

Motor Controller Unit – Front connectors

Each controller has three connectors: D1, D2, and D3, positioned horizontally from right to left. All 9 pin DSUB female.

MCU connector IMS483I connector P1

D1

1 – Jog 1 Y	may connect to another controller in case of X-Y joystick
2 – Jog 2 Y	may connect to another controller in case of X-Y joystick
3 – Jog 1 X	33
4 – Jog Speed	13
5 – Jog 2 X	11
6 - +5V	25
7,8 – not used	
9 – GND	27

D2

1 – Lim B	10
2 - ~B	5 (P2)
3 – GND	27
4 – B	6 (P2)
5 – Lim A	4
6 – A	8 (P2)
7 – Home	12
8 - ~A	7 (P2)
9 - +5V	(25)

D3

<i>Jumper configuration 1</i>		or	<i>Jumper configuration 2</i>	
1	Home 12	or	In2	30
2	Lim B 10	or	Out1	9
3	power ground (3 in P2)			
4	Lim A 4	or	In3	7
5			In1	20
6			Out3	28
7	GND 27			
8	+5V 25			
9			Out2	5

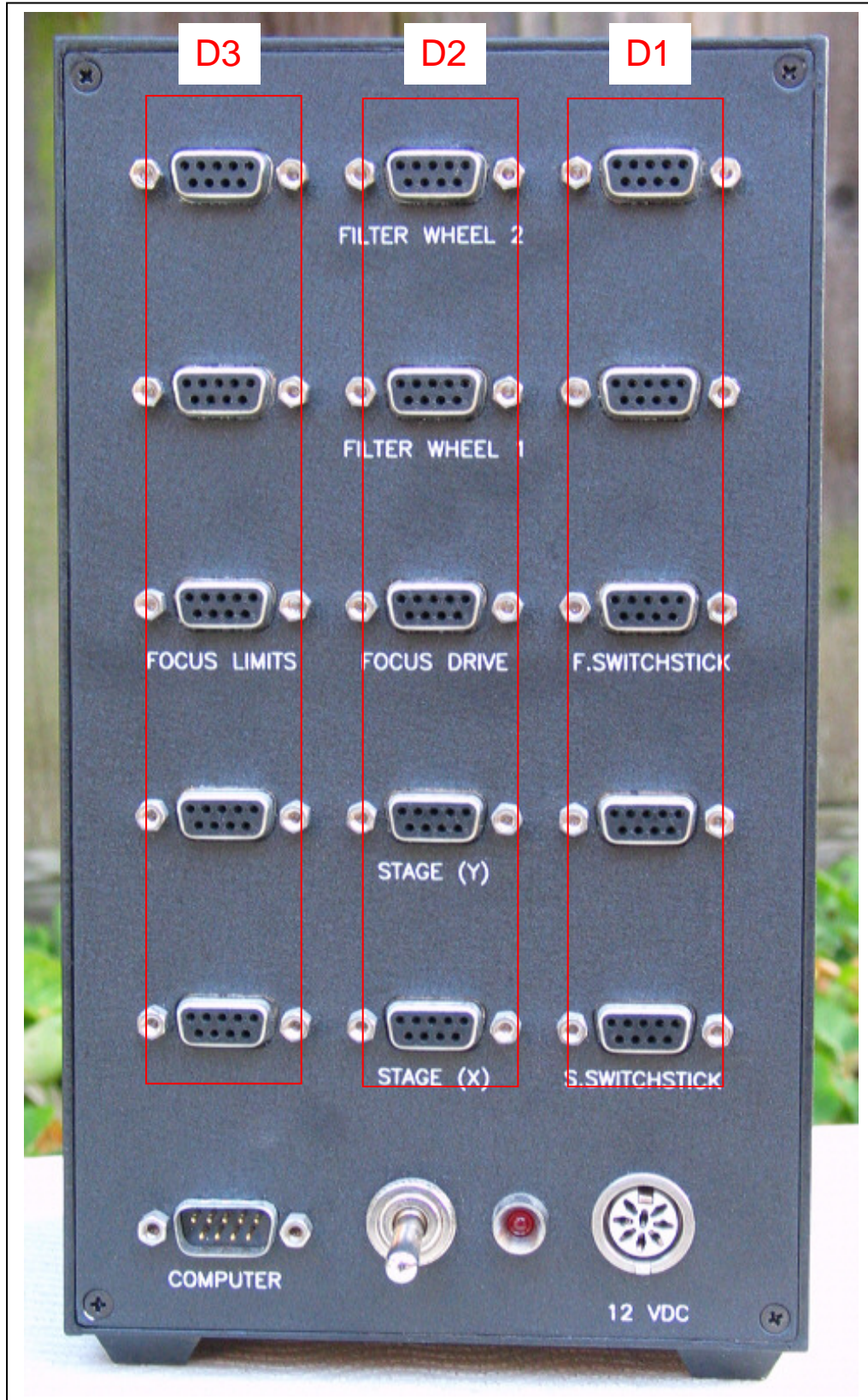
Computer (9 pin DSUB male for RS422)

