O5 B	O5 A	O4 B	O4 A	O3 +	O3 -	O2 +	O2 -	O1 +	O1 -	O0 +	O0 -	In CO	In 10	In 09	In 08	In 07	In 06	In 05	In 04	In 03	In 02	In 01	In 00

Output						Output						In CO	Input					Input					
O5B	O5A	O4B	O4A	O3+	O3-	O2+	O2-	O1+	O1-	O0+	O0-	Com	10	09	08	07	06	05	04	03	02	01	00

Spn +	Spn Out	Spn -	NC	+5V	TX -	TX +	RX -	RX +	GND	IDX -	IDX +	+5V	Enc B-	Enc B+	GND	Enc A-	Enc A+	+5V	Dir+ 4	Dir- 4	Stp+ 4	Stp- 4	GND

Spindle				Serial					Encoder								Step CH4					
Spn+	Spn Out	Spn-	NC	+5V	TX-	TX+	RX-	RX	GND	IDX-	IDX+	+5V	En B-	En B+	GND	En A-	En A+	+5V	Dir+	Dir-	Stp+	Stp-	GND

+5V	Dir+ 3	Dir- 3	Stp+ 3	Stp- 3	GND	+5V	Dir+ 2	Dir- 2	Stp+ 2	Stp- 2	GND	+5V	Dir+ 1	Dir- 1	Stp+ 1	Stp- 1	GND	+5V	Dir+ 0	Dir- 0	Stp+ 0	Stp- 0	GND

Step CH3						Step CH2						Step CH1						Step CH0					
+5V	Dir+	Dir-	Stp+	Stp-	GND	+5V	Dir+	Dir-	Stp+	Stp-	GND	+5V	Dir+	Dir-	Stp+	Stp-	GND	+5V	Dir+	Dir-	Stp+	Stp-	GND