

**Brown University**  
Formula SAE

# Processor

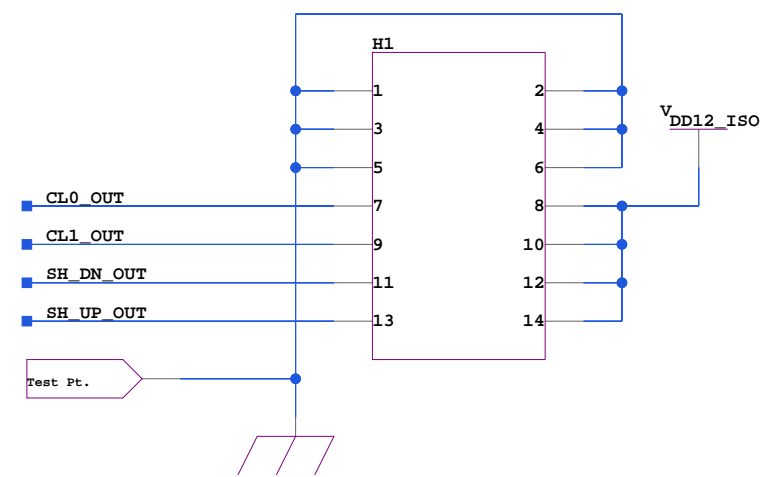
