

# Key Components

Description	Source
<b>IL610CMTI-1E</b> Ultrahigh CMTI <b>Isolator</b>	<b>NVE</b>
<b>ILDC12VE</b> 3.3-to-5V Isolated <b>DC-DC Convertor</b>	<b>NVE</b>
<b>AG903B-07E</b> GMR <b>Current Sensor</b> Evaluation Kit	<b>NVE</b>
<b>AG040C</b> Magnetic Switch Sensor Eval Board ( <b>interlock switch</b> )	<b>NVE</b>
5.9 x 3.9 x 2.8" ABS IP65 <b>Electrical Box</b>	Amazon
#14 x 1½" Stainless Steel Self-Drilling <b>Screws</b> (to hold hot dog)	Generic
1/8 Dia. x 1/8" NdFeB <b>Magnet</b> (for switch interlock)	Home Depot
UJ4C075060K3S 750V/28A SiC <b>FET</b>	Qorvo
IX4310T MOSFET <b>Driver</b>	Ixys
GBPC1504-E4/51 15A / 400V Bridge <b>Rectifier</b>	Vishay
Arduino Uno ( <b>controller</b> )	Arduino
20x 4 I <sup>2</sup> C LCD <b>Display</b>	Generic



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