|  |
| --- |
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|  | <pad name="14" x="-3.81" y="3.81" drill="0.8128" shape="long" rot="R90"></pad> |
|  | <pad name="15" x="-6.35" y="3.81" drill="0.8128" shape="long" rot="R90"></pad> |
|  | <pad name="16" x="-8.89" y="3.81" drill="0.8128" shape="long" rot="R90"></pad> |
|  | <text x="-10.541" y="-2.921" size="1.27" layer="25" ratio="10" rot="R90">&gt;NAME</text> |
|  | <text x="-7.493" y="-0.635" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | </package> |
|  | <package name="RADIAL-D11.36MM"> |
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|  | <circle x="0" y="0" radius="5.6796" width="0.127" layer="39"></circle> |
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|  | <pad name="-" x="2.54" y="0" drill="1.27" diameter="1.905"></pad> |
|  | <text x="-1.905" y="6.35" size="0.889" layer="25" ratio="11">&gt;NAME</text> |
|  | <text x="-1.905" y="-2.54" size="0.635" layer="27" ratio="10">&gt;VALUE</text> |
|  | <text x="-7.62" y="-0.635" size="1.9304" layer="21" ratio="10">+</text> |
|  | </package> |
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|  | <description>&lt;b&gt;RESISTOR&lt;/b&gt;&lt;p&gt; |
|  | type 0207, grid 10 mm</description> |
|  | <wire x1="5.08" y1="0" x2="4.064" y2="0" width="0.6096" layer="51"></wire> |
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|  | <wire x1="-3.175" y1="-0.889" x2="-2.921" y2="-1.143" width="0.1524" layer="21" curve="90"></wire> |
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|  | <wire x1="-2.413" y1="1.016" x2="-2.54" y2="1.143" width="0.1524" layer="21"></wire> |
|  | <wire x1="-2.921" y1="-1.143" x2="-2.54" y2="-1.143" width="0.1524" layer="21"></wire> |
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|  | <wire x1="2.921" y1="-1.143" x2="2.54" y2="-1.143" width="0.1524" layer="21"></wire> |
|  | <wire x1="3.175" y1="-0.889" x2="3.175" y2="0.889" width="0.1524" layer="21"></wire> |
|  | <pad name="1" x="-5.08" y="0" drill="0.8128" shape="octagon"></pad> |
|  | <pad name="2" x="5.08" y="0" drill="0.8128" shape="octagon"></pad> |
|  | <text x="-3.048" y="1.524" size="1.27" layer="25" ratio="10">&gt;NAME</text> |
|  | <text x="-2.2606" y="-0.635" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | <rectangle x1="3.175" y1="-0.3048" x2="4.0386" y2="0.3048" layer="21"></rectangle> |
|  | <rectangle x1="-4.0386" y1="-0.3048" x2="-3.175" y2="0.3048" layer="21"></rectangle> |
|  | </package> |
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|  | type 0207, grid 12 mm</description> |
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|  | <wire x1="2.413" y1="1.016" x2="-2.413" y2="1.016" width="0.1524" layer="21"></wire> |
|  | <wire x1="2.413" y1="-1.016" x2="2.54" y2="-1.143" width="0.1524" layer="21"></wire> |
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|  | <wire x1="2.921" y1="-1.143" x2="2.54" y2="-1.143" width="0.1524" layer="21"></wire> |
|  | <wire x1="3.175" y1="-0.889" x2="3.175" y2="0.889" width="0.1524" layer="21"></wire> |
|  | <wire x1="4.445" y1="0" x2="4.064" y2="0" width="0.6096" layer="21"></wire> |
|  | <wire x1="-4.445" y1="0" x2="-4.064" y2="0" width="0.6096" layer="21"></wire> |
|  | <pad name="1" x="-6.35" y="0" drill="0.8128" diameter="1.6764" shape="octagon"></pad> |
|  | <pad name="2" x="6.35" y="0" drill="0.8128" diameter="1.6764" shape="octagon"></pad> |
|  | <text x="-3.175" y="1.397" size="1.27" layer="25" ratio="10">&gt;NAME</text> |
|  | <text x="-2.286" y="-0.6858" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | <rectangle x1="3.175" y1="-0.3048" x2="4.0386" y2="0.3048" layer="21"></rectangle> |
|  | <rectangle x1="-4.0386" y1="-0.3048" x2="-3.175" y2="0.3048" layer="21"></rectangle> |
|  | <rectangle x1="4.445" y1="-0.3048" x2="5.3086" y2="0.3048" layer="21"></rectangle> |
|  | <rectangle x1="-5.3086" y1="-0.3048" x2="-4.445" y2="0.3048" layer="21"></rectangle> |
|  | </package> |
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|  | <wire x1="1.27" y1="0" x2="0" y2="1.27" width="0.127" layer="21"></wire> |
|  | <wire x1="-3.81" y1="0" x2="-1.27" y2="0" width="0.127" layer="21"></wire> |
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|  | <wire x1="-6" y1="-1.8" x2="6" y2="-1.8" width="0.127" layer="21"></wire> |
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|  | <pad name="2" x="-6.35" y="0" drill="0.8" rot="R270"></pad> |
|  | <text x="-1.905" y="2.54" size="0.889" layer="25" ratio="11">&gt;NAME</text> |
|  | <text x="-1.905" y="-3.175" size="0.889" layer="27" ratio="11">&gt;VALUE</text> |
|  | <rectangle x1="-1.778" y1="-5.969" x2="1.778" y2="5.969" layer="39" rot="R270"></rectangle> |
|  | <wire x1="-6" y1="1.8" x2="-6" y2="0.7" width="0.127" layer="21"></wire> |
|  | <wire x1="-6" y1="-1.8" x2="-6" y2="-0.7" width="0.127" layer="21"></wire> |
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|  | <description>&lt;b&gt;DIODE&lt;/b&gt;</description> |
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|  | <wire x1="-1.905" y1="0" x2="-2.794" y2="0" width="0.1524" layer="21"></wire> |
