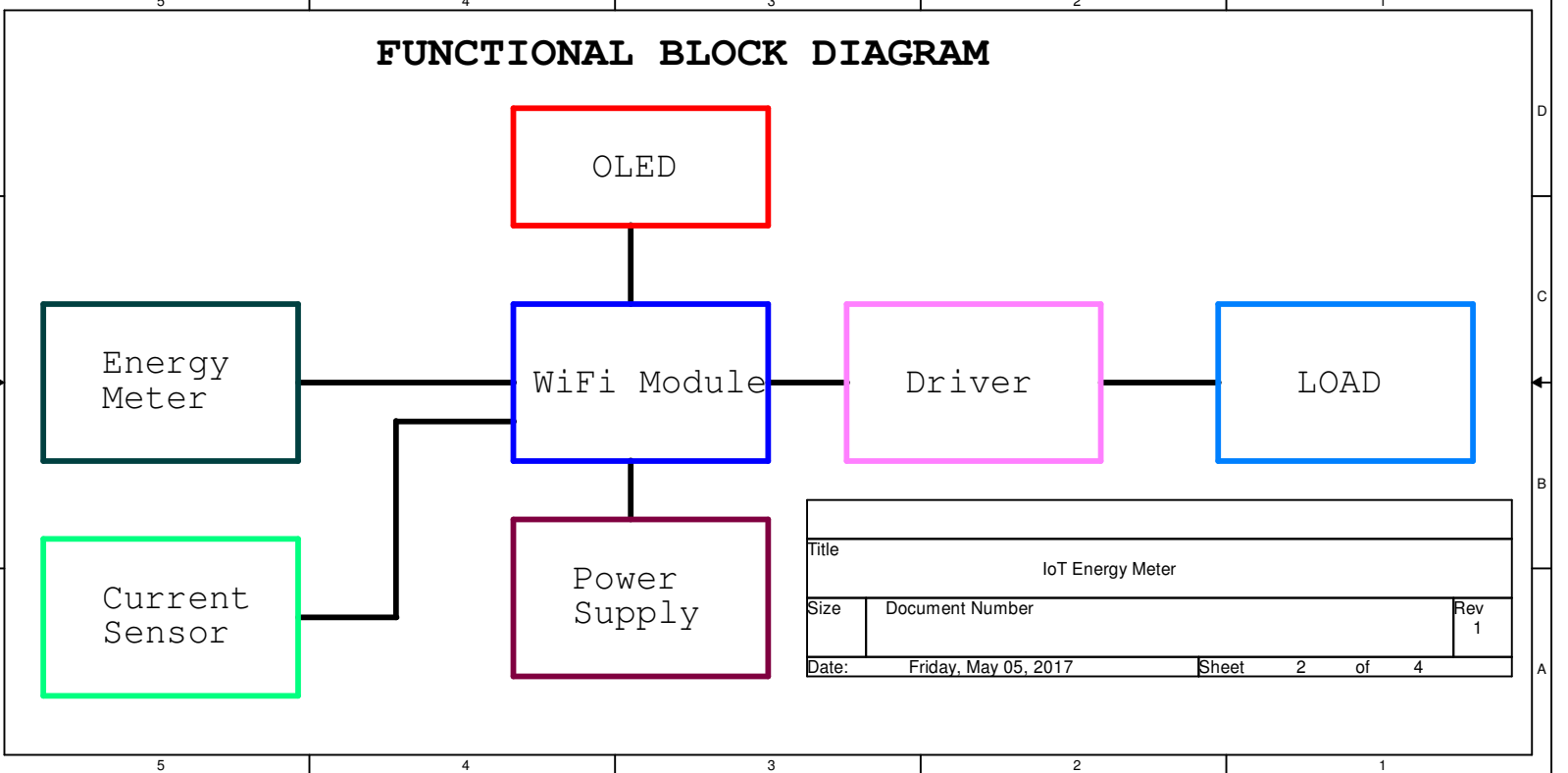
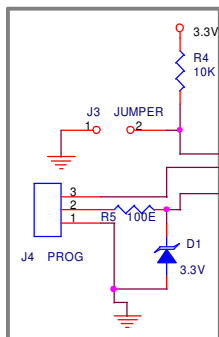


