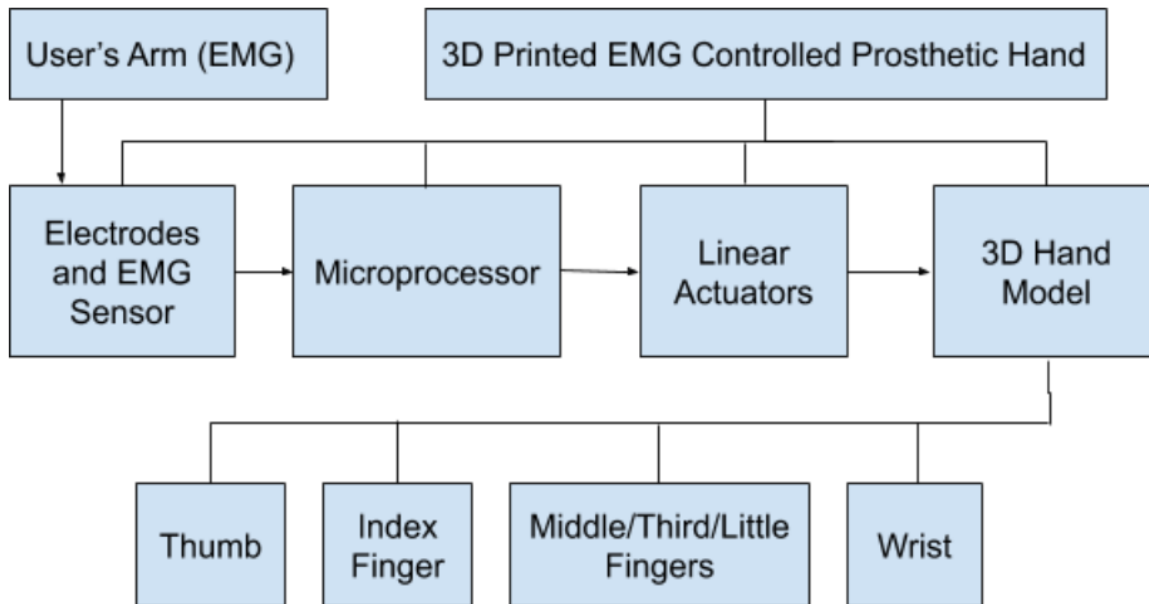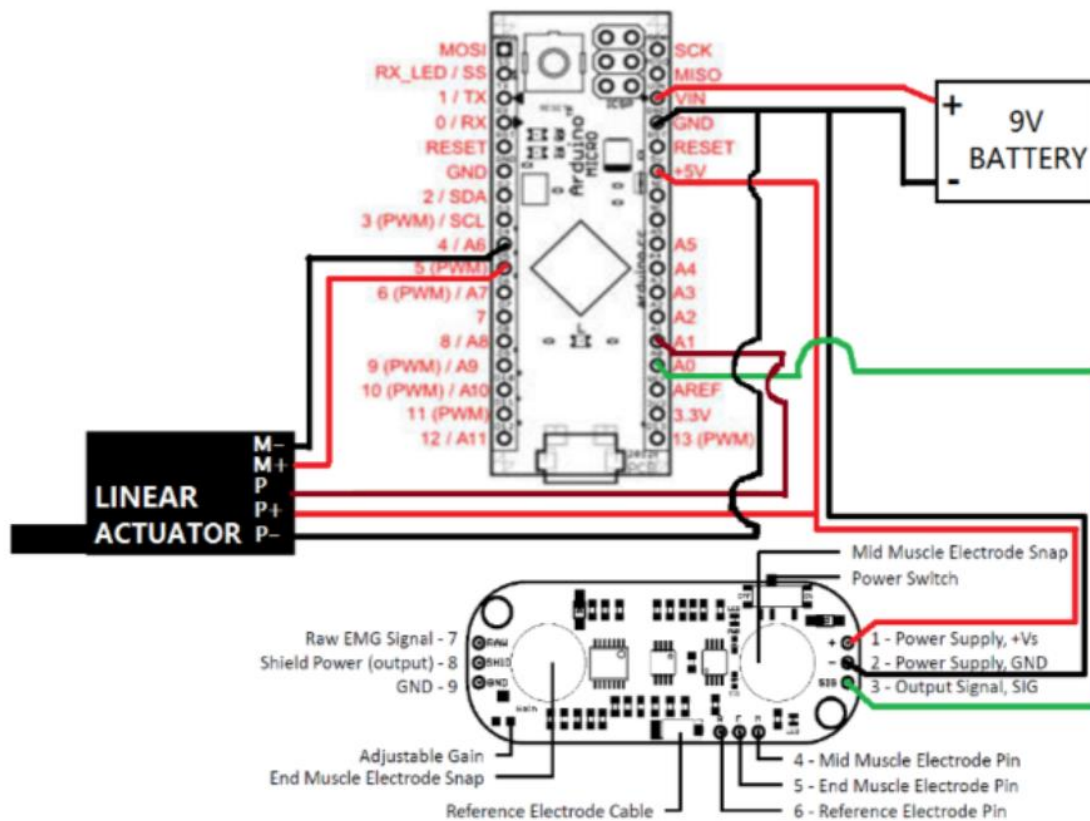# EMG CONTROLLED PROSTHETIC HAND

1.0 Overall System Structure

2.0 EMG Sensor and Arduino Connection

3.0 Part Specifications

Name	Brand/Type
EMG Sensor	MyoWare
Electrodes	Creatron SPEDE-012969
Wires	Jumper Wires [M-F]
Actuator Connectors	Actuonix
Actuator	Actuonix PQ12-63-12-P
Microprocessor	Arduino Micro
Battery	9V DC
Bolts and inserts	M3 6mm
Tendon Line	Open Bionics, 5m
Wire Spring	Forney-72608, 0.25"×1"×0.02"
Cornice Hooks	Homepak, 1.25"
3D Printed Hand	Shapeways

4.0 **3D Printed Model**

CORNICE HOOK

ATTACHMENT OF TENDON
LINE ON THE MODEL