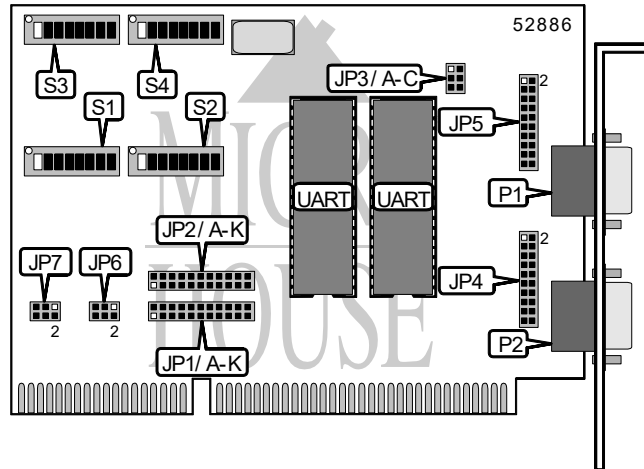# GLOBETEK, INC.
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Card Type　　　　Serial
Chipset　　　　　Startech ST16C650 (for S-1004)
　　　　　　　　　　　16550A (for S-1006)
I/O Options　　　Serial ports (2)
Data Bus　　　　16-bit ISA

CONNECTIONS			
Function	**Label**	**Function**	**Label**
Serial port 1	P1	Serial port 2	P2

USER CONFIGURABLE SETTINGS		
Setting	**Label**	**Position**
í　Serial port 1 interrupt normal	JP6	Pins 1 & 3, 2 & 4 closed
Serial port 1 interrupt shared	JP6	Pins 3 & 5, 4 & 6 closed
í　Serial port 2 interrupt normal	JP7	Pins 1 & 3, 2 & 4 closed
Serial port 2 interrupt shared	JP7	Pins 3 & 5, 4 & 6 closed
í　Factory configured - do not alter	SW2/6	N/A
í　Factory configured - do not alter	SW2/7	N/A
í　Serial port 1 enabled	SW2/8	On
Serial port 1 disabled	SW2/8	Off
í　Factory configured - do not alter	SW4/6	N/A
í　Factory configured - do not alter	SW4/7	N/A
í　Serial port 2 enabled	SW4/8	On
Serial port 2 disabled	SW4/8	Off

SERIAL PORT 1 ADDRESS SELECTION						
Setting	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
0000h	On	On	On	On	On	On
0008h	On	On	On	On	On	On
0010h	On	On	On	On	On	On
0018h	On	On	On	On	On	On
0020h	On	On	On	On	On	On
í 03F8h	On	On	On	On	On	On
FFD8h	Off	Off	Off	Off	Off	Off
FFE0h	Off	Off	Off	Off	Off	Off
FFE8h	Off	Off	Off	Off	Off	Off
FFF0h	Off	Off	Off	Off	Off	Off
FFF8h	Off	Off	Off	Off	Off	Off

SERIAL PORT 1 ADDRESS SELECTION (CON'T)						
Setting	SW1/7	SW1/8	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5
0000h	On	On	On	On	On	On	On
0008h	On	On	On	On	On	On	Off
0010h	On	On	On	On	On	Off	On
0018h	On	On	On	On	On	Off	Off
0020h	On	On	On	On	Off	On	On
í 03F8h	Off	Off	Off	Off	Off	Off	Off
FFD8h	Off	Off	Off	Off	On	Off	Off
FFE0h	Off	Off	Off	Off	Off	On	On
FFE8h	Off	Off	Off	Off	Off	On	Off
FFF0h	Off	Off	Off	Off	Off	Off	On
FFF8h	Off	Off	Off	Off	Off	Off	Off

Note: A total of 16384 base address settings are available. The switches are a binary representation of the decimal memory addresses. SW1/1 is the Most Significant Bit and switch SW2/3 is the Least Significant Bit. The switches have the following decimal values: SW1/1=32768, SW1/2=16384, SW1/3=8192, SW1/4=4096, SW1/5=2048, SW1/6=1024, SW1/7=512, SW1/8=256, SW2/1=128, SW2/2=64, SW2/3=32, SW2/4=16, SW2/5=8. Turn off the switches and add the values of the switches that are off to obtain the correct memory address. (Off=1, On=0)

SERIAL PORT 2 ADDRESS SELECTION						
Setting	SW3/1	SW3/2	SW3/3	SW3/4	SW3/5	SW3/6
0000h	On	On	On	On	On	On
0008h	On	On	On	On	On	On
0010h	On	On	On	On	On	On
0018h	On	On	On	On	On	On
0020h	On	On	On	On	On	On
í 02F8h	On	On	On	On	On	On
FFD8h	Off	Off	Off	Off	Off	Off
FFE0h	Off	Off	Off	Off	Off	Off
FFE8h	Off	Off	Off	Off	Off	Off
FFF0h	Off	Off	Off	Off	Off	Off
FFF8h	Off	Off	Off	Off	Off	Off

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SERIAL PORT 2 ADDRESS SELECTION (CON'T)							
Setting	**SW3/7**	**SW3/8**	**SW4/1**	**SW4/2**	**SW4/3**	**SW4/4**	**SW4/5**
0000h	On	On	On	On	On	On	On
0008h	On	On	On	On	On	On	Off
0010h	On	On	On	On	On	Off	On
0018h	On	On	On	On	On	Off	Off
0020h	On	On	On	On	Off	On	On
í 02F8h	Off	On	Off	Off	Off	Off	Off
FFD8h	Off	Off	Off	Off	On	Off	Off
FFE0h	Off	Off	Off	Off	Off	On	On
FFE8h	Off	Off	Off	Off	Off	On	Off
FFF0h	Off	Off	Off	Off	Off	Off	On
FFF8h	Off	Off	Off	Off	Off	Off	Off

