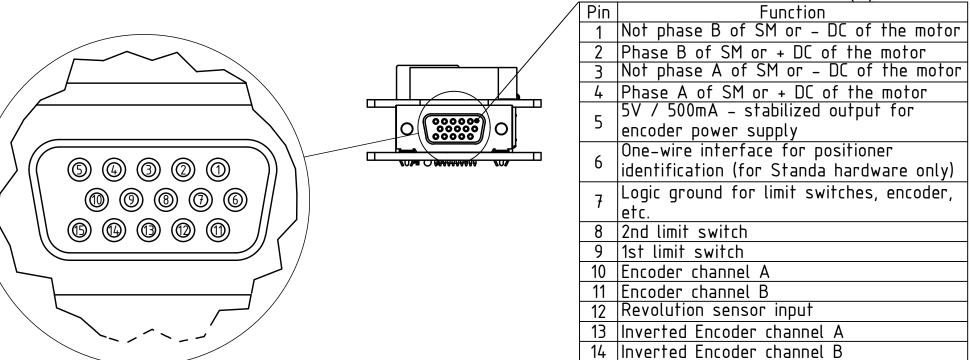
P.O. Box 377

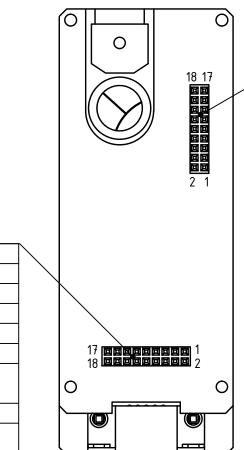


Circuit Card Assembly Wiring Diagram

8SMC5-USB

Connector HDB15(F)





Connector BPC ((18	pin))
,		/	,

15 Inverted revolution sensor input

	Connector BPC (18 pin)					
1	Pin	Function				
	1	Power GND				
	2	Joy, an analog 0–3 V input used for external joystick connection				
	3	Power GND				
	ر	Pot, an analog 0–3 V input used for				
	4	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 EXTGPI01, 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				

Connector BPC (18 pin) Function

1	Reserved			
2	RX, serial port, 3.3V logic			
3	Reserved			

4 TX, serial port, 3.3V logic 5 ENORXI P, Ethernet TX +

A Direction signal for external driver control, 3.3V logic

7 Reserved

Pin

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

An output for magnetic brake control,

¹³ |3.3V logic

14 Not used

15 BUT_R, an external "Right" button

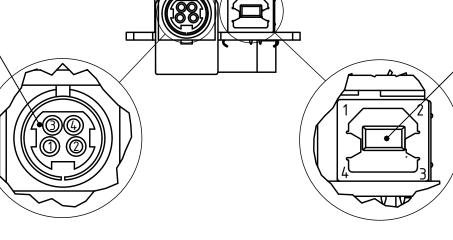
16 5V output

17 BUT_L, an external "Left" button

18 Digital GND for 3.3V and 5V

KPPX-4P DC power connector	KPPX-4P	DC p	ower	connecto	r
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Pin	Function		
1	+ 12-48V		
2	Ground		
3	+ 12-48V		
4	Ground		



<u> </u>		J	ypo B Commodion		
_	Pin	Name	Wire color	Function	
	1	VCC	Red	+5 VDC	
	2	D-	White	Data -	
	3	D+	Green	Data +	
	4	GND	Black	Ground	

USB Type B Connector