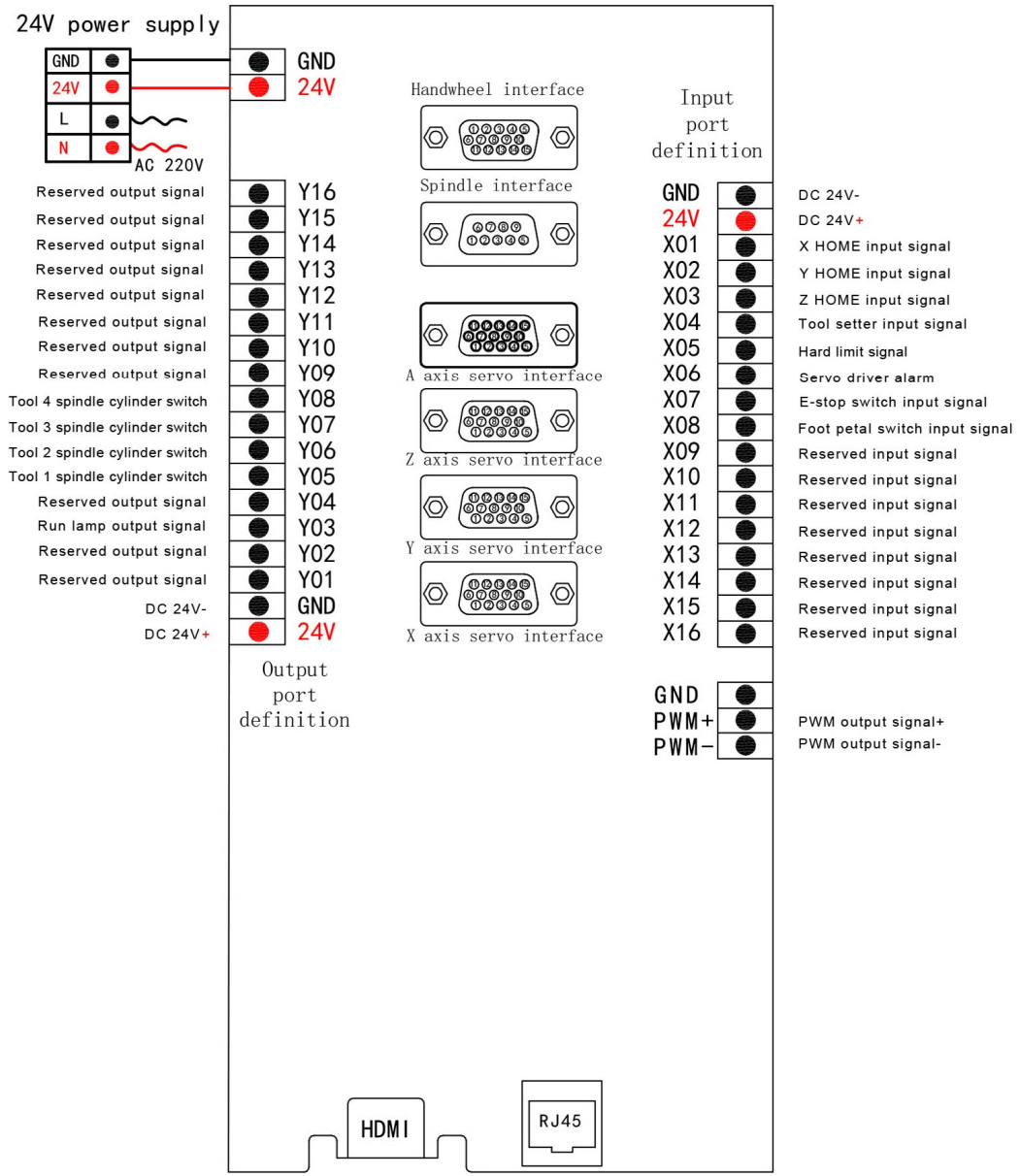
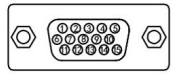
B55 Servo Board Wiring Diagram



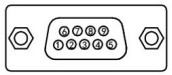
Handwheel interface



Handwheel interface pin definition

1	HX1	handwheel speed ratio X1
2	HX10	handwheel speed ratio X10
3	HX100	handwheel speed ratio X100
4	GND	return circuit ground
5	5V	5V
6	ESTOP	handwheel E-stop switch
7	HSX	handwheel axis selection X
8	HSY	handwheel axis selection Y
9	HSZ	handwheel axis selection Z
10	HS4	handwheel axis selection 4
11	HA+	handwheel encoder A+
12	HA−	handwheel encoder A−
13	HB+	handwheel encoder B+
14	HB−	handwheel encoder B−
15	HS5	handwheel axis selection 5

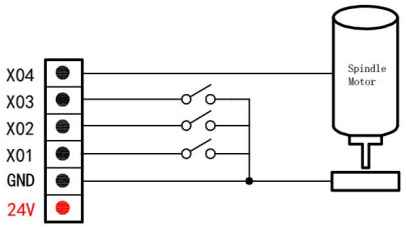
Spindle interface



Spindle interface pin definition

1		N/A
2	INALM2	Inverter alarm input 2
3	SP CCW	SP CCW(SP2 CW)
4	SP CW	SP CW(SP1 CW)
5		N/A
6	OA1	Spindle anolog output 1
7	OA2	Spindle anolog output 2
8	INALM1	Interver alarm input 1
9	GND	Return circuit ground

Mechanical HOME switch

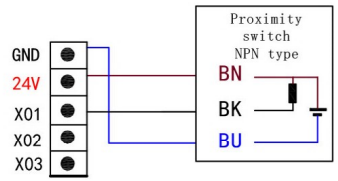


X axis servo interface

Servo axis interface pin definition

1	A+	servo encoder A+
2	A−	servo encoder A−
3	B+	servo encoder B+
4	B−	servo encoder B−
5	C+	servo encoder C+
6	24V	24V+
7	C−	servo encoder C−
8	ALM	servo alarm input
9	SRV_ON	servo enable
10	SRV_CLR	servo alarm clear
11	PULS+	pulse difference+
12	PULS−	pulse difference−
13	STGN+	pulse direction+
14	STGN−	pulse direction−
15	GND	24V return ground

Photoelectric HOME switch



Model No.	B55 Multi-spindle motion control system
Company name	Beijing RichAuto S&T Co., Ltd