Connection of Heber Isolated RS485 – 01-14536-3 to a Nucleus N500/N1000 or any PC RS232 serial port.

Please see Manual 80-15611-1 for further details on RS485 boards.

The below connection will convert a RS232 serial port into an RS485 for connection to Pluto or other product.

Output from N500 Serial port			P3 Input 6 Way 0.1" Header			P1B	
9 Way Dtype	Desc		P3 Input	Desc	Connection	Output	Function
1 Carrier Detect	Not used		1	TX Enable	From N500 CTS	1	GND
2 RXD	Connect to P3 Pin 3		2	TX	From N500 TXD	2	Rs485 A
3 TXD	Connect to P3 Pin 2		3	RX	From N500 RXD	3	Rs485 B
4 DTR	Not used		4	GND	From N500 GND	4	GND
5 GND	Connect to P3 Pin 4		5	Not used			
6 DSR	Not used		6	12V DC	12v Supply		
7 RTS	Join to CTS Pin 8						
8 CTS	Join To RTS Pin 7 connect to P3 Pin 1						
9 RI	Not used						

You can use another of the above to convert back into RS232 for checking connections, use a Terminal program to test the RS485 link.

The output can be connected to a Pluto 6 Port P23 (RS485).