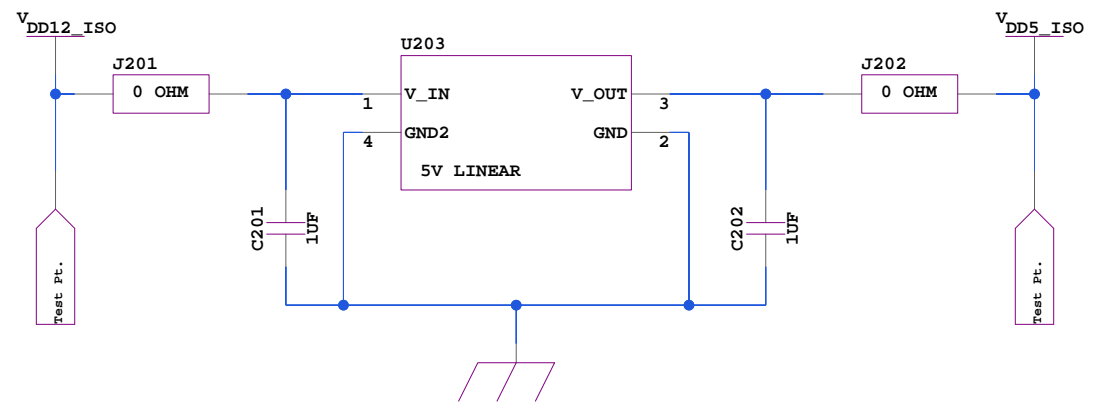
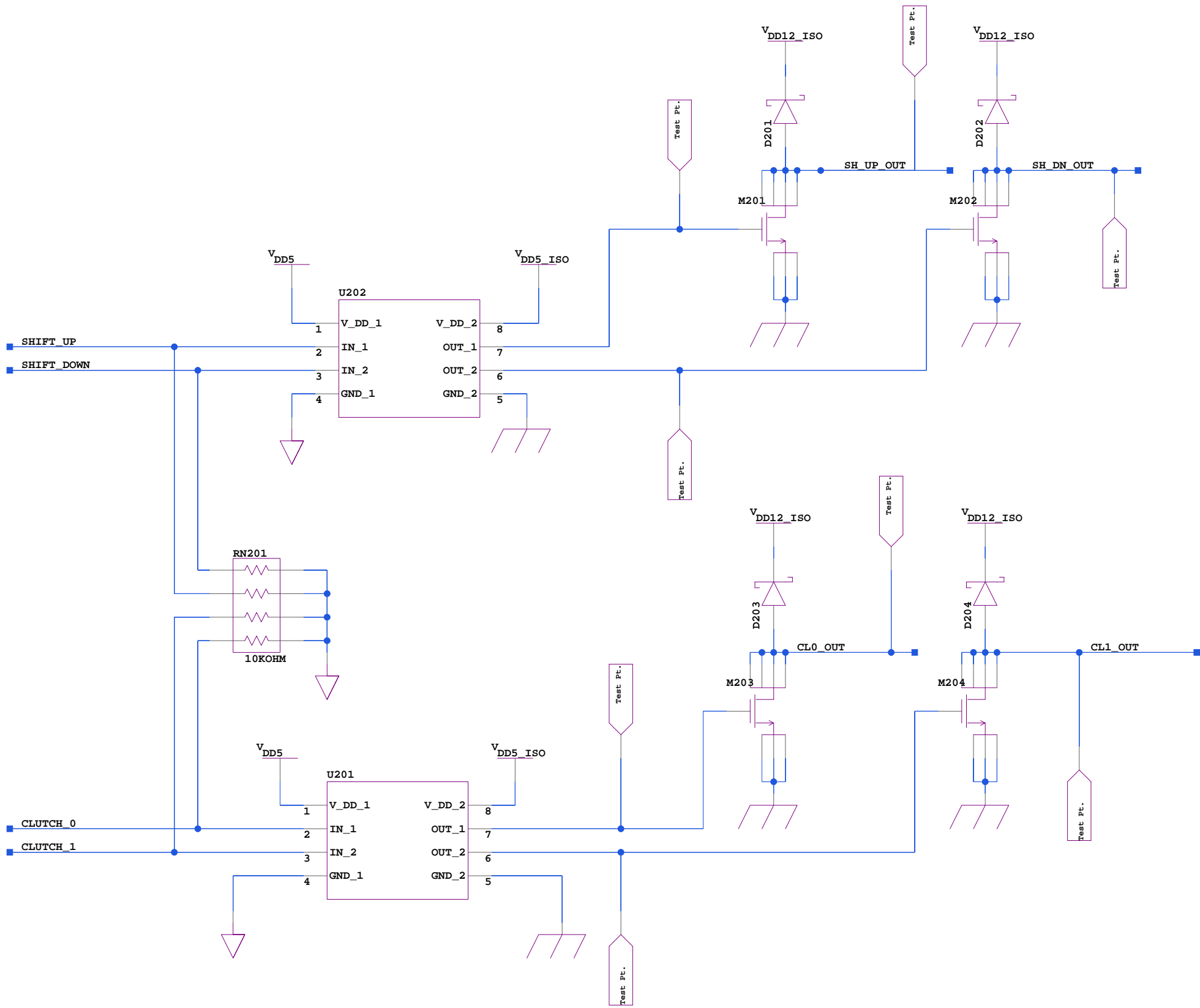
DATE:3/18/2016