|  | <wire x1="-1.905" y1="0.889" x2="-1.905" y2="0" width="0.1524" layer="21"></wire> |
|  | <wire x1="2.794" y1="0" x2="1.905" y2="0" width="0.1524" layer="21"></wire> |
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|  | <pad name="C" x="-3.81" y="0" drill="0.8128" shape="long"></pad> |
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|  | <text x="-1.905" y="-2.54" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | <rectangle x1="-1.27" y1="-0.889" x2="-0.762" y2="0.889" layer="21"></rectangle> |
|  | </package> |
|  | <package name="B25V"> |
|  | <description>&lt;b&gt;POTENTIOMETER&lt;/b&gt;&lt;p&gt; |
|  | Beckman Helitrim 25</description> |
|  | <wire x1="3.429" y1="3.556" x2="3.429" y2="1.27" width="0.1524" layer="21"></wire> |
|  | <wire x1="0.508" y1="2.413" x2="0.381" y2="2.286" width="0.1524" layer="21"></wire> |
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|  | <wire x1="0.254" y1="2.159" x2="0.127" y2="2.032" width="0.1524" layer="21"></wire> |
|  | <wire x1="0.254" y1="2.667" x2="0.127" y2="2.794" width="0.1524" layer="21"></wire> |
|  | <wire x1="0.381" y1="2.286" x2="0.381" y2="2.54" width="0.1524" layer="21"></wire> |
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|  | <wire x1="-2.54" y1="1.778" x2="-2.54" y2="3.556" width="0.1524" layer="21"></wire> |
|  | <wire x1="2.54" y1="1.778" x2="2.54" y2="3.556" width="0.1524" layer="21"></wire> |
|  | <pad name="A" x="2.54" y="0.635" drill="0.8128" shape="long" rot="R90"></pad> |
|  | <pad name="E" x="-2.54" y="0.635" drill="0.8128" shape="long" rot="R90"></pad> |
|  | <pad name="S" x="0" y="0.635" drill="0.8128" shape="long" rot="R90"></pad> |
|  | <text x="-3.302" y="4.445" size="1.27" layer="25" ratio="10">&gt;NAME</text> |
|  | <text x="-3.4036" y="-4.826" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | <text x="-3.048" y="-2.032" size="1.27" layer="21" ratio="10">3</text> |
|  | <text x="2.159" y="-1.905" size="1.27" layer="21" ratio="10">1</text> |
|  | <text x="-0.381" y="1.778" size="1.27" layer="21" ratio="10"> 3 </text> |
|  | <rectangle x1="-1.524" y1="3.556" x2="-0.254" y2="4.191" layer="21"></rectangle> |
|  | <rectangle x1="0.254" y1="3.556" x2="1.524" y2="4.191" layer="21"></rectangle> |
|  | <rectangle x1="-0.254" y1="3.556" x2="0.254" y2="3.81" layer="21"></rectangle> |
|  | </package> |
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|  | <description>&lt;B&gt;MKS2&lt;/B&gt;, 7.5 x 2.5 mm, grid 5.08 mm</description> |
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|  | <wire x1="-3.429" y1="-1.27" x2="3.429" y2="-1.27" width="0.1524" layer="21"></wire> |
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|  | <pad name="1" x="-2.54" y="0" drill="0.8128" diameter="1.6002" shape="octagon"></pad> |
|  | <pad name="2" x="2.54" y="0" drill="0.8128" diameter="1.6002" shape="octagon"></pad> |
|  | <text x="-2.032" y="1.524" size="1.27" layer="25" ratio="10">&gt;NAME</text> |
|  | <text x="-2.032" y="-2.794" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | </package> |
|  | <package name="LED5MM"> |
|  | <description>&lt;B&gt;LED&lt;/B&gt;&lt;p&gt;5 mm, round</description> |
|  | <wire x1="2.54" y1="-1.905" x2="2.54" y2="1.905" width="0.2032" layer="21"></wire> |
|  | <wire x1="2.54" y1="-1.905" x2="2.54" y2="1.905" width="0.254" layer="21" curve="-286.260205"></wire> |
|  | <wire x1="-1.143" y1="0" x2="0" y2="1.143" width="0.1524" layer="51" curve="-90"></wire> |
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|  | <circle x="0" y="0" radius="2.54" width="0.1524" layer="21"></circle> |
|  | <pad name="A" x="-1.27" y="0" drill="0.8128" shape="octagon"></pad> |
|  | <pad name="K" x="1.27" y="0" drill="0.8128" shape="octagon"></pad> |
|  | <text x="3.175" y="0.5334" size="1.27" layer="25" ratio="10">&gt;NAME</text> |
|  | <text x="3.2004" y="-1.8034" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | </package> |
|  | <package name="LED-RGB-THRU"> |
|  | <wire x1="2.5" y1="-1" x2="2.5" y2="1" width="0.127" layer="21"></wire> |
|  | <wire x1="2.5" y1="-1" x2="2.5" y2="1" width="0.127" layer="21" curve="-316.397181"></wire> |
|  | <pad name="2" x="0.635" y="0" drill="0.762" diameter="0.889" shape="long" rot="R90"></pad> |
|  | <pad name="1" x="1.905" y="0" drill="0.762" diameter="0.889" shape="long" rot="R90"></pad> |
|  | <pad name="3" x="-0.635" y="0" drill="0.762" diameter="0.889" shape="long" rot="R90"></pad> |
|  | <pad name="4" x="-1.905" y="0" drill="0.762" diameter="0.889" shape="long" rot="R90"></pad> |
|  | </package> |
|  | <package name="PT-10"> |
|  | <description>&lt;b&gt;POTENTIOMETER&lt;/b&gt;</description> |
|  | <wire x1="-3.175" y1="-4.064" x2="3.175" y2="-4.064" width="0.1524" layer="21" curve="-288.924644"></wire> |
|  | <wire x1="3.175" y1="-4.064" x2="3.175" y2="-5.715" width="0.1524" layer="51"></wire> |
|  | <wire x1="-3.175" y1="-5.715" x2="-3.175" y2="-4.064" width="0.1524" layer="51"></wire> |
|  | <wire x1="-2.794" y1="-5.715" x2="-2.794" y2="-3.175" width="0.1524" layer="51"></wire> |