Note: A total of 16384 base address settings are available. The switches are a binary representation of the decimal memory addresses. SW3/1 is the Most Significant Bit and switch SW4/3 is the Least Significant Bit. The switches have the following decimal values: SW3/1=32768, SW3/2=16384, SW3/3=8192, SW3/4=4096, SW3/5=2048, SW3/6=1024, SW3/7=512, SW3/8=256, SW4/1=128, SW4/2=64, SW4/3=32, SW4/4=16, SW4/5=8. Turn off the switches and add the values of the switches that are off to obtain the correct memory address. (Off=1, On=0)

SERIAL PORT 1 INTERRUPT SELECTION					
Setting	**JP1/A**	**JP1/B**	**JP1/C**	**JP1/D**	**JP1/E**
IRQ2/9	Open	Open	Open	Open	Open
IRQ3	Open	Open	Open	Open	Open
í IRQ4	Open	Open	Open	Open	Open
IRQ5	Open	Open	Open	Open	Open
IRQ6	Open	Open	Open	Open	Open
IRQ7	Open	Open	Open	Open	Open
IRQ10	Open	Open	Open	Open	Closed
IRQ11	Open	Open	Open	Closed	Open
IRQ12	Open	Open	Closed	Open	Open
IRQ14	Open	Closed	Open	Open	Open
IRQ15	Closed	Open	Open	Open	Open
Disabled	Open	Open	Open	Open	Open

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SERIAL PORT 1 INTERRUPT SELECTION (CON'T)						
Setting	**JP1/F**	**JP1/G**	**JP1/H**	**JP1/I**	**JP1/J**	**JP1/K**
IRQ2/9	Open	Open	Open	Open	Open	Closed
IRQ3	Open	Open	Open	Open	Closed	Open
í IRQ4	Open	Open	Open	Closed	Open	Open
IRQ5	Open	Open	Closed	Open	Open	Open
IRQ6	Open	Closed	Open	Open	Open	Open
IRQ7	Closed	Open	Open	Open	Open	Open
IRQ10	Open	Open	Open	Open	Open	Open
IRQ11	Open	Open	Open	Open	Open	Open
IRQ12	Open	Open	Open	Open	Open	Open
IRQ14	Open	Open	Open	Open	Open	Open
IRQ15	Open	Open	Open	Open	Open	Open
Disabled	Open	Open	Open	Open	Open	Open

SERIAL PORT 2 INTERRUPT SELECTION					
Setting	**JP2/A**	**JP2/B**	**JP2/C**	**JP2/D**	**JP2/E**
IRQ2/9	Open	Open	Open	Open	Open
í IRQ3	Open	Open	Open	Open	Open
IRQ4	Open	Open	Open	Open	Open
IRQ5	Open	Open	Open	Open	Open
IRQ6	Open	Open	Open	Open	Open
IRQ7	Open	Open	Open	Open	Open
IRQ10	Open	Open	Open	Open	Closed
IRQ11	Open	Open	Open	Closed	Open
IRQ12	Open	Open	Closed	Open	Open
IRQ14	Open	Closed	Open	Open	Open
IRQ15	Closed	Open	Open	Open	Open
Disabled	Open	Open	Open	Open	Open

SERIAL PORT 2 INTERRUPT SELECTION (CON'T)						
Setting	**JP2/F**	**JP2/G**	**JP2/H**	**JP2/I**	**JP2/J**	**JP2/K**
IRQ2/9	Open	Open	Open	Open	Open	Closed
í IRQ3	Open	Open	Open	Open	Closed	Open
IRQ4	Open	Open	Open	Closed	Open	Open
IRQ5	Open	Open	Closed	Open	Open	Open
IRQ6	Open	Closed	Open	Open	Open	Open
IRQ7	Closed	Open	Open	Open	Open	Open
IRQ10	Open	Open	Open	Open	Open	Open
IRQ11	Open	Open	Open	Open	Open	Open
IRQ12	Open	Open	Open	Open	Open	Open
IRQ14	Open	Open	Open	Open	Open	Open
IRQ15	Open	Open	Open	Open	Open	Open
Disabled	Open	Open	Open	Open	Open	Open

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SERIAL PORT CLOCK SPEED				
Setting	**Multiplier**	**JP3/A**	**JP3/B**	**JP3/C**
1.8342MHz	1	Closed	Open	Open
3.6864MHz	2	Open	Closed	Open
7.3728MHz	4	Open	Open	Closed

SERIAL PORT 1 CONFIGURATION	
Setting	**JP4**
DTE	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10, 11 &12, 13 & 14, 15 & 16, 17 & 18, 19 & 20 closed
DCE	Pins 1 & 3, 2 & 4, 5 & 7, 6 & 8, 9 & 11, 10 & 12, 13 & 15, 14 & 16, 17 & 18, 19 & 20 closed

SERIAL PORT 2 CONFIGURATION	
Setting	**JP5**
DTE	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10, 11 &12, 13 & 14, 15 & 16, 17 & 18, 19 & 20 closed
DCE	Pins 1 & 3, 2 & 4, 5 & 7, 6 & 8, 9 & 11, 10 & 12, 13 & 15, 14 & 16, 17 & 18, 19 & 20 closed