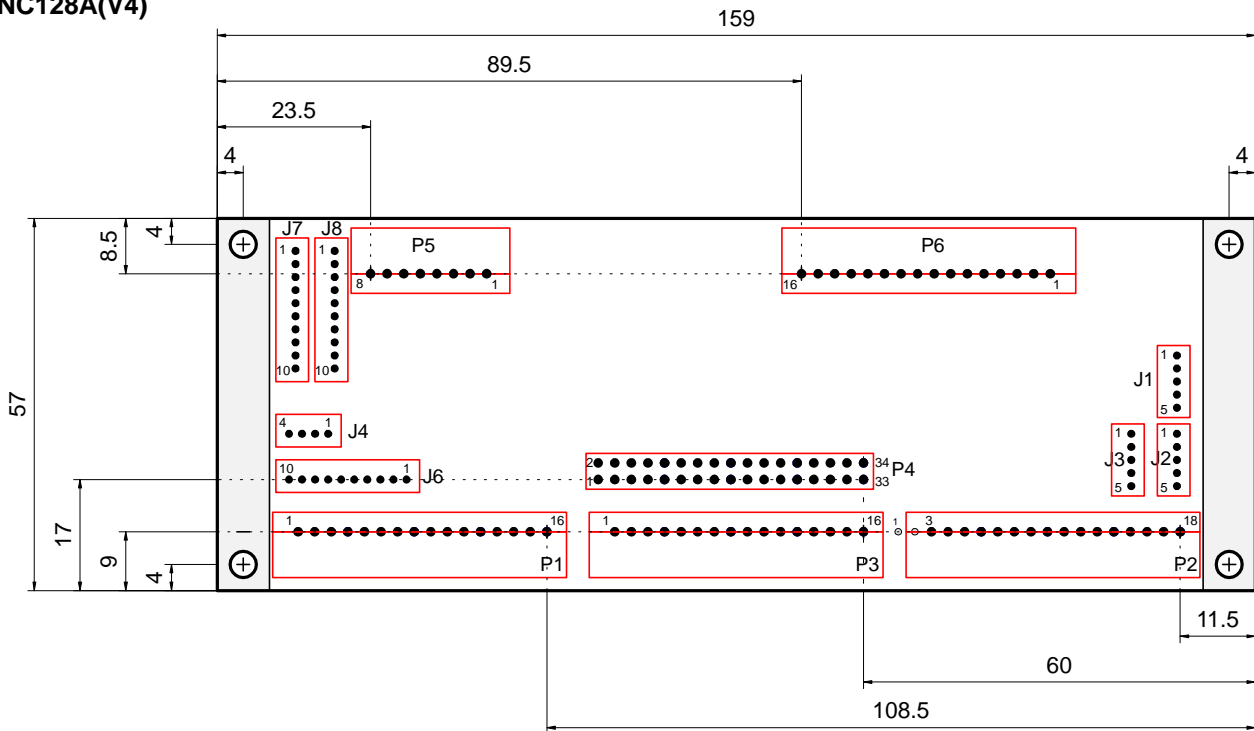


# Pin connections of keyboard encoders

Ver. 1.0

## ENC128A(V4)



	KB-matrix P1	KB-matrix P2	KB-matrix P3	KB-matrix P4	KB-matrix P5	KB-matrix P6
1	SWCOM	Y14	Power	Y0	X0	Y0
2	SWR	Y15/SCL	R7(NumLED)	X0	X1	Y1
3	SWM	Y0	X5	Y1	X2	Y2
4	SWL	Y1	X4	X1	X3	Y3
5		Y2	X3	Y2	X4	Y4
6		Y3	X2	X2	X5	Y5
7	X0	Y4	X1	Y3	X6	Y6
8	X1	Y5	X0	X3	X7	Y7
9	X2	Y6	Y0	Y4		Y8
10	X3	R6(ScrollLED)	Y1	X4		Y9
11	X4	Y7	Y2	Y5		Y10
12	X5	Power	Y3	X5		Y11
13	X6	Y8	Y4	Y6		Y12
14	X7	Y9	Y5	X0		Y13
15	R7(NumLED)	Y10	Y6	R6(ScrollLED)		Y14
16	R8(CapsLED)	Y11	Y7	X1		Y15
17		Y12		Y7		
18		Y13		X2		
19				Power		
20				X3		
21				Y8		
22				X4		
23				Y9		
24				X5		
25				Y10		
26				X6		
27				Y11		
28				X7		
29				Y12		
30				R7(NumLED)		
31				Y13		
32				R8(CapsLED)		
33				Y14		
34				Y15/SCL		

	PS/2 keyboard output	ADB output	USB output	Switches TKB J1	Pointing Dev Input (+3switches) J2	Pointing Dev PS/2 Output J3	Pointing Dev Serial Output J4
1	Power	GND	GND	SWL	TBX1/East	*	Rx
2	*	D1(Power ON)	D-	SWM	TBX2/West	*	Tx
3	KeyClock	*	*	SWR	TBY1/North	Clock	DTR
4	KeyData	ADB1(Data)	D+	SWCOM	TBY2/South	Power	RTS
5	GND	Power	Power USB		SWL	GND	GND
6					SWM	Data	*
7					Power	*	*
8					SWR	*	*
9					SWCOM	*	*
10					GND	*	*

## ENC128STA

Same connections as the ENC128A. The ENC128STA has less connectors and not the ability to connect an external pointing device.