|  | <wire x1="-2.794" y1="-3.175" x2="-1.905" y2="-2.54" width="0.1524" layer="21"></wire> |
|  | <wire x1="-1.905" y1="-2.54" x2="-0.635" y2="-3.175" width="0.1524" layer="21"></wire> |
|  | <wire x1="-0.635" y1="-3.175" x2="-0.635" y2="-4.445" width="0.1524" layer="21"></wire> |
|  | <wire x1="-0.635" y1="-4.445" x2="-1.27" y2="-4.445" width="0.1524" layer="21"></wire> |
|  | <wire x1="-1.27" y1="-4.445" x2="-1.27" y2="-5.715" width="0.1524" layer="21"></wire> |
|  | <wire x1="1.27" y1="-5.715" x2="1.27" y2="-4.445" width="0.1524" layer="21"></wire> |
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|  | <wire x1="0.635" y1="-4.445" x2="0.635" y2="-3.175" width="0.1524" layer="21"></wire> |
|  | <wire x1="0.635" y1="-3.175" x2="1.905" y2="-2.54" width="0.1524" layer="21"></wire> |
|  | <wire x1="1.905" y1="-2.54" x2="2.794" y2="-3.175" width="0.1524" layer="21"></wire> |
|  | <wire x1="2.794" y1="-3.175" x2="2.794" y2="-5.715" width="0.1524" layer="51"></wire> |
|  | <wire x1="-3.175" y1="-5.715" x2="3.175" y2="-5.715" width="0.1524" layer="51"></wire> |
|  | <wire x1="0.889" y1="1.397" x2="-0.127" y2="0.381" width="0.1524" layer="21"></wire> |
|  | <wire x1="-0.127" y1="0.381" x2="-0.508" y2="0.762" width="0.1524" layer="21"></wire> |
|  | <wire x1="-0.508" y1="0.762" x2="-0.508" y2="0" width="0.1524" layer="21"></wire> |
|  | <wire x1="-0.508" y1="0" x2="-1.397" y2="-0.889" width="0.1524" layer="21"></wire> |
|  | <wire x1="1.397" y1="0.889" x2="0.381" y2="-0.127" width="0.1524" layer="21"></wire> |
|  | <wire x1="0.381" y1="-0.127" x2="0.762" y2="-0.508" width="0.1524" layer="21"></wire> |
|  | <wire x1="0.762" y1="-0.508" x2="0" y2="-0.508" width="0.1524" layer="21"></wire> |
|  | <wire x1="0" y1="-0.508" x2="-0.889" y2="-1.397" width="0.1524" layer="21"></wire> |
|  | <circle x="0" y="0" radius="1.8034" width="0.1524" layer="21"></circle> |
|  | <circle x="0" y="0" radius="2.794" width="0.0508" layer="21"></circle> |
|  | <pad name="A" x="-2.54" y="-5.08" drill="1.016" shape="octagon"></pad> |
|  | <pad name="E" x="2.54" y="-5.08" drill="1.016" shape="octagon"></pad> |
|  | <pad name="S" x="0" y="5.08" drill="1.016" shape="octagon"></pad> |
|  | <text x="-3.175" y="6.35" size="1.27" layer="25" ratio="10">&gt;NAME</text> |
|  | <text x="-3.048" y="-7.62" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | </package> |
|  | <package name="TL1105"> |
|  | <description>&lt;b&gt;TACT SWITCH&lt;/b&gt;&lt;p&gt; |
|  | Source: http://dkc3.digikey.com/Media/PDF/Data%20Sheets/E-Switch%20PDFs/TL1105%20Series.pdf</description> |
|  | <wire x1="-2.9" y1="2.9" x2="-2.9" y2="-2.9" width="0.2032" layer="51"></wire> |
|  | <wire x1="2.9" y1="2.9" x2="2.9" y2="-2.9" width="0.2032" layer="51"></wire> |
|  | <wire x1="-2.9" y1="2.9" x2="2.9" y2="2.9" width="0.2032" layer="51"></wire> |
|  | <wire x1="2.9" y1="-2.9" x2="-2.9" y2="-2.9" width="0.2032" layer="51"></wire> |
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|  | <wire x1="-2.9" y1="2.265" x2="-2.9" y2="-2.265" width="0.2032" layer="21"></wire> |
|  | <wire x1="0.995" y1="-2.9" x2="-0.995" y2="-2.9" width="0.2032" layer="21"></wire> |
|  | <wire x1="2.9" y1="2.265" x2="2.9" y2="-2.265" width="0.2032" layer="21"></wire> |
|  | <circle x="0" y="0" radius="1.65" width="0.2032" layer="21"></circle> |
|  | <pad name="3" x="-2.25" y="-3.25" drill="1" diameter="1.6764" rot="R90"></pad> |
|  | <pad name="1" x="-2.25" y="3.25" drill="1" diameter="1.6764" rot="R90"></pad> |
|  | <pad name="4" x="2.25" y="-3.25" drill="1" diameter="1.6764" rot="R90"></pad> |
|  | <pad name="2" x="2.25" y="3.25" drill="1" diameter="1.6764" rot="R90"></pad> |
|  | <text x="-3.175" y="-2.54" size="1.27" layer="25" rot="R90">&gt;NAME</text> |
|  | <text x="5.08" y="-2.54" size="1.27" layer="27" rot="R90">&gt;VALUE</text> |
|  | <rectangle x1="-2.55" y1="2.925" x2="-1.95" y2="3.85" layer="51"></rectangle> |
|  | <rectangle x1="1.95" y1="2.925" x2="2.55" y2="3.85" layer="51"></rectangle> |
|  | <rectangle x1="1.95" y1="-3.85" x2="2.55" y2="-2.925" layer="51" rot="R180"></rectangle> |
|  | <rectangle x1="-2.55" y1="-3.85" x2="-1.95" y2="-2.925" layer="51" rot="R180"></rectangle> |
|  | </package> |
|  | <package name="TO92"> |
|  | <description>&lt;b&gt;TO 92&lt;/b&gt;</description> |
|  | <wire x1="-2.0946" y1="-1.651" x2="-2.6549" y2="-0.254" width="0.127" layer="21" curve="-32.781"></wire> |
|  | <wire x1="-2.6549" y1="-0.254" x2="-0.7863" y2="2.5485" width="0.127" layer="21" curve="-78.3185"></wire> |
|  | <wire x1="0.7863" y1="2.5484" x2="2.0945" y2="-1.651" width="0.127" layer="21" curve="-111.1"></wire> |
|  | <wire x1="-2.0945" y1="-1.651" x2="2.0945" y2="-1.651" width="0.127" layer="21"></wire> |
|  | <wire x1="-2.2537" y1="-0.254" x2="-0.2863" y2="-0.254" width="0.127" layer="51"></wire> |
|  | <wire x1="-2.6549" y1="-0.254" x2="-2.2537" y2="-0.254" width="0.127" layer="21"></wire> |
|  | <wire x1="-0.2863" y1="-0.254" x2="0.2863" y2="-0.254" width="0.127" layer="21"></wire> |