DESIGNER:GKeeth, RMurai, SWeinrich

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SH. 1

OF 2



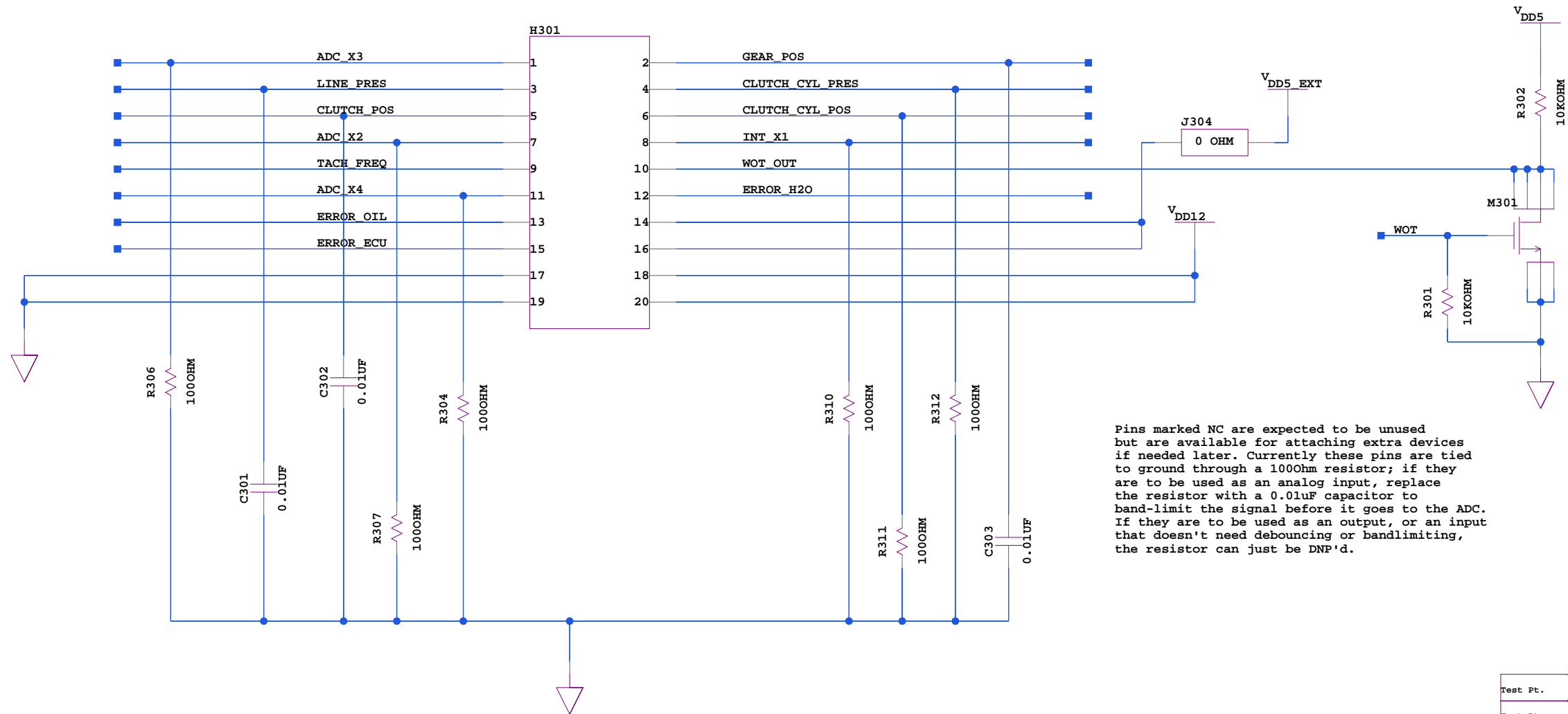
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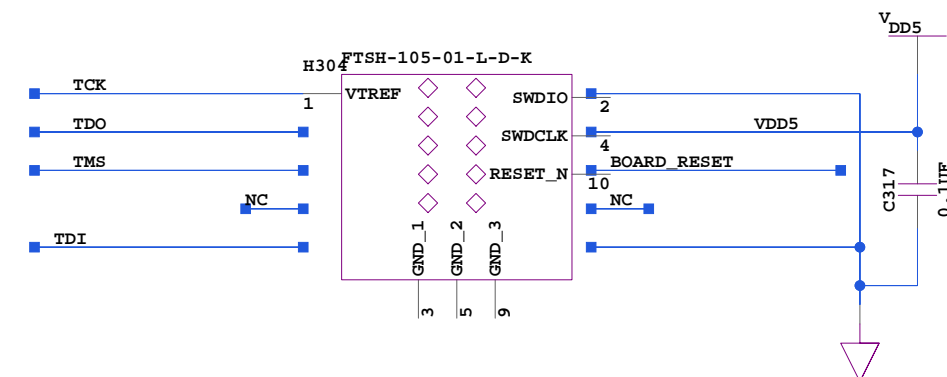
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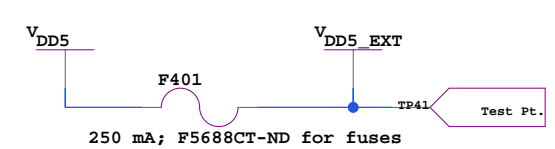
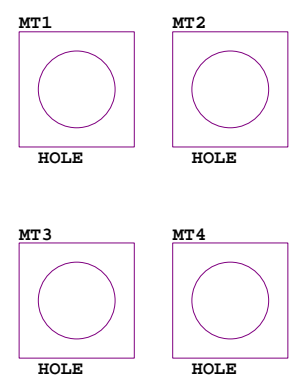
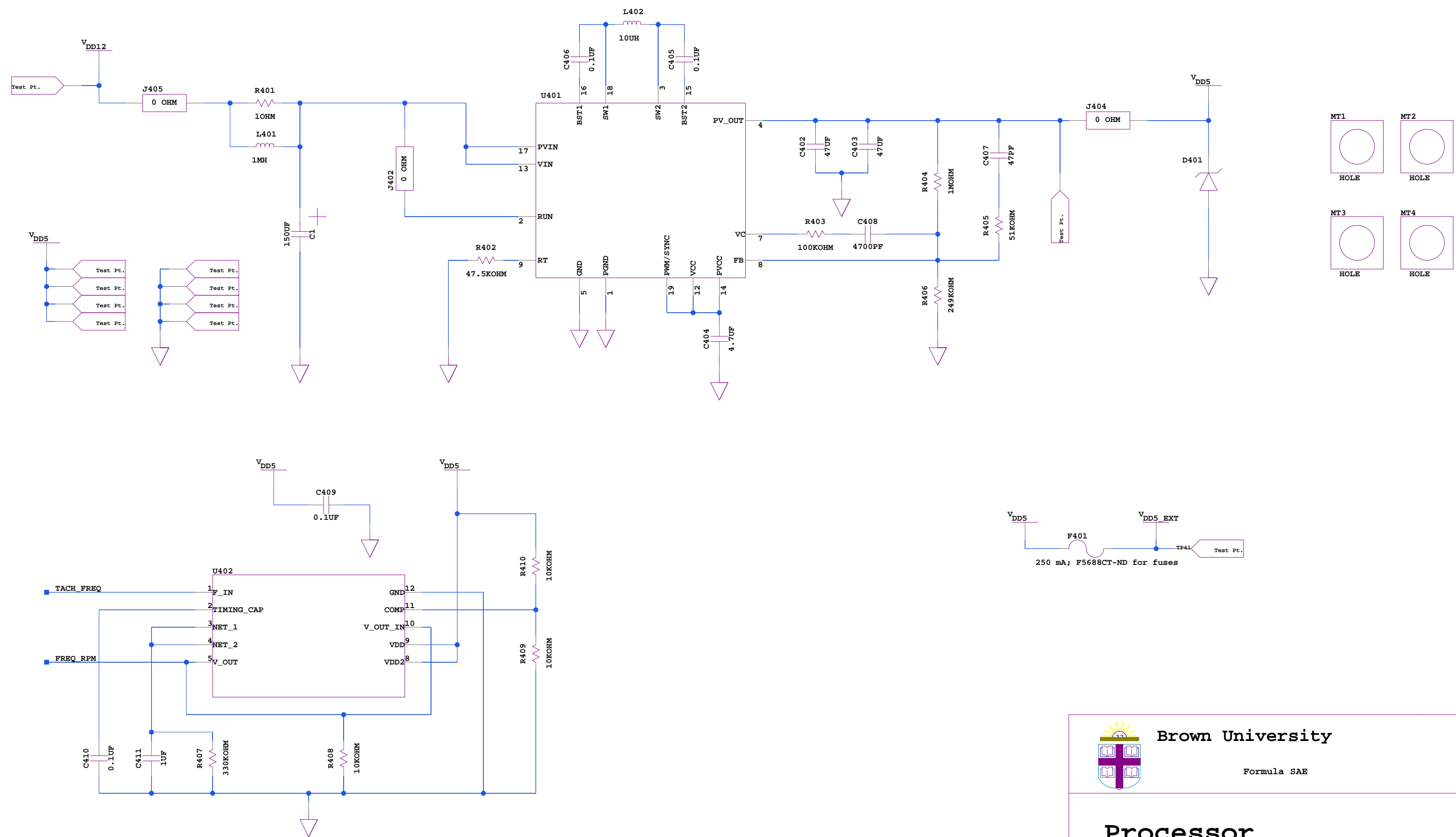
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Pins marked NC are expected to be unused but are available for attaching extra devices if needed later. Currently these pins are tied to ground through a 1000hm resistor; if they are to be used as an analog input, replace the resistor with a 0.01uF capacitor to band-limit the signal before it goes to the ADC. If they are to be used as an output, or an input that doesn't need debouncing or bandlimiting, the resistor can just be DNP'd.







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