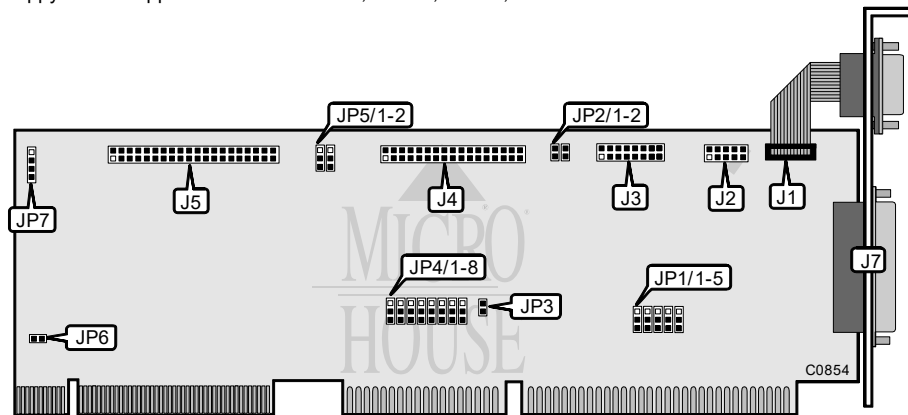# KOUWELL ELECTRONICS CORPORATION
# KW-559AG

Q4/95

Data bus:                   32-bit VL-bus
Size:                       Three-quarter length, half-height card
Hard drive supported:       Two IDE(AT) drives
Floppy drives supported:    Two 360KB, 720KB, 1.2MB, or 1.44MB drives



| CONNECTIONS | |
|---|---|
| Function | Location |
| 9-pin serial port 1 - external, 10-pin serial port 1 internal | J1 |
| 10-pin serial port 2 - internal | J2 |
| 16-pin game port | J3 |
| 34-pin cable connector - floppy drive | J4 |
| 40-pin primary IDE(AT) connector | J5 |
| 25-pin parallel port - external | J7 |
| 4-pin connector - drive active LED | JP7 |

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Location | Setting |
| í Parallel port is bi-directional | JP3 | open |
| Parallel port is unidirectional | JP3 | closed |
| í Floppy drive interface enabled | JP4/7 | pins 1 & 2 closed |
| Floppy drive interface disabled | JP4/7 | pins 2 & 3 closed |
| í Parallel port IRQ 7 select | JP4/8 | pins 2 & 3 closed |
| Parallel port IRQ 5 select | JP4/8 | pins 1 & 2 closed |
| í CPU speed is <=33MHz | JP6 | open |
| CPU speed is >33MHz | JP6 | closed |

# KOUWELL ELECTRONICS CORPORATION
# KW-559AG

| DRIVE SPEED CONFIGURATION | | |
|---|---|---|
| Speed | JP5/1 | JP5/2 |
| í 0 | pins 1 & 2 closed | pins 1 & 2 closed |
| 1 | pins 2 & 3 closed | pins 1 & 2 closed |
| 2 | pins 2 & 3 closed | pins 2 & 3 closed |

| SERIAL PORT 1 INTERRUPT SELECTION | | | | | |
|---|---|---|---|---|---|
| IRQ | JP1/1 pins 1 & 2 | JP1/2 pins 1 & 2 | JP1/3 pins 1 & 2 | JP1/4 pins 1 & 2 | JP1/5 pins 1 & 2 |
| í IRQ4 | open | closed | open | open | open |
| IRQ3 | closed | open | open | open | open |
| IRQ5 | open | open | closed | open | open |
| IRQ9 | open | open | open | closed | open |
| IRQ12 | open | open | open | open | closed |

| SERIAL PORT 2 INTERRUPT SELECTION | | | | | |
|---|---|---|---|---|---|
| IRQ | JP1/1 pins 2 & 3 | JP1/2 pins 2 & 3 | JP1/3 pins 2 & 3 | JP1/4 pins 2 & 3 | JP1/5 pins 2 & 3 |
| í IRQ3 | closed | open | open | open | open |
| IRQ4 | open | closed | open | open | open |
| IRQ5 | open | open | closed | open | open |
| IRQ9 | open | open | open | closed | open |
| IRQ12 | open | open | open | open | closed |

| PARALLEL PORT ADDRESS SELECTION | | |
|---|---|---|
| LPT | JP4/5 | JP4/6 |
| í 378h | pins 1 & 2 closed | pins 2 & 3 closed |
| 278h | pins 2 & 3 closed | pins 1 & 2 closed |
| 3BCh | pins 1 & 2 closed | pins 1 & 2 closed |
| Disabled | pins 2 & 3 closed | pins 2 & 3 closed |

| SERIAL PORT 1 ADDRESS SELECTION | | |
|---|---|---|
| COM | JP4/1 | JP4/2 |
| í COM1 (3F8h) | pins 1 & 2 closed | pins 2 & 3 closed |
| COM3 (3E8h) | pins 2 & 3 closed | pins 1 & 2 closed |
| COM4 (2E8h) | pins 1 & 2 closed | pins 1 & 2 closed |
| Disabled | pins 2 & 3 closed | pins 2 & 3 closed |

## KOUWELL ELECTRONICS CORPORATION
## KW-559AG

| SERIAL PORT 2 ADDRESS SELECTION | | |
|---|---|---|
| COM | JP4/3 | JP4/4 |
| í   COM2 (2F8h) | pins 1 & 2 closed | pins 2 & 3 closed |
| COM3 (3E8h) | pins 1 & 2 closed | pins 1 & 2 closed |
| COM4 (2E8h) | pins 2 & 3 closed | pins 1 & 2 closed |
| Disabled | pins 2 & 3 closed | pins 2 & 3 closed |

| GAME PORT CONFIGURATION | | |
|---|---|---|
| Mode | JP2/1 | JP2/2 |
| í Enabled | closed | closed |
| Disabled | open | open |