|  | <wire x1="2.2537" y1="-0.254" x2="2.6549" y2="-0.254" width="0.127" layer="21"></wire> |
|  | <wire x1="0.2863" y1="-0.254" x2="2.2537" y2="-0.254" width="0.127" layer="51"></wire> |
|  | <wire x1="-0.7863" y1="2.5485" x2="0.7863" y2="2.5485" width="0.127" layer="51" curve="-34.2936"></wire> |
|  | <pad name="1" x="1.27" y="0" drill="0.8128" shape="octagon"></pad> |
|  | <pad name="2" x="0" y="1.905" drill="0.8128" shape="octagon"></pad> |
|  | <pad name="3" x="-1.27" y="0" drill="0.8128" shape="octagon"></pad> |
|  | <text x="3.175" y="0.635" size="1.27" layer="25" ratio="10">&gt;NAME</text> |
|  | <text x="3.175" y="-1.27" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | <text x="-0.635" y="0.635" size="1.27" layer="51" ratio="10">2</text> |
|  | <text x="-2.159" y="0" size="1.27" layer="51" ratio="10">3</text> |
|  | <text x="1.143" y="0" size="1.27" layer="51" ratio="10">1</text> |
|  | </package> |
|  | <package name="TO220"> |
|  | <description>&lt;b&gt;TO 220 horizontal&lt;/b&gt;</description> |
|  | <wire x1="-5.207" y1="-1.27" x2="5.207" y2="-1.27" width="0.127" layer="21"></wire> |
|  | <wire x1="5.207" y1="14.605" x2="-5.207" y2="14.605" width="0.127" layer="21"></wire> |
|  | <wire x1="5.207" y1="-1.27" x2="5.207" y2="11.176" width="0.127" layer="21"></wire> |
|  | <wire x1="5.207" y1="11.176" x2="4.318" y2="11.176" width="0.127" layer="21"></wire> |
|  | <wire x1="4.318" y1="11.176" x2="4.318" y2="12.7" width="0.127" layer="21"></wire> |
|  | <wire x1="4.318" y1="12.7" x2="5.207" y2="12.7" width="0.127" layer="21"></wire> |
|  | <wire x1="5.207" y1="12.7" x2="5.207" y2="14.605" width="0.127" layer="21"></wire> |
|  | <wire x1="-5.207" y1="-1.27" x2="-5.207" y2="11.176" width="0.127" layer="21"></wire> |
|  | <wire x1="-5.207" y1="11.176" x2="-4.318" y2="11.176" width="0.127" layer="21"></wire> |
|  | <wire x1="-4.318" y1="11.176" x2="-4.318" y2="12.7" width="0.127" layer="21"></wire> |
|  | <wire x1="-4.318" y1="12.7" x2="-5.207" y2="12.7" width="0.127" layer="21"></wire> |
|  | <wire x1="-5.207" y1="12.7" x2="-5.207" y2="14.605" width="0.127" layer="21"></wire> |
|  | <wire x1="-4.572" y1="-0.635" x2="4.572" y2="-0.635" width="0.0508" layer="21"></wire> |
|  | <wire x1="4.572" y1="7.62" x2="4.572" y2="-0.635" width="0.0508" layer="21"></wire> |
|  | <wire x1="4.572" y1="7.62" x2="-4.572" y2="7.62" width="0.0508" layer="21"></wire> |
|  | <wire x1="-4.572" y1="-0.635" x2="-4.572" y2="7.62" width="0.0508" layer="21"></wire> |
|  | <circle x="0" y="11.176" radius="1.8034" width="0.127" layer="21"></circle> |
|  | <circle x="0" y="11.176" radius="4.191" width="0" layer="42"></circle> |
|  | <circle x="0" y="11.176" radius="4.191" width="0" layer="43"></circle> |
|  | <pad name="1" x="-2.54" y="-6.35" drill="1.1176" shape="long" rot="R90"></pad> |
|  | <pad name="2" x="0" y="-6.35" drill="1.1176" shape="long" rot="R90"></pad> |
|  | <pad name="3" x="2.54" y="-6.35" drill="1.1176" shape="long" rot="R90"></pad> |
|  | <text x="-3.81" y="5.207" size="1.778" layer="25" ratio="10">&gt;NAME</text> |
|  | <text x="-3.937" y="2.54" size="1.778" layer="27" ratio="10">&gt;VALUE</text> |
|  | <text x="-4.445" y="7.874" size="0.9906" layer="21" ratio="12">A17,5mm</text> |
|  | <text x="-3.175" y="0" size="1.27" layer="51" ratio="10">1</text> |
|  | <text x="-0.635" y="0" size="1.27" layer="51" ratio="10">2</text> |
|  | <text x="1.905" y="0" size="1.27" layer="51" ratio="10">3</text> |
|  | <rectangle x1="2.159" y1="-4.699" x2="2.921" y2="-4.064" layer="21"></rectangle> |
|  | <rectangle x1="-0.381" y1="-4.699" x2="0.381" y2="-4.064" layer="21"></rectangle> |
|  | <rectangle x1="-2.921" y1="-4.699" x2="-2.159" y2="-4.064" layer="21"></rectangle> |
|  | <rectangle x1="-3.175" y1="-4.064" x2="-1.905" y2="-1.27" layer="21"></rectangle> |
|  | <rectangle x1="-0.635" y1="-4.064" x2="0.635" y2="-1.27" layer="21"></rectangle> |
|  | <rectangle x1="1.905" y1="-4.064" x2="3.175" y2="-1.27" layer="21"></rectangle> |
|  | <rectangle x1="-2.921" y1="-6.604" x2="-2.159" y2="-4.699" layer="51"></rectangle> |
|  | <rectangle x1="-0.381" y1="-6.604" x2="0.381" y2="-4.699" layer="51"></rectangle> |
|  | <rectangle x1="2.159" y1="-6.604" x2="2.921" y2="-4.699" layer="51"></rectangle> |
|  | <hole x="0" y="11.176" drill="3.302"></hole> |
|  | </package> |
|  | <package name="USB-A-PCB"> |
|  | <wire x1="-5" y1="6" x2="3.7" y2="6" width="0.127" layer="51"></wire> |
|  | <wire x1="3.7" y1="6" x2="3.7" y2="-6" width="0.127" layer="51"></wire> |
|  | <wire x1="3.7" y1="-6" x2="-5" y2="-6" width="0.127" layer="51"></wire> |
|  | <wire x1="-5" y1="-6" x2="-5" y2="6" width="0.127" layer="51"></wire> |
|  | <smd name="5V" x="-0.2" y="-3.5" dx="7.5" dy="1.5" layer="1"></smd> |
|  | <smd name="GND" x="-0.2" y="3.5" dx="7.5" dy="1.5" layer="1"></smd> |
|  | <smd name="USB\_M" x="0.3" y="-1" dx="6.5" dy="1" layer="1"></smd> |
|  | <smd name="USB\_P" x="0.3" y="1" dx="6.5" dy="1" layer="1"></smd> |
|  | <text x="-1.27" y="5.08" size="0.4064" layer="25">&gt;Name</text> |
|  | <text x="-1.27" y="-5.08" size="0.4064" layer="27">&gt;Value</text> |
