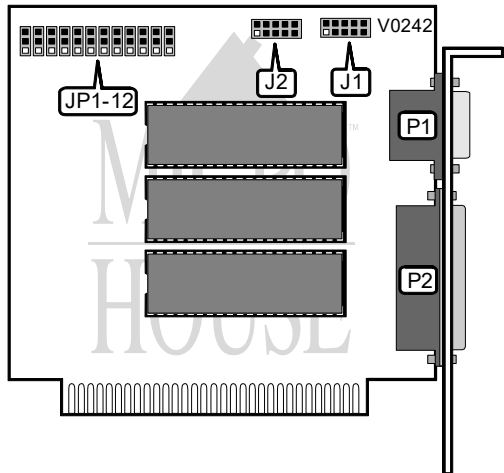# GOLDSTAR ELECTRONICS INTERNATIONAL, INC.
GW451C

Card Type   Multi I/O card
Chipset/Controller   Goldstar
I/O Options   Game port, parallel port, serial ports (2)
Maximum DRAM   N/A

CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	J1	Game port	P1
Serial port 2	J2	Parallel port	P2

SERIAL PORT CONFIGURATION				
Port 1 (J1)	JP1	JP2	JP3	JP4
COM1	Pins 1 & 2 closed	Pins 1 & 2 closed	N/A	Pins 1 & 2 closed
COM2	N/A	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
COM3	Pins 2 & 3 closed	Pins 1 & 2 closed	N/A	Pins 1 & 2 closed
COM4	N/A	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
Disabled	N/A	Pins 2 & 3 closed	N/A	Pins 2 & 3 closed

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GW451C

SERIAL PORT CONFIGURATION				
Port 2 (J2)	JP1	JP2	JP3	JP4
í COM2	N/A	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
COM1	Pins 1 & 2 closed	Pins 1 & 2 closed	N/A	Pins 1 & 2 closed
COM3	Pins 2 & 3 closed	Pins 1 & 2 closed	N/A	Pins 1 & 2 closed
COM4	N/A	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
Disabled	N/A	Pins 2 & 3 closed	N/A	Pins 2 & 3 closed

SERIAL PORT INTERRUPT SELECTION			
Port 1 (J1)	Port 2 (J2)	P8	P9
í IRQ4	í IRQ3	Pins 1 & 2 closed	Pins 2 & 3 closed
IRQ3	IRQ4	Pins 2 & 3 closed	Pins 1 & 2 closed

PARALLEL PORT CONFIGURATION					
Port	LPT	IRQ	JP5	JP6	JP10
í Enabled	í 1	í 7	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
Disabled	2	5	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

GAME PORT CONFIGURATION	
Setting	JP7
í Enabled	Pins 1 & 2 closed
Disabled	Pins 2 & 3 closed

FACTORY CONFIGURED - DO NOT ALTER	
Jumper	Position
JP11	N/A
JP12	N/A