

Pin Map for the Feather M0 – Robotics 2018

Feather Pin	Pin Mode	Connection
A0	Output	Front Left Motor Direction (MC1, M1DIR)
A1	Output	Front Right Motor Direction (MC1, M2DIR)
A2	Output	Back Left Motor Direction (MC2, M1DIR)
A3	Output	Back Right Motor Direction (MC2, M2DIR)
A4	Input	IR Receiver
A5	Input w/ Pull-up	Start Button
SCK	Input w/ Pull-up	Kill Button
MOSI	Input w/ Pull-up	Dest A/C Limit Switches
MISO	-	-
RX	-	-
TX	-	-
D13	Output	Front Left Motor PWM (MC1, M1PWM)
D12	Output	Front Right Motor PWM (MC1, M2PWM)
D11	Output	Back Left Motor PWM (MC2, M1PWM)
D10	Output	Back Right Motor PWM (MC2, M2PWM)
D9	-	-
D6	Output	Captain's Wheel Trinket pin 4
D5	Input w/ Pull-up	Treasure Arm Limit Switches
SCL*	-	I2C Bus: LIDAR breakout boards, Treasure Arm Trinket (pins 0[SDA] and 2[SCL]), 7 Segment Display
SDA*	-	

*100kΩ pull-up resistors soldered to terminal block for I2C lines