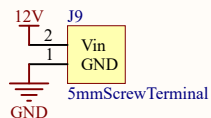
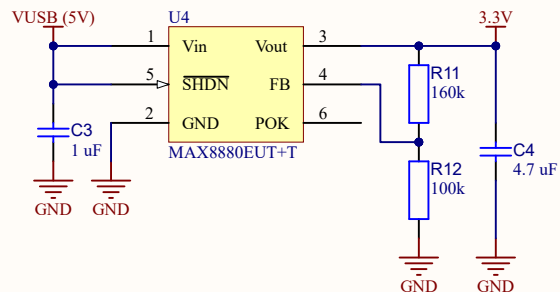
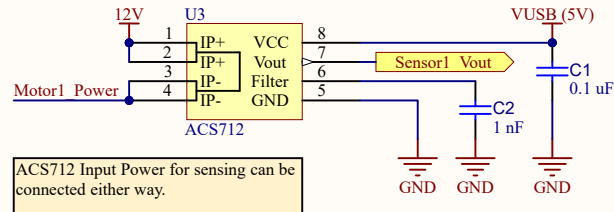
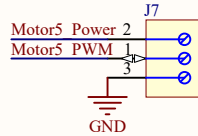
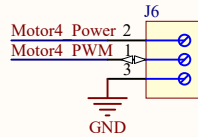
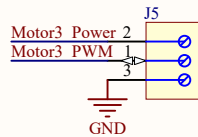
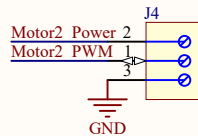
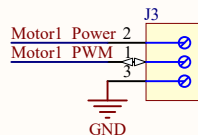
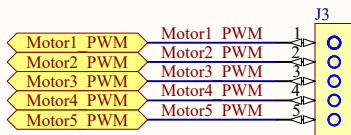


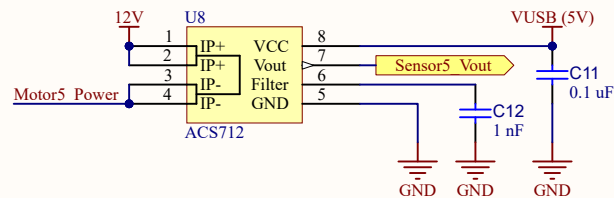
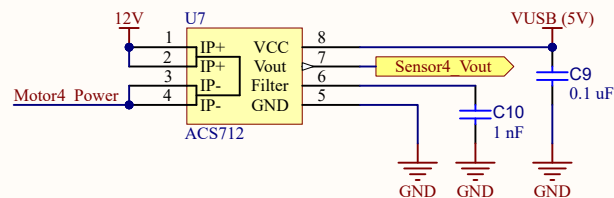
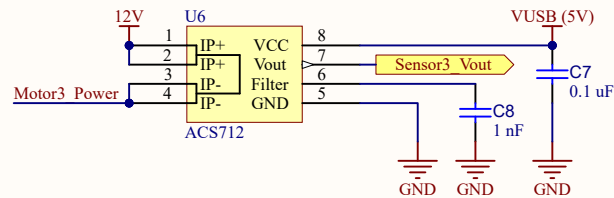
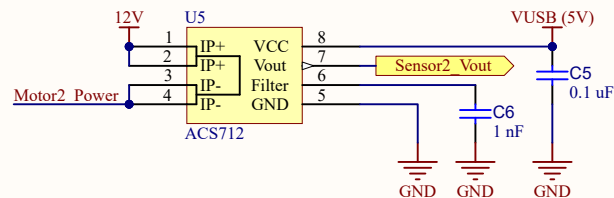
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R_{11} must be 1.6 times R_{12} to achieve output voltage close to 3.3V.
 $V_{fb} = 1.257$,
 $V_{out} = V_{fb} * (R_{11} + R_{12}) / R_{12} = 3.268$ V.
Settin R_{12} to 1 megaohm and calculating R_{11} would result in marginally less current consumption.



ACS712 Input Power for sensing can be connected either way.



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