|  | </package> |
|  | <package name="DC-POWER"> |
|  | <wire x1="-0.635" y1="6.255" x2="0.635" y2="6.255" width="0.254" layer="21"></wire> |
|  | <wire x1="0" y1="6.89" x2="0" y2="5.62" width="0.254" layer="21"></wire> |
|  | <wire x1="0" y1="-6.89" x2="0" y2="-5.62" width="0.254" layer="21"></wire> |
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|  | <wire x1="1.905" y1="-4.445" x2="-1.905" y2="-4.445" width="0.127" layer="21"></wire> |
|  | <wire x1="-1.905" y1="-4.445" x2="-1.905" y2="4.445" width="0.127" layer="21"></wire> |
|  | <wire x1="-1.905" y1="4.445" x2="1.905" y2="4.445" width="0" layer="39"></wire> |
|  | <wire x1="1.905" y1="4.445" x2="1.905" y2="-4.445" width="0" layer="39"></wire> |
|  | <wire x1="-1.905" y1="-4.445" x2="-1.905" y2="4.445" width="0" layer="39"></wire> |
|  | <pad name="+" x="0" y="2.54" drill="0.889" diameter="2.54" shape="octagon"></pad> |
|  | <pad name="-" x="0" y="-2.54" drill="0.889" diameter="2.54" shape="octagon"></pad> |
|  | <text x="-2.54" y="-3.81" size="0.889" layer="25" ratio="11" rot="R90">&gt;NAME</text> |
|  | <text x="3.175" y="-3.81" size="0.889" layer="27" ratio="11" rot="R90">&gt;VALUE</text> |
|  | <rectangle x1="-1.905" y1="-4.445" x2="1.905" y2="4.445" layer="39"></rectangle> |
|  | </package> |
|  | <package name="2P-2.54-65/35MIL"> |
|  | <wire x1="-1.27" y1="2.54" x2="1.27" y2="2.54" width="0.127" layer="21"></wire> |
|  | <wire x1="1.27" y1="2.54" x2="1.27" y2="-2.54" width="0.127" layer="21"></wire> |
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|  | <wire x1="-1.27" y1="-2.54" x2="-1.27" y2="2.54" width="0.127" layer="21"></wire> |
|  | <wire x1="-1.27" y1="2.54" x2="1.27" y2="2.54" width="0" layer="39"></wire> |
|  | <wire x1="1.27" y1="2.54" x2="1.27" y2="-2.54" width="0" layer="39"></wire> |
|  | <wire x1="-1.27" y1="-2.54" x2="-1.27" y2="2.54" width="0" layer="39"></wire> |
|  | <pad name="1" x="0" y="1.27" drill="0.889" diameter="1.651" shape="square"></pad> |
|  | <pad name="2" x="0" y="-1.27" drill="0.889" diameter="1.651"></pad> |
|  | <text x="-1.905" y="-1.905" size="0.889" layer="25" ratio="11" rot="R90">&gt;NAME</text> |
|  | <text x="2.54" y="-2.54" size="0.889" layer="27" ratio="11" rot="R90">&gt;VALUE</text> |
|  | <rectangle x1="-1.27" y1="-2.54" x2="1.27" y2="2.54" layer="39"></rectangle> |
|  | </package> |
|  | <package name="1X3P-2.54-2.54-11.6-3.0-BLACK-MALE"> |
|  | <wire x1="-1.27" y1="3.81" x2="1.27" y2="3.81" width="0.127" layer="21"></wire> |
|  | <wire x1="1.27" y1="3.81" x2="1.27" y2="-3.81" width="0.127" layer="21"></wire> |
|  | <wire x1="1.27" y1="-3.81" x2="-1.27" y2="-3.81" width="0.127" layer="21"></wire> |
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|  | <wire x1="1.27" y1="3.81" x2="1.27" y2="-3.81" width="0" layer="39"></wire> |
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|  | <wire x1="-1.27" y1="-3.81" x2="-1.27" y2="3.81" width="0" layer="39"></wire> |
|  | <pad name="1" x="0" y="2.54" drill="0.889" diameter="1.651" shape="square"></pad> |
|  | <pad name="2" x="0" y="0" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="3" x="0" y="-2.54" drill="0.889" diameter="1.651"></pad> |
|  | <text x="-1.905" y="3.81" size="0.889" layer="25" ratio="11">&gt;NAME</text> |
|  | <text x="0.635" y="-1.905" size="0.635" layer="27" ratio="10" rot="R90">&gt;VALUE</text> |
|  | <rectangle x1="-1.27" y1="-3.81" x2="1.27" y2="3.81" layer="39"></rectangle> |
|  | </package> |
|  | <package name="1X04"> |
|  | <wire x1="-5" y1="3.4" x2="-5" y2="-2.5" width="0.127" layer="21"></wire> |
|  | <wire x1="-5" y1="-2.5" x2="-5" y2="-3.6" width="0.127" layer="21"></wire> |
|  | <wire x1="-5" y1="-3.6" x2="5" y2="-3.6" width="0.127" layer="21"></wire> |
|  | <wire x1="5" y1="-3.6" x2="5" y2="-2.5" width="0.127" layer="21"></wire> |
|  | <wire x1="5" y1="-2.5" x2="5" y2="3.4" width="0.127" layer="21"></wire> |
|  | <wire x1="5" y1="3.4" x2="-5" y2="3.4" width="0.127" layer="21"></wire> |
|  | <wire x1="-5" y1="-2.5" x2="5" y2="-2.5" width="0.127" layer="21"></wire> |
|  | <pad name="4" x="3.81" y="0" drill="1" diameter="2.1844"></pad> |
|  | <pad name="3" x="1.27" y="0" drill="1" diameter="2.1844"></pad> |
|  | <pad name="2" x="-1.27" y="0" drill="1" diameter="2.1844"></pad> |
|  | <pad name="1" x="-3.81" y="0" drill="1" diameter="2.1844"></pad> |
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|  | <pad name="1" x="5.12" y="0" drill="1" diameter="2.1844"></pad> |
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|  | <pad name="3" x="-1.27" y="0" drill="1.016" shape="octagon" rot="R90"></pad> |
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|  | <text x="-7.62" y="-3.175" size="1.27" layer="27">&gt;VALUE</text> |
|  | <rectangle x1="3.556" y1="-0.254" x2="4.064" y2="0.254" layer="51"></rectangle> |
|  | <rectangle x1="1.016" y1="-0.254" x2="1.524" y2="0.254" layer="51"></rectangle> |
|  | <rectangle x1="-1.524" y1="-0.254" x2="-1.016" y2="0.254" layer="51"></rectangle> |
