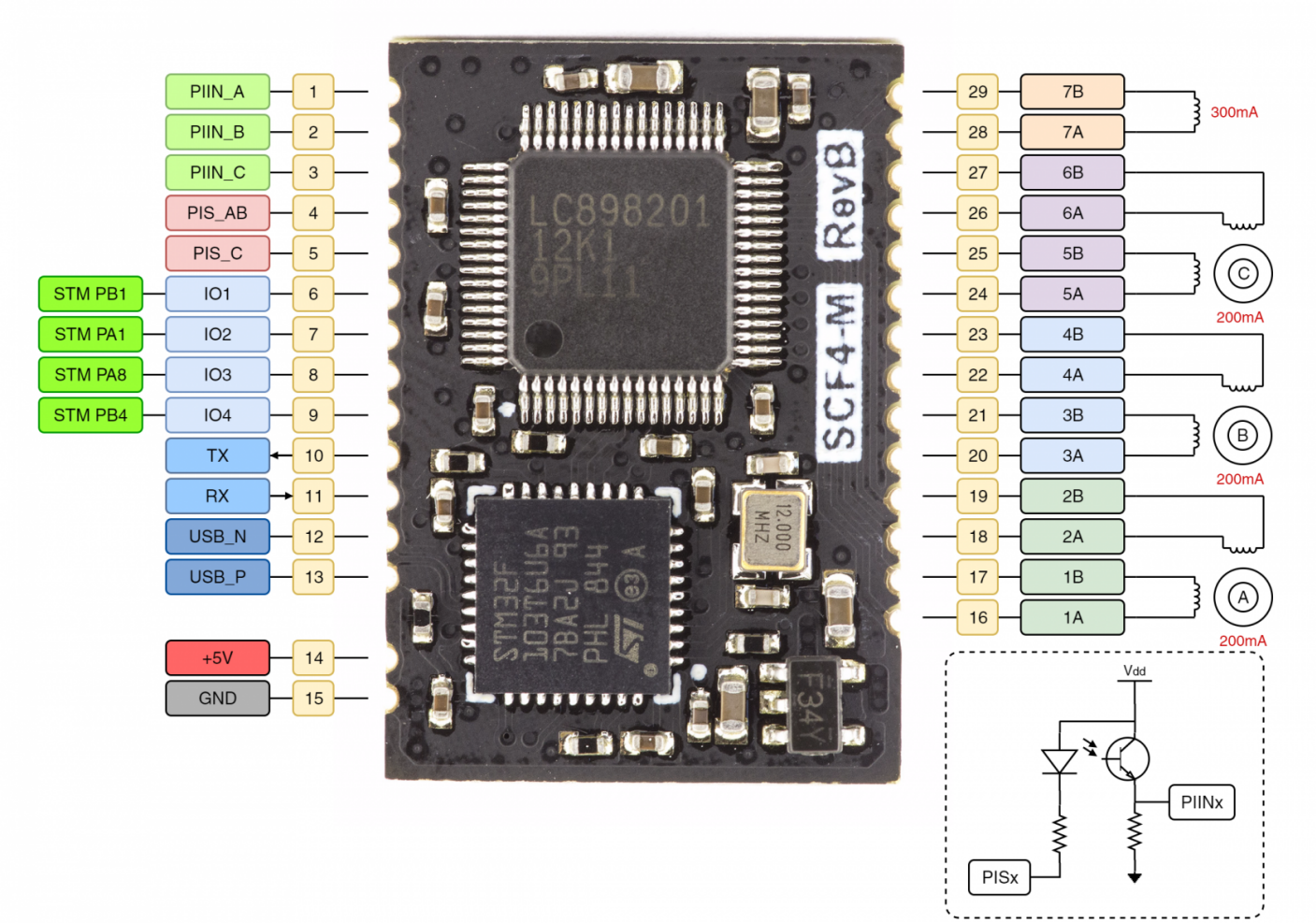
SCF4-M module

Pin description



Technical specifications

Module dimensions	16 x 23 x 2.3 mm [0.63 x 0.91 x 0.09 in]
Controlled stepper motors	3
Connectivity	**USB** (optional USART, I2C, SPI)
Module pin count	29

Stepper motor resolution	up to 1/1024 micro-steps (1/64 default)
PWM voltage levels for filter switch	H-Bridge (128 voltage levels)
Weight	0.9g
Power consumption (module only)	55mA @ 5V
Power consumption (operating x18 lens 2 motors)	180mA @ 5V

