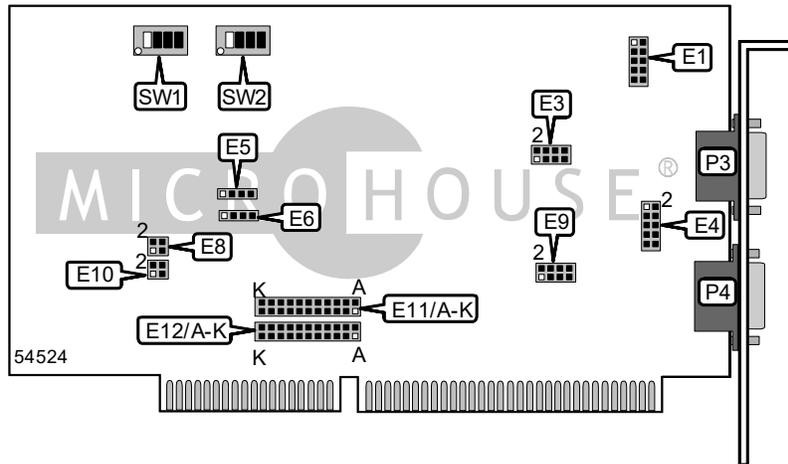


SEALEVEL SYSTEMS, INC. ULTRA SIO (P/N 3089), ULTRA SIO (P/N3189)

Card Type	Serial card
Chip Set	Unidentified
Maximum Onboard Memory	Unidentified
I/O Options	Serial port (2)
Hard Drives supported	None
Floppy drives supported	None
Data Bus	16-bit ISA
Card Size	Full-length, full-height



CONNECTIONS			
Function	Label	Function	Label
Serial Port 1	P3	Serial Port 2	P4

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Port 1 RTS enabled (RS-485)	E8	Pins 2 & 4 closed
Port 1 auto enabled (RS-485)	E8	Pins 1 & 3 closed
Port 2 RTS enabled (RS-485)	E10	Pins 2 & 4 closed
Port 2 auto enabled (RS-485)	E10	Pins 1 & 3 closed

BASE I/O ADDRESS SELECTION PORT 1				
Setting	SW1/1	SW1/2	SW1/3	SW1/4
2A0h	Off	On	On	On
2E8h	On	Off	Off	On
2F8h	On	On	Off	On
300h	Off	On	Off	On
328h	Off	Off	On	On
3E8h	On	Off	On	On
3F8h	On	On	On	On
Disabled	Off	Off	Off	Off

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BASE I/O ADDRESS SELECTION PORT 2				
Setting	SW2/1	SW2/2	SW2/3	SW2/4
2A0h	Off	On	On	On
2E8h	On	Off	Off	On
í 2F8h	On	On	Off	On
300h	Off	On	Off	On
328h	Off	Off	On	On
3E8h	On	Off	On	On
3F8h	On	On	On	On
Disabled	Off	Off	Off	Off

SERIAL PORT 1 INTERRUPT SELECTION					
IRQ	E11/A	E11/B	E11/C	E11/D	E11/E
2/9	Closed	Open	Open	Open	Open
3	Open	Closed	Open	Open	Open
í 4	Open	Open	Closed	Open	Open
5	Open	Open	Open	Closed	Open
6	Open	Open	Open	Open	Closed
7	Open	Open	Open	Open	Open
10	Open	Open	Open	Open	Open
11	Open	Open	Open	Open	Open
12	Open	Open	Open	Open	Open
14	Open	Open	Open	Open	Open
15	Open	Open	Open	Open	Open

SERIAL PORT 1 INTERRUPT SELECTION (CON'T)						
IRQ	E11/F	E11/G	E11/H	E11/I	E11/J	E11/K
2/9	Open	Open	Open	Open	Open	Open
3	Open	Open	Open	Open	Open	Open
í 4	Open	Open	Open	Open	Open	Open
5	Open	Open	Open	Open	Open	Open
6	Open	Open	Open	Open	Open	Open
7	Closed	Open	Open	Open	Open	Open
10	Open	Closed	Open	Open	Open	Open
11	Open	Open	Closed	Open	Open	Open
12	Open	Open	Open	Closed	Open	Open
14	Open	Open	Open	Open	Closed	Open
15	Open	Open	Open	Open	Open	Closed