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|  | <wire x1="1.27" y1="-10.16" x2="-1.27" y2="-10.16" width="0.127" layer="21"></wire> |
|  | <wire x1="-1.27" y1="-10.16" x2="-1.27" y2="10.16" width="0.127" layer="21"></wire> |
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|  | <pad name="2" x="0" y="6.35" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="3" x="0" y="3.81" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="4" x="0" y="1.27" drill="0.889" diameter="1.651"></pad> |
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|  | <pad name="6" x="0" y="-3.81" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="7" x="0" y="-6.35" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="8" x="0" y="-8.89" drill="0.889" diameter="1.651"></pad> |
|  | <text x="-1.905" y="10.16" size="0.889" layer="25" ratio="11">&gt;NAME</text> |
|  | <text x="0.254" y="-1.905" size="0.635" layer="27" ratio="10" rot="R90">&gt;VALUE</text> |
|  | <rectangle x1="-1.27" y1="-10.16" x2="1.27" y2="10.16" layer="39"></rectangle> |
|  | </package> |
|  | <package name="1X9P-2.54-2.54-11.6-3.0-BLACK-MALE"> |
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|  | <wire x1="1.27" y1="11.43" x2="1.27" y2="-11.43" width="0.127" layer="21"></wire> |
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|  | <wire x1="-1.27" y1="-11.43" x2="-1.27" y2="11.43" width="0.127" layer="21"></wire> |
|  | <pad name="1" x="0" y="10.16" drill="0.889" diameter="1.651" shape="square"></pad> |
|  | <pad name="2" x="0" y="7.62" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="3" x="0" y="5.08" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="4" x="0" y="2.54" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="5" x="0" y="0" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="6" x="0" y="-2.54" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="7" x="0" y="-5.08" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="8" x="0" y="-7.62" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="9" x="0" y="-10.16" drill="0.889" diameter="1.651"></pad> |
|  | <text x="-1.905" y="11.43" size="0.889" layer="25" ratio="11">&gt;NAME</text> |
|  | <text x="0.254" y="-1.905" size="0.635" layer="27" ratio="10" rot="R90">&gt;VALUE</text> |
|  | <rectangle x1="-1.27" y1="-11.43" x2="1.27" y2="11.43" layer="39"></rectangle> |
|  | </package> |
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|  | <wire x1="-1.27" y1="-20.32" x2="-1.27" y2="20.32" width="0.127" layer="21"></wire> |
|  | <pad name="1" x="0" y="19.05" drill="0.889" diameter="1.651" shape="square"></pad> |
|  | <pad name="2" x="0" y="16.51" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="3" x="0" y="13.97" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="4" x="0" y="11.43" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="5" x="0" y="8.89" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="6" x="0" y="6.35" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="7" x="0" y="3.81" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="8" x="0" y="1.27" drill="0.889" diameter="1.651"></pad> |
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|  | <pad name="10" x="0" y="-3.81" drill="0.889" diameter="1.651"></pad> |
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|  | <pad name="13" x="0" y="-11.43" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="14" x="0" y="-13.97" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="15" x="0" y="-16.51" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="16" x="0" y="-19.05" drill="0.889" diameter="1.651"></pad> |
|  | <text x="-1.905" y="10.16" size="0.889" layer="25" ratio="11">&gt;NAME</text> |
|  | <text x="0.254" y="-1.905" size="0.635" layer="27" ratio="10" rot="R90">&gt;VALUE</text> |
|  | <rectangle x1="-1.27" y1="-20.32" x2="1.27" y2="20.32" layer="39"></rectangle> |
|  | </package> |
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|  | <description>&lt;b&gt;PIN HEADER&lt;/b&gt;</description> |
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|  | <pad name="2" x="-1.27" y="1.27" drill="1.016" shape="octagon"></pad> |
|  | <pad name="3" x="1.27" y="-1.27" drill="1.016" shape="octagon"></pad> |
|  | <pad name="4" x="1.27" y="1.27" drill="1.016" shape="octagon"></pad> |
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|  | <text x="-2.54" y="-4.445" size="1.27" layer="27">&gt;VALUE</text> |
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|  | <pad name="1" x="-1.27" y="3.81" drill="0.889" diameter="1.651" shape="square"></pad> |
|  | <pad name="2" x="-1.27" y="1.27" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="3" x="-1.27" y="-1.27" drill="0.889" diameter="1.651"></pad> |
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|  | <pad name="5" x="1.27" y="-3.81" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="6" x="1.27" y="-1.27" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="7" x="1.27" y="1.27" drill="0.889" diameter="1.651"></pad> |
|  | <pad name="8" x="1.27" y="3.81" drill="0.889" diameter="1.651"></pad> |
