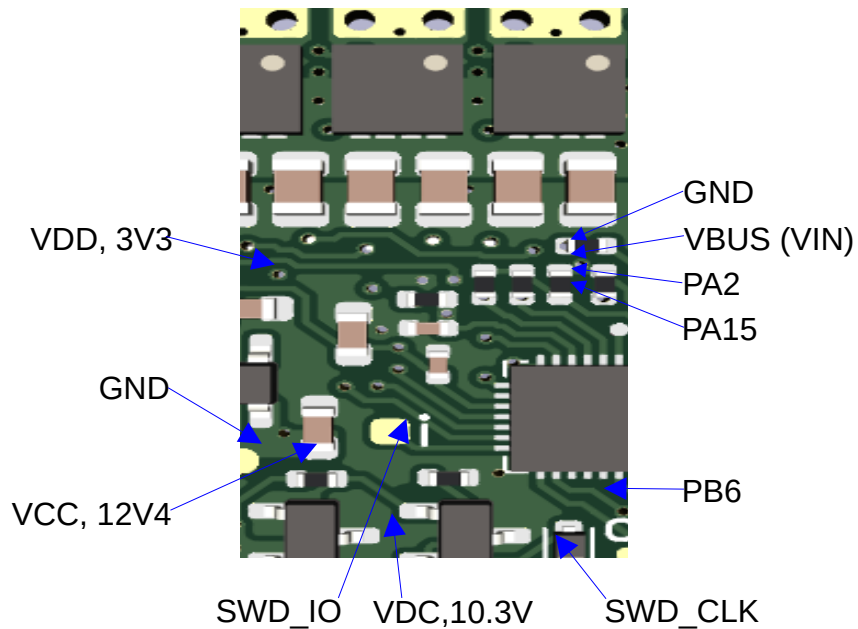


# Remora1 Production Test

Revision 0.0

December 2023

## Pad identification



## Procedure

setup / action	measure	expected result
visual inspection	check for no missing or misplaced parts, no bad joints or solder bridges	all OK
<b>Low Voltage Start &amp; Run</b>		
set power supply to 1.5V, but output off		
connect power supply to + & - terminals		
turn power supply output on	power supply current	43mA to 52mA
	VCC to GND	11.954V to 12.914V
	VDD to GND	3.234V to 3.366V
reduce power supply voltage to 1.25V	power supply current	75mA to 81mA
	VCC to GND	9V to 12.914V
<b>High Voltage Test</b>		
increase power supply voltage to 13.5V	power supply current	4.5mA to 7.5mA
	VDC to GND	8.7V to 12.7V
	VCC to GND	11.954V to 12.914V

<b>Memory Programming</b>		
programme the flash memory		
reduce power supply voltage to zero & turn off		
<b>Operation With Motor Connected</b>		
connect motor, make sure its mechanically secure		
turn power supply on		
slowly increase power supply voltage	check motor rotation	normal rotation
reduce power supply voltage to zero & turn off		
<b>Reverse Polarity Test</b>		
reverse connections to + & - terminals		
turn power supply on, increase power supply voltage to 13.5V	power supply current	<1.7mA
reduce power supply voltage to zero & turn off		
restore normal connections to + & - terminals		
turn power supply on, increase power supply voltage to 13V	check for motor rotation	normal rotation
<b>End of Tests</b>		
reduce power supply voltage to zero & turn off		
end		

#### Revision History

revision	date	changes
0.0	29 December 2023	initial draft, based on 2 prototypes with adaptor board
0.1	17 April 2024	changes based on Remora1 measurements. current at 1.5V revised 1.2V test revised to 1.25V, current revised, VCC to GND revised current at 13.5V revised