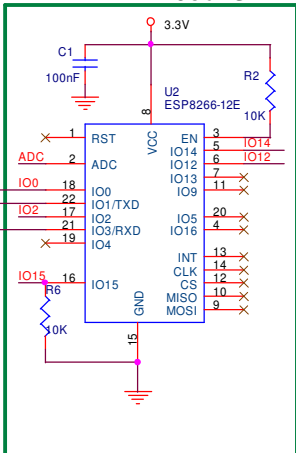
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PROJECT OBJECTIVE					D																														
<p>The Internet-of-Things Energy Meter (IEM) is a device fixed on top of the regular household power meter that provides detailed information about the electricity usage. Modern power meters have a LED blinking every time a watt-hour is used, the IEM detects these flashes using a interrupt, counts them, then the data is stored to the cloud.</p>					C																														
<p>Usually power companies provide very rough electricity usage data, the IEM provides data with a minute resolution. Knowing the household electricity usage allows to extrapolate statistics and can give precise numbers about the costs.</p>					B																														
<table><tr><td colspan="5"></td></tr><tr><td colspan="5">Title</td></tr><tr><td colspan="5">IoT Energy Meter</td></tr><tr><td>Size</td><td colspan="3">Document Number</td><td>Rev</td></tr><tr><td></td><td colspan="3"></td><td>1</td></tr><tr><td>Date:</td><td colspan="2">Friday, May 05, 2017</td><td>Sheet</td><td>1 of 4</td></tr></table>										Title					IoT Energy Meter					Size	Document Number			Rev					1	Date:	Friday, May 05, 2017		Sheet	1 of 4	A
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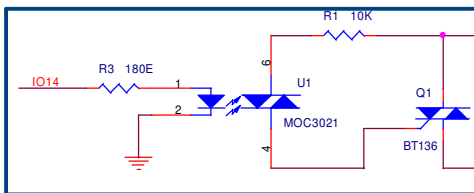
Programming



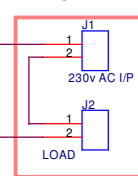
WiFi Module



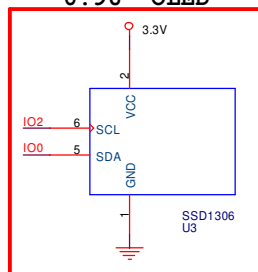
Driver



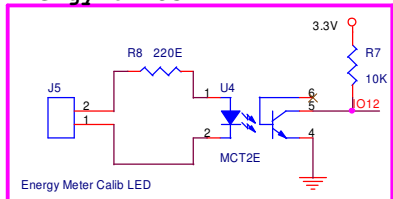
LOAD



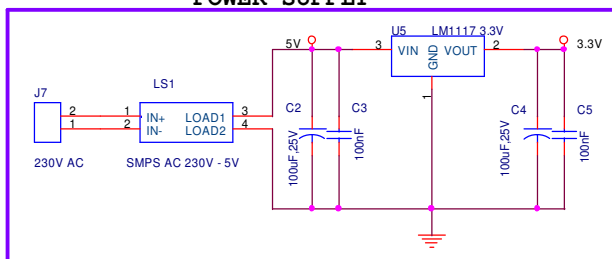
0.96" OLED



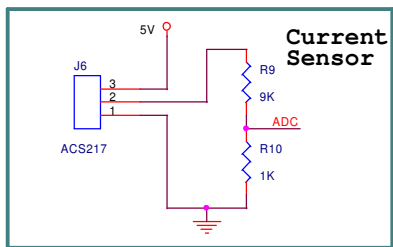
Energy Units



POWER SUPPLY



Current Sensor



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