|  | <text x="-3.175" y="-1.905" size="0.889" layer="21" ratio="11" rot="R90">&gt;NAME</text> |
|  | <text x="3.81" y="-1.905" size="0.889" layer="27" ratio="11" rot="R90">&gt;VALUE</text> |
|  | <rectangle x1="-2.54" y1="-5.08" x2="2.54" y2="5.08" layer="39"></rectangle> |
|  | </package> |
|  | <package name="CR2032H"> |
|  | <description>&lt;b&gt;LI BATTERY&lt;/b&gt; Varta</description> |
|  | <wire x1="-0.635" y1="8.255" x2="0.635" y2="8.255" width="0.254" layer="21"></wire> |
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|  | <wire x1="-0.635" y1="-8.89" x2="0.635" y2="-8.89" width="0.254" layer="21"></wire> |
|  | <wire x1="-3.556" y1="11.049" x2="-6.604" y2="11.049" width="0.1524" layer="51"></wire> |
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|  | <pad name="+@1" x="-5.08" y="10.795" drill="1.1176" diameter="2.54" shape="octagon"></pad> |
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|  | </package> |
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|  | <description>&lt;b&gt;SLIDING SWITCH&lt;/b&gt;&lt;p&gt; |
|  | Mors, distributor Buerklin, 11G702</description> |
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|  | <text x="4.318" y="-0.889" size="1.778" layer="21" ratio="10">2</text> |
|  | <text x="-5.715" y="2.032" size="1.27" layer="25" ratio="10">&gt;NAME</text> |
|  | <text x="-5.715" y="-3.302" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | </package> |
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|  | <pad name="1" x="-1.27" y="-3.81" drill="0.8128" shape="long" rot="R90"></pad> |
|  | <pad name="2" x="1.27" y="-3.81" drill="0.8128" shape="long" rot="R90"></pad> |
|  | <pad name="3" x="1.27" y="3.81" drill="0.8128" shape="long" rot="R90"></pad> |
|  | <pad name="4" x="-1.27" y="3.81" drill="0.8128" shape="long" rot="R90"></pad> |
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|  | <text x="0.889" y="-3.048" size="1.27" layer="51" ratio="10">2</text> |
|  | <text x="-4.1402" y="-3.7592" size="1.27" layer="25" ratio="10" rot="R90">&gt;NAME</text> |
|  | <text x="3.5052" y="-3.1496" size="1.27" layer="27" ratio="10" rot="R90">&gt;VALUE</text> |
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|  | </package> |
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|  | <text x="0.889" y="-3.048" size="1.27" layer="51" ratio="10">3</text> |
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|  | <text x="0.889" y="-3.048" size="1.27" layer="51" ratio="10">4</text> |
|  | <text x="3.429" y="-3.048" size="1.27" layer="51" ratio="10">5</text> |
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|  | <text x="8.5852" y="-3.1496" size="1.27" layer="27" ratio="10" rot="R90">&gt;VALUE</text> |
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|  | </package> |
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|  | 1 x switch</description> |
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|  | </package> |
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|  | <description>&lt;b&gt;RELAY&lt;/b&gt;&lt;p&gt; |
|  | 2 x switch, 0.3 A/125 V AC, 1 A/30 V DC, Omron</description> |
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|  | <text x="14.605" y="-1.905" size="1.27" layer="51" ratio="10" rot="R90">G6A</text> |
|  | <text x="1.651" y="-0.889" size="1.778" layer="27" ratio="10">&gt;VALUE</text> |
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|  | <pad name="P$2" x="3.25" y="0" drill="1" diameter="2.54"></pad> |
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|  | <text x="-3.8862" y="-3.81" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | </package> |
|  | <package name="PIEZO-22MM"> |
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|  | <pad name="P$2" x="5" y="0" drill="1" diameter="2.54"></pad> |
|  | <text x="-2.54" y="11.35" size="1.27" layer="25" ratio="10">&gt;NAME</text> |
|  | <text x="-3.8862" y="-3.81" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | </package> |
|  | <package name="PHOTORESISTOR-2.54"> |
|  | <circle x="0" y="0" radius="2.5" width="0.1524" layer="21"></circle> |
|  | <pad name="P$1" x="-1.27" y="0" drill="1" diameter="1.5"></pad> |
|  | <pad name="P$2" x="1.27" y="0" drill="1" diameter="1.5"></pad> |
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|  | </package> |
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|  | <pad name="2" x="-3.355" y="-3.355" drill="1.3" diameter="2"></pad> |
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|  | <pad name="6" x="0" y="-4.75" drill="1.3" diameter="2"></pad> |
|  | <text x="-1.905" y="8.89" size="0.889" layer="25" ratio="11">&gt;NAME</text> |
|  | <text x="-1.905" y="0" size="0.889" layer="27" ratio="11">&gt;VALUE</text> |
|  | </package> |
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|  | 15-mm 1 character 7 segment, decimal point right</description> |
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|  | <wire x1="-2.7686" y1="6.3246" x2="-2.1336" y2="5.6896" width="0.4064" layer="51"></wire> |
|  | <wire x1="-2.1336" y1="5.6896" x2="-2.9718" y2="0.8128" width="0.4064" layer="51"></wire> |