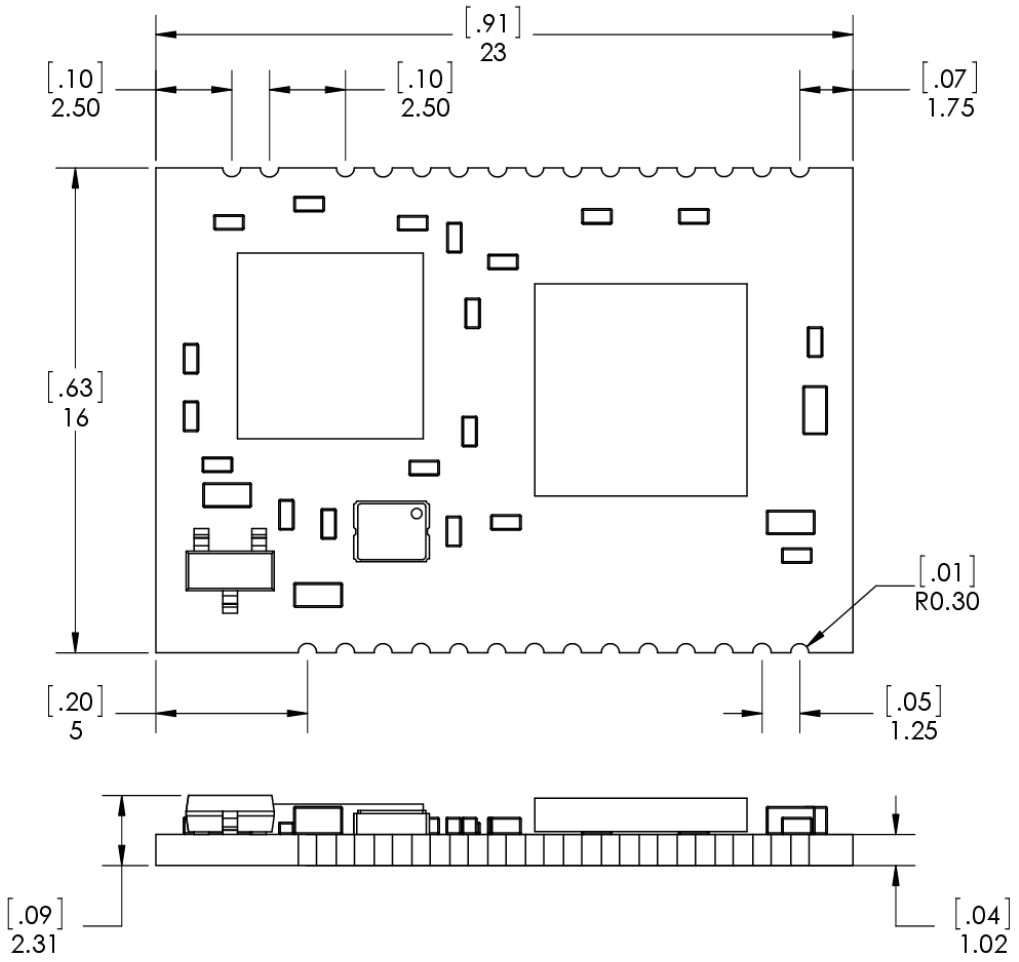
Absolute maximum ratings

Min supply voltage	4.3	V
Max supply voltage	7.0	V
Stepper motor max current	200	mA @ 5V
IR Filter coil max current	300	mA @ 5V

Operating parameters

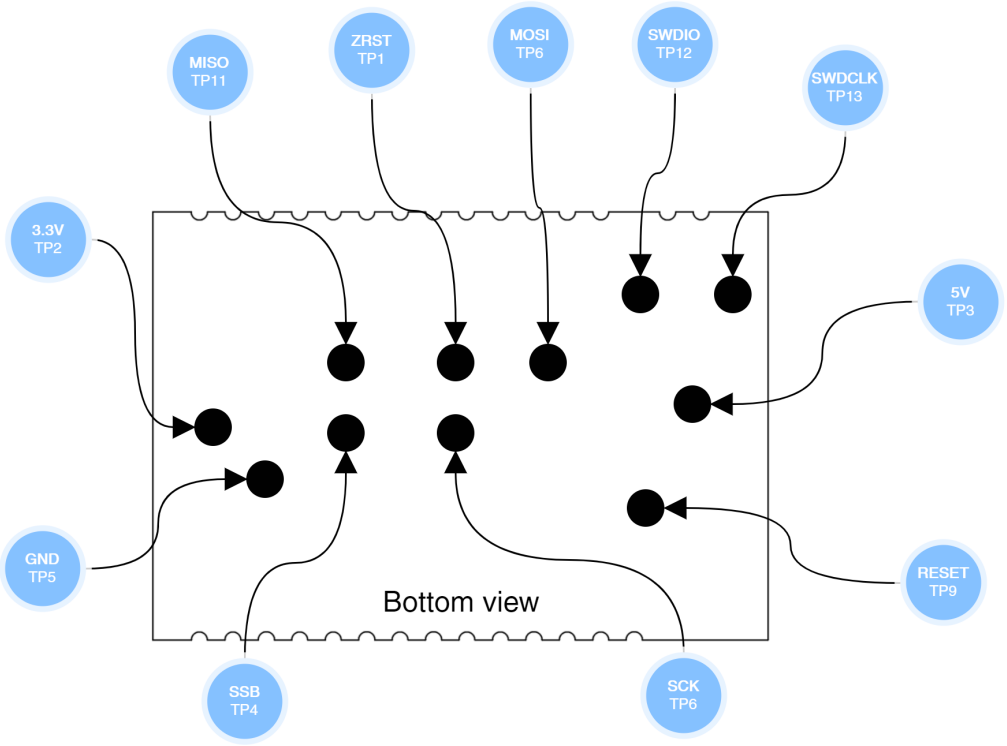
Operating voltage	4.5 ~ 5.5	V
Controller max current consumption	1	A @ 5V
Controller power rating	5	W
Relative Humidity	Non-Condensing	
Operating Temperature	-40 ~ 85	°C

Mechanical dimensions



Test points

For testing, flashing firmware and post-production purposes SCF4-M module has several test points.



For exact dimensions and locations check 3D STEP file.

Revision #20
Created 27 July 2020 17:45:53 by Saulius
Updated 24 March 2022 05:59:30 by Saulius