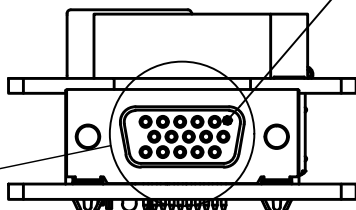
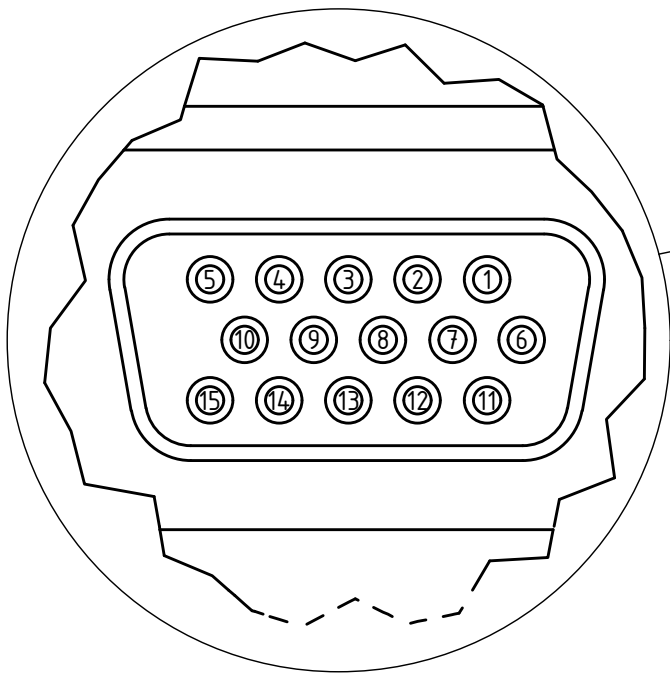




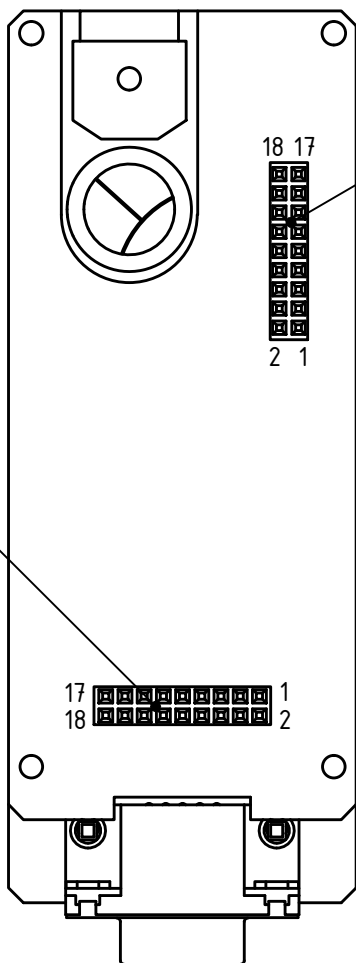
Circuit Card Assembly  
Wiring Diagram

8SMC5-USB



Connector HDB15(F)

Pin	Function
1	Not phase B of SM or - DC of the motor
2	Phase B of SM or + DC of the motor
3	Not phase A of SM or - DC of the motor
4	Phase A of SM or + DC of the motor
5	5V / 500mA - stabilized output for encoder power supply
6	One-wire interface for positioner identification (for Standa hardware only)
7	Logic ground for limit switches, encoder, etc.
8	2nd limit switch
9	1st limit switch
10	Encoder channel A
11	Encoder channel B
12	Revolution sensor input
13	Inverted Encoder channel A
14	Inverted Encoder channel B
15	Inverted revolution sensor input



Connector BPC (18 pin)

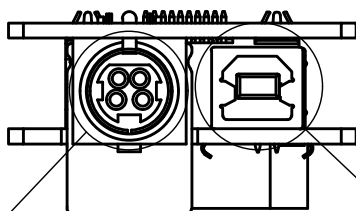
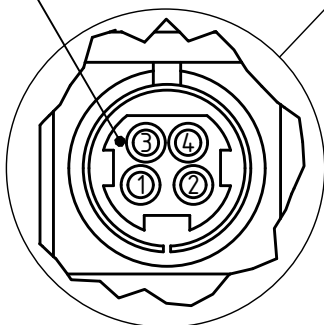
Pin	Function
1	Reserved
2	RX, serial port, 3.3V logic
3	Reserved
4	TX, serial port, 3.3V logic
5	EN0RXI_P, Ethernet TX +
6	A Direction signal for external driver control, 3.3V logic
7	Reserved
8	A Clock signal for external driver control, 3.3V logic
9	Reserved
10	Synchronization output, 3.3V logic
11	Reserved
12	Synchronization input, 3.3V logic
13	An output for magnetic brake control, 3.3V logic
14	Not used
15	BUT_R, an external "Right" button
16	5V output
17	BUT_L, an external "Left" button
18	Digital GND for 3.3V and 5V

Connector BPC (18 pin)

Pin	Function
1	Power GND
2	Joy, an analog 0-3 V input used for external joystick connection
3	Power GND
4	Pot, an analog 0-3 V input used for general purpose
5	Power GND
6	A common input/output (or an Enable signal if an external driver is used), 3.3V logic
7	Power +12V...+48V
8	U_LED, A LED Power output displaying 3.3V power supply for controller
9	Power +12V...+48V
10	L_LIM, A LED output for left limit switch
11	Power+12V...+48V
12	R_LIM, A LED output for right limit switch
13	USB_SEL, selecting USB device in Multi-axis system
14	A common input/output EXTGPIO1, 3.3V logic
15	USB_D0_N, negative out of USB Slave
16	H_USB_D0_N, negative out of USB Master
17	USB_D0_P, positive out of USB Slave
18	H_USB_D0_P, positive out of USB Master

KPPX-4P DC power connector

Pin	Function
1	Power, "-"
2	Power, "+". 12-48V
3	Power, "-"
4	Power, "+". 12-48V



USB Type B Connector

Pin	Name	Wire color	Function
1	VCC	Red	+5 VDC
2	D-	White	Data -
3	D+	Green	Data +
4	GND	Black	Ground