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|  | <wire x1="-4.6482" y1="-5.9436" x2="-3.7846" y2="-1.2954" width="0.8128" layer="51"></wire> |
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|  | <pad name="6" x="-3.81" y="-5.08" drill="0.8128" shape="long"></pad> |
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|  | <pad name="8" x="3.81" y="-7.62" drill="0.8128" shape="long"></pad> |
|  | <pad name="9" x="3.81" y="-5.08" drill="0.8128" shape="long"></pad> |
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|  | <pad name="13" x="3.81" y="5.08" drill="0.8128" shape="long"></pad> |
|  | <pad name="14" x="3.81" y="7.62" drill="0.8128" shape="long"></pad> |
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|  | <text x="-5.08" y="-10.3" size="1.27" layer="27" ratio="10">&gt;VALUE</text> |
|  | </package> |
|  | <package name="HDSP-M"> |
|  | <description>&lt;b&gt;LED DISPLAY&lt;/b&gt;&lt;p&gt; |
|  | 15-mm 1 character 7 segment, decimal point right</description> |
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|  | </package> |
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|  | <pad name="13" x="28.956" y="50.8" drill="1.016" diameter="1.8796" rot="R90"></pad> |
|  | <pad name="12" x="31.496" y="50.8" drill="1.016" diameter="1.8796" rot="R90"></pad> |
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|  | <pad name="SCL" x="18.796" y="50.8" drill="1.016" diameter="1.8796" rot="R90"></pad> |
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|  | <text x="47.752" y="48.895" size="1.4224" layer="21" font="vector" ratio="15" rot="R270">6</text> |
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|  | <text x="30.734" y="49.022" size="1.4224" layer="21" font="vector" ratio="15" rot="R270">12</text> |
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|  | </package> |
|  | <package name="ARDUINO\_MICRO"> |
|  | <description>Footprint for representing an Arduino Micro board in an EAGLE schematic. Created by Dave Young for Element14. More EAGLE documentation at: http://www.element14.com/community/community/knode/cadsoft\_eagle</description> |
|  | <pad name="A0" x="11.43" y="1.27" drill="1.016" diameter="1.5748" rot="R90"></pad> |
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|  | <text x="37.846" y="15.875" size="0.508" layer="21">R |
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|  | X</text> |
|  | <text x="42.926" y="15.875" size="0.508" layer="21">S |
|  | S</text> |
|  | <text x="43.688" y="14.986" size="0.508" layer="21">MOSI</text> |
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|  | C |
|  | K</text> |
|  | <text x="43.053" y="0.762" size="0.508" layer="21">M |
|  | I</text> |
|  | <text x="40.513" y="0.762" size="0.508" layer="21">V |
|  | I</text> |
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|  | F</text> |
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|  | &lt;p&gt;'; |
|  | Die Standard-Design-Rules sind so gewählt, dass sie für '; |
|  | die meisten Anwendungen passen. Sollte ihre Platine '; |
|  | besondere Anforderungen haben, treffen Sie die erforderlichen'; |
|  | Einstellungen hier und speichern die Design Rules unter '; |
|  | einem neuen Namen ab.</description> |
|  | <description language="en">&lt;b&gt;EAGLE Design Rules&lt;/b&gt;'; |
|  | &lt;p&gt;'; |
|  | The default Design Rules have been set to cover'; |
|  | a wide range of applications. Your particular design'; |
|  | may have different requirements, so please make the'; |
|  | necessary adjustments and save your customized'; |
|  | design rules under a new name.</description> |
|  | <param name="layerSetup" value="(1\*16)"/> |
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|  | <param name="mtIsolate" value="1.5mm 0.15mm 0.2mm 0.15mm 0.2mm 0.15mm 0.2mm 0.15mm 0.2mm 0.15mm 0.2mm 0.15mm 0.2mm 0.15mm 0.2mm"/> |
|  | <param name="mdWireWire" value="8mil"/> |
|  | <param name="mdWirePad" value="8mil"/> |
|  | <param name="mdWireVia" value="8mil"/> |
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|  | <param name="mdViaVia" value="8mil"/> |
|  | <param name="mdSmdPad" value="8mil"/> |
|  | <param name="mdSmdVia" value="8mil"/> |
|  | <param name="mdSmdSmd" value="8mil"/> |
|  | <param name="mdViaViaSameLayer" value="8mil"/> |
|  | <param name="mnLayersViaInSmd" value="2"/> |
|  | <param name="mdCopperDimension" value="40mil"/> |
|  | <param name="mdDrill" value="8mil"/> |
|  | <param name="mdSmdStop" value="0mil"/> |
|  | <param name="msWidth" value="10mil"/> |
|  | <param name="msDrill" value="24mil"/> |
|  | <param name="msMicroVia" value="9.99mm"/> |
|  | <param name="msBlindViaRatio" value="0.5"/> |
|  | <param name="rvPadTop" value="0.25"/> |
|  | <param name="rvPadInner" value="0.25"/> |
|  | <param name="rvPadBottom" value="0.25"/> |
|  | <param name="rvViaOuter" value="0.25"/> |
|  | <param name="rvViaInner" value="0.25"/> |
|  | <param name="rvMicroViaOuter" value="0.25"/> |
|  | <param name="rvMicroViaInner" value="0.25"/> |
|  | <param name="rlMinPadTop" value="10mil"/> |
|  | <param name