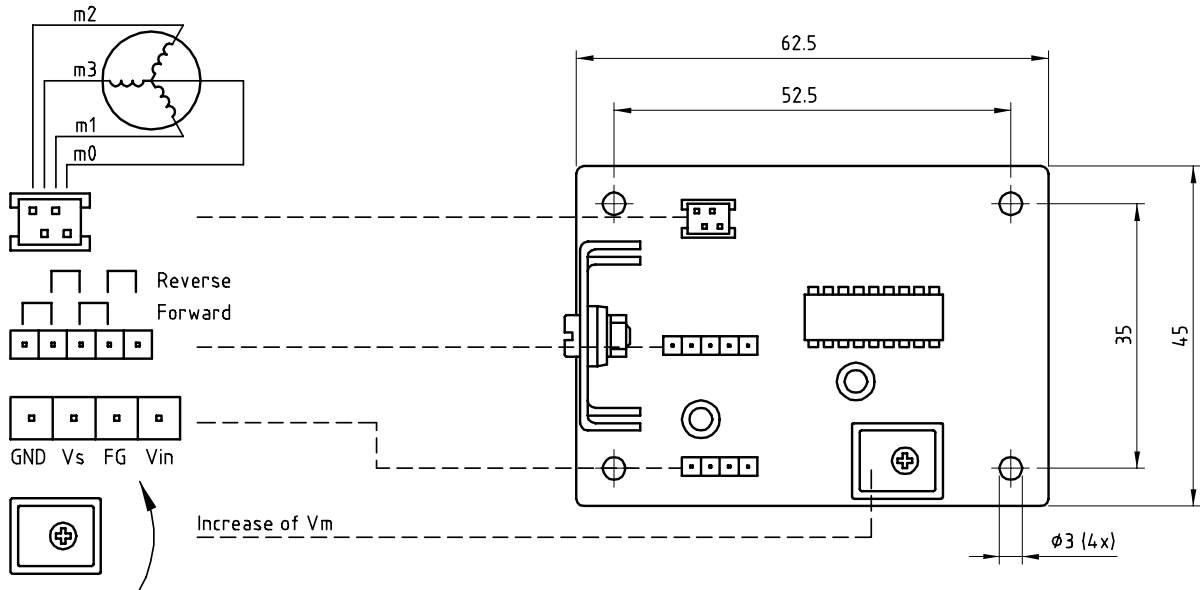


## Dimensional drawing



## Electrical Connection

Driver board order number		8222 011 21660	
Signal	Description		
Vs	Supply voltage Vs	[V]	5 -- 16
Vm	Motor voltage Vm	[V]	≤ Vs
<b>Motor voltage adjustment options:</b>			
	x Motor voltage adjustment with potentiometer (Vin not connected)		
Vin	x Input voltage Vin (set screw on potentiometer full c.w.) Vm=6.7xVin	[V]	0 -- 2.6
GND	Ground		
FG	Frequency Generator (open collector output, sink current max. 3 mA) 18 pulses per revolution, duty factor 50%		
	Motor current limitation	[mA]	330 approx.
mo	Centre tap for motor		
m1,m2,m3	Phase leads for motor		

## Features

- \* Demo board for BL21EE motors
- \* Brushless DC motor driver with sensorless commutation circuit, using back-EMF sensing Philips IC TDA 5140
- \* Adjustable motorspeed
- \* Current limitation
- \* Frequency Generator output (speed sensing)
- \* Direction of rotation: forward / reverse

## Product combinations

- \* BL21 EE Brushless DC motor