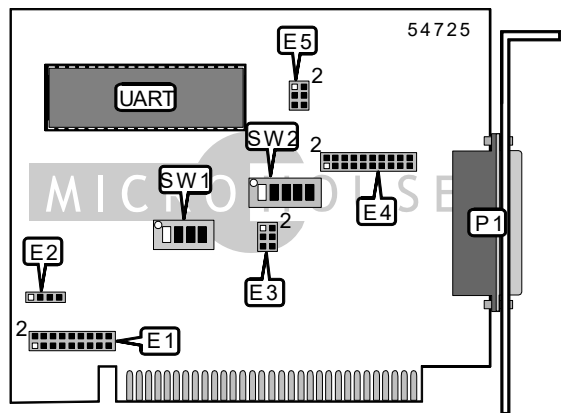# INDUSTRIAL COMPUTER SOURCE
ULTRA-485

Card Type   Serial card
Chip Set   Unidentified
I/O Options   Serial port
Data Bus   8-bit ISA

CONNECTIONS	
Function	**Label**
Serial port via DB-25 connector	P1

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Port mode select normal	E2	Pins 1 & 2 closed
Port mode select shared	E2	Pins 2 & 3 closed
Port mode select shared with pull down resistor	E2	Pins 3 & 4 closed
100 ohm termination enabled	SW2/1	On
100 ohm termination disabled	SW2/1	Off
1K ohm pull up resistor enabled	SW2/2	On
1K ohm pull up resistor disabled	SW2/2	Off
1K ohm pull down resistor enabled	SW2/3	On
1K ohm pull down resistor disabled	SW2/3	Off
Connects TX+ to RX+ for RS-485 two wire operation	SW2/4	Unidentified
Connects TX- to RX- for RS-485 two wire operation	SW2/5	Unidentified

Continued on next page. . .

INDUSTRIAL COMPUTER SOURCE
ULTRA-485

ADDRESS SELECTION				
Setting	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
Disabled	On	On	On	On
3F8	On	On	On	Off
2F8	On	On	Off	On
3E8	On	On	Off	Off
2E8	On	Off	On	On
3220	On	Off	On	Off
3228	On	Off	Off	On
4220	On	Off	Off	Off
4228	Off	On	On	On
238	Off	On	On	Off
300	Off	On	Off	On
308	Off	On	Off	Off
280	Off	Off	On	On
288	Off	Off	On	Off
290	Off	Off	Off	On
298	Off	Off	Off	Off

SERIAL PORT INTERRUPT SELECTION	
IRQ	**E1**
2	Pins 1 & 2 closed
3	Pins 3 & 4 closed
í 4	Pins 5 & 6 closed
5	Pins 7 & 8 closed
7	Pins 9 & 10 closed
10	Pins 11 & 12 closed
11	Pins 13 & 14 closed
12	Pins 15 & 16 closed
15	Pins 17 & 18 closed

RS-485 DRIVER CIRCUIT SELECTION	
Setting	**E5**
Driver enabled/disabled	Pins 1 & 2 closed
Driver enabled by UART RTS signal	Pins 3 & 4 closed
Driver always enabled	Pins 5 & 6 closed

INDUSTRIAL COMPUTER SOURCE
ULTRA-485

RS-485 RECEIVER CIRCUIT SELECTION	
Setting	**E3**
Receiver enabled/disabled	Pins 1 & 2 closed
Receiver enabled by UART RTS signal	Pins 3 & 4 closed
Receiver always enabled	Pins 5 & 6 closed

EIA-530/SIO-485 SELECTION	
Setting	**E4**
EIA-530	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10 closed
SIO-485	Pins 11 & 12, 13 & 14, 15 & 16, 17 & 18, 19 & 20 closed