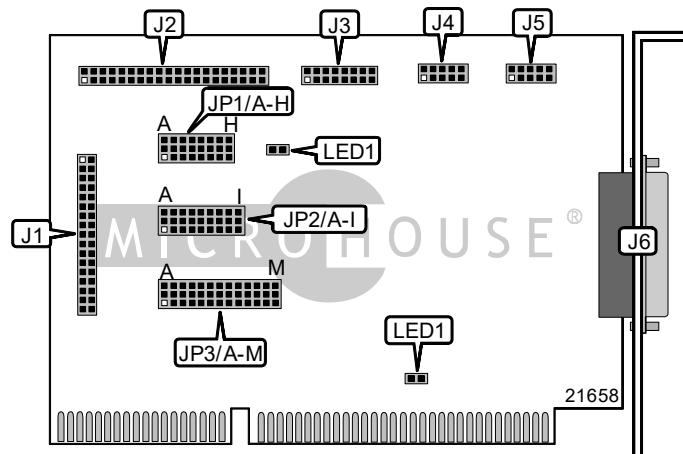


# KOUWELL ELECTRONIC CORPORATION

## KW-557A

|                         |   |
|-------------------------|---|
| Card Type               | Hard drive controller card                |
| Hard Drives supported   | Two IDE (AT) drives                       |
| Floppy drives supported | Two 360KB, 720KB, 1.2MB, or 1.44MB drives |
| Data Bus                | 16-bit ISA                                |
| Card Size               | Half-length, full-height card             |



| CONNECTIONS                           |          |                                    |          |
|---------------------------------------|----------|------------------------------------|----------|
| Function                              | Location | Function                           | Location |
| 34-pin cable connector - floppy drive | J1       | 10-pin serial port 2 - internal    | J5       |
| 40-pin primary IDE(AT) connector      | J2       | 25-pin parallel port - external    | J6       |
| 16-pin game port                      | J3       | 2-pin connector - drive active LED | LED1     |
| 10-pin serial port 1 - internal       | J4       |                                    |          |

| USER CONFIGURABLE SETTINGS              |       |                   |
|---|-------|-------------------|
| Function                                | Label | Position          |
| í IDE(AT) interface enabled             | JP1/A | Pins 1 & 2 closed |
| IDE(AT) interface disabled              | JP1/A | Pins 2 & 3 closed |
| í Factory configured - do not alter     | JP1/B | Reserved          |
| í Floppy drive interface enabled        | JP1/C | Pins 1 & 2 closed |
| Floppy drive interface disabled         | JP1/C | Pins 2 & 3 closed |
| í Floppy drive order is normal (A:, B:) | JP1/D | Pins 1 & 2 closed |
| Floppy drive order is reversed (B:, A:) | JP1/D | Pins 2 & 3 closed |
| í Floppy drive primary                  | JP1/E | Pins 1 & 2 closed |
| Floppy drive secondary                  | JP1/E | Pins 2 & 3 closed |
| í Game port enabled                     | JP4   | Closed            |
| Game port disabled                      | JP4   | Open              |

| DACK SELECTION |                   |                   |                   |
|----------------|-------------------|-------------------|-------------------|
| DACK           | W1/F              | W1/G              | W1/H              |
| 1 (printer)    | Pins 1 & 2 closed | Open              | Open              |
| 3 (printer)    | Open              | Pins 1 & 2 closed | Open              |
| 3 (FDC)        | Open              | Pins 2 & 3 closed | Open              |
| 2 (FDC)        | Open              | Open              | Pins 2 & 3 closed |

Continued on next page . . .

# KOUWELL ELECTRONIC CORPORATION

## KW-557A

... continued from previous page

| DMA CHANNEL SELECTION |                   |                   |                   |
|-----------------------|-------------------|-------------------|-------------------|
| Channel               | JP2/G             | JP2/H             | JP2/I             |
| 1 (printer)           | Pins 1 & 2 closed | Open              | Open              |
| 3 (printer)           | Open              | Pins 1 & 2 closed | Open              |
| 3 (FDC)               | Open              | Pins 2 & 3 closed | Open              |
| 2 (FDC)               | Open              | Open              | Pins 2 & 3 closed |

| PARALLEL PORT ADDRESS SELECTION |                   |                   |
|---------------------------------|-------------------|-------------------|
| Setting                         | JP2/E             | JP2/F             |
| LPT1 (378h)                     | Pins 2 & 3 closed | Pins 1 & 2 closed |
| LPT2 (278h)                     | Pins 2 & 3 closed | Pins 2 & 3 closed |
| LPT3 (3BCh)                     | Pins 1 & 2 closed | Pins 1 & 2 closed |
| Disabled                        | Pins 1 & 2 closed | Pins 2 & 3 closed |