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SERIAL PORT 2 INTERRUPT SELECTION

IRQ	E12/A	E12/B	E12/C	E12/D	E12/E
2/9	Closed	Open	Open	Open	Open
3	Open	Closed	Open	Open	Open
4	Open	Open	Closed	Open	Open
5	Open	Open	Open	Closed	Open
6	Open	Open	Open	Open	Closed
7	Open	Open	Open	Open	Open
10	Open	Open	Open	Open	Open
11	Open	Open	Open	Open	Open
12	Open	Open	Open	Open	Open
14	Open	Open	Open	Open	Open
15	Open	Open	Open	Open	Open

SERIAL PORT 2 INTERRUPT SELECTION (CON'T)

IRQ	E12/F	E12/G	E12/H	E12/I	E12/J	E12/K
2/9	Open	Open	Open	Open	Open	Open
3	Open	Open	Open	Open	Open	Open
4	Open	Open	Open	Open	Open	Open
5	Open	Open	Open	Open	Open	Open
6	Open	Open	Open	Open	Open	Open
7	Closed	Open	Open	Open	Open	Open
10	Open	Closed	Open	Open	Open	Open
11	Open	Open	Closed	Open	Open	Open
12	Open	Open	Open	Closed	Open	Open
14	Open	Open	Open	Open	Closed	Open
15	Open	Open	Open	Open	Open	Closed

SERIAL INTERRUPT MODE SELECTION PORT 1

IRQ	E5
Normal interrupt mode	Pins 1 & 2 closed
Shared interrupt mode without resistor	Pins 2 & 3 closed
Shared interrupt mode with pull-down resistor	Pins 3 & 4 closed

SERIAL INTERRUPT MODE SELECTION PORT 2

IRQ	E6
Normal interrupt mode	Pins 1 & 2 closed
Shared interrupt mode without resistor	Pins 2 & 3 closed
Shared interrupt mode with pull-down resistor	Pins 3 & 4 closed

PORT 1 SELECTION

Function	Label	Position
Port 1 echo enabled (RS-485 2 wire mode)	E3	Pins 1 & 2 closed
Port 1 echo disabled (RS-485 2 wire mode)	E3	Pins 3 & 4 closed
Port 1 RS-422/485 always enabled	E3	Pins 5 & 6 closed
Port 1 RS-422/485 enabled by RTS	E3	Pins 7 & 8 closed

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PORT 2 SELECTION

Function	Label	Position
Port 2 echo enabled (RS-485 2 wire mode)	E9	Pins 1 & 2 closed
Port 2 echo disabled (RS-485 2 wire mode)	E9	Pins 3 & 4 closed
Port 2 RS-422/485 always enabled	E9	Pins 5 & 6 closed

Port 2 RS-422/485 enabled by RTS	E9	Pins 7 & 8 closed
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PORT 1 TERMINATION SELECTION		
Function	Label	Position
Port 1 TX+ & RX+ connected for two wire operation (RS-485)	E1	Pins 1 & 2 closed
Port 1 add 120 ohm termination	E1	Pins 3 & 4 closed
Port 1 TX- & RX- connected for two wire operation (RS-485)	E1	Pins 5 & 6 closed
Port 1 1K ohm pull-down resistor enabled (RS-422/485)	E1	Pins 7 & 8 closed
Port 1 1K ohm pull-up resistor enabled (RS-422/485)	E1	Pins 9 & 10 closed

PORT 2 TERMINATION SELECTION		
Function	Label	Position
Port 2 TX+ & RX+ connected for two wire operation (RS-485)	E4	Pins 1 & 2 closed
Port 2 add 120 ohm termination	E4	Pins 3 & 4 closed
Port 2 TX- & RX- connected for two wire operation (RS-485)	E4	Pins 5 & 6 closed
Port 2 1K ohm pull-down resistor enabled (RS-422/485)	E4	Pins 7 & 8 closed
Port 2 1K ohm pull-up resistor enabled (RS-422/485)	E4	Pins 9 & 10 closed

MISCELLANEOUS TECHNICAL NOTES
The Ultra SIO comes in both isolated ground (P/N 3189) and non-isolated ground (P/N 3089) types. The settings are the same for both.