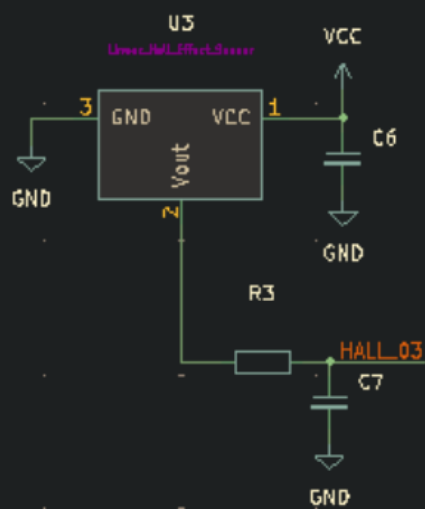
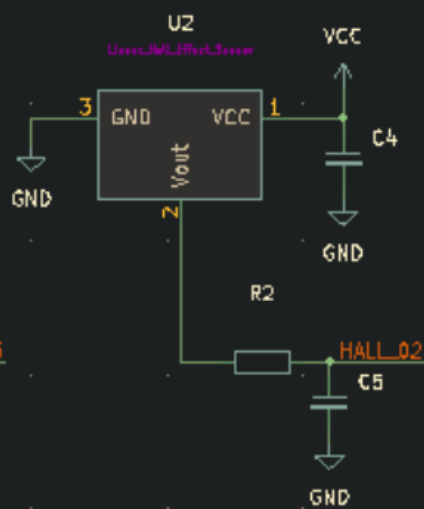


### Filament entanglement Hall Sensor



### Cutter Hall Sensor



### Extruder Hall Sensor