| SERIAL PORT 1 ADDRESS SELECTION |                   |                   |
|---------------------------------|-------------------|-------------------|
| Setting                         | JP2/A             | JP2/B             |
| COM1 (3F8h)                     | Pins 1 & 2 closed | Pins 1 & 2 closed |
| COM3 (3E8h)                     | Pins 2 & 3 closed | Pins 2 & 3 closed |
| COM4 (2E8h)                     | Pins 1 & 2 closed | Pins 2 & 3 closed |
| Disabled                        | Pins 2 & 3 closed | Pins 1 & 2 closed |

| SERIAL PORT 2 ADDRESS SELECTION |                   |                   |
|---------------------------------|-------------------|-------------------|
| Setting                         | JP2/C             | JP2/D             |
| COM2 (2F8h)                     | Pins 1 & 2 closed | Pins 1 & 2 closed |
| COM3 (3E8h)                     | Pins 1 & 2 closed | Pins 2 & 3 closed |
| COM4 (2E8h)                     | Pins 2 & 3 closed | Pins 2 & 3 closed |
| Disabled                        | Pins 2 & 3 closed | Pins 1 & 2 closed |

| SERIAL PORT 1 INTERRUPT SELECTION                       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| IRQ   | JP3/A | JP3/B | JP3/C | JP3/D | JP3/E | JP3/F | JP3/G | JP3/H | JP3/I |
| IRQ3  | 1 & 2 | Open  | Open  | Open  | Open  | Open  | Open  | Open  | Open  |
| IRQ4  | Open  | 1 & 2 | Open  | Open  | Open  | Open  | Open  | Open  | Open  |
| IRQ5  | Open  | Open  | 1 & 2 | Open  | Open  | Open  | Open  | Open  | Open  |
| IRQ7  | Open  | Open  | Open  | 1 & 2 | Open  | Open  | Open  | Open  | Open  |
| IRQ9  | Open  | Open  | Open  | Open  | 1 & 2 | Open  | Open  | Open  | Open  |
| IRQ10   | Open  | Open  | Open  | Open  | Open  | 1 & 2 | Open  | Open  | Open  |
| IRQ11   | Open  | Open  | Open  | Open  | Open  | Open  | 1 & 2 | Open  | Open  |
| IRQ12   | Open  | Open  | Open  | Open  | Open  | Open  | Open  | 1 & 2 | Open  |
| IRQ15   | Open  | Open  | Open  | Open  | Open  | Open  | Open  | Open  | 1 & 2 |
| Note: Pins designated should be in the closed position. |       |       |       |       |       |       |       |       |       |

Continued on next page ...

# KOUWELL ELECTRONIC CORPORATION

## KW-557A

. . . continued from previous page

| SERIAL PORT 2 INTERRUPT SELECTION |       |       |       |       |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| IRQ                               | JP3/A | JP3/B | JP3/C | JP3/D | JP3/E | JP3/F | JP3/G | JP3/H | JP3/I |
| IRQ3                              | 2 & 3 | Open  | Open  | Open  | Open  | Open  | Open  | Open  | Open  |
| IRQ4                              | Open  | 2 & 3 | Open  | Open  | Open  | Open  | Open  | Open  | Open  |
| IRQ5                              | Open  | Open  | 2 & 3 | Open  | Open  | Open  | Open  | Open  | Open  |
| IRQ7                              | Open  | Open  | Open  | 2 & 3 | Open  | Open  | Open  | Open  | Open  |
| IRQ9                              | Open  | Open  | Open  | Open  | 2 & 3 | Open  | Open  | Open  | Open  |
| IRQ10                             | Open  | Open  | Open  | Open  | Open  | 2 & 3 | Open  | Open  | Open  |
| IRQ11                             | Open  | Open  | Open  | Open  | Open  | Open  | 2 & 3 | Open  | Open  |
| IRQ12                             | Open  | Open  | Open  | Open  | Open  | Open  | Open  | 2 & 3 | Open  |
| IRQ15                             | Open  | Open  | Open  | Open  | Open  | Open  | Open  | Open  | 2 & 3 |

Note: Pins designated should be in the closed position.

| PARALLEL PORT INTERRUPT SELECTION |                   |                   |
|-----------------------------------|-------------------|-------------------|
| IRQ                               | JP3/J             | JP3/K             |
| IRQ5                              | Pins 2 & 3 closed | Open              |
| IRQ7                              | Pins 1 & 2 closed | Open              |
| IRQ12                             | Open              | Pins 1 & 2 closed |
| IRQ15                             | Open              | Pins 2 & 3 closed |

| PARALLEL PORT MODE SELECTION |                   |                   |
|------------------------------|-------------------|-------------------|
| Setting                      | JP3/L             | JP3/M             |
| Standard                     | Pins 1 & 2 closed | Pins 1 & 2 closed |
| ECP                          | Pins 1 & 2 closed | Pins 2 & 3 closed |
| EPP                          | Pins 2 & 3 closed | Pins 1 & 2 closed |