1	RD(B)/TX+	18
2	TD(B)/RX+	19
3	GROUND	27
4	TD(A)/RX-	2
5	RD(A)/TX-	1

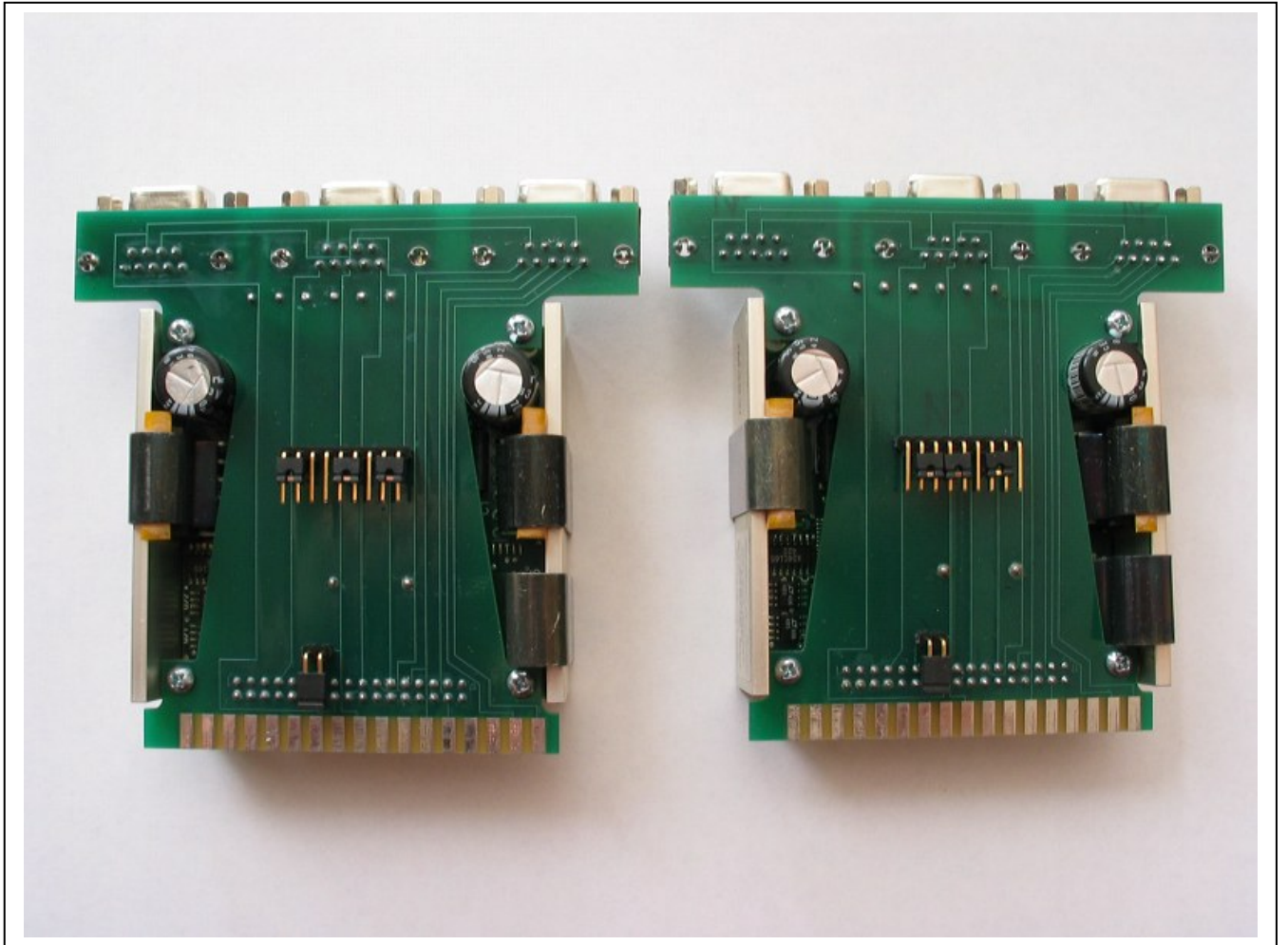
Power (8 pin DIN round with lock)

3,5,7	+12V
1,4,6	GND
2,8,barrel	AC GND

MCU Front Panel



Jumper configurations



Jumper configuration 1

Jumper configuration 2