8	DATA BIT 6	OUT
9	DATA BIT 7	OUT
10	-ACK	IN
11	BUSY	IN
12	PE	IN
13	SLCT	IN
14	-AUTO FEED XT	OUT
15	-ERROR	IN
16	-INIT	IN
17	-SLCT IN	OUT
18-25	GND	-

PINOUPS OF THE PARALLEL PORT B (CN1)

The following diagram details the pin assignment of signals at the 26-pin parallel port connector (CN1):

PIN	SIGNAL	IN/OUT
1	-STROBE	OUT
2	DATA BIT 0	OUT
3	DATA BIT 1	OUT
4	DATA BIT 2	OUT
5	DATA BIT 3	OUT
6	DATA BIT 4	OUT
7	DATA BIT 5	OUT
8	DATA BIT 6	OUT
9	DATA BIT 7	OUT
10	-ACK	IN
11	BUSY	IN
12	PE	IN
13	SLCT	IN
14	-AUTO FEED XT	OUT
15	-ERROR	IN
16	-INIT	IN
17	-SLCT IN	OUT
18-25	GND	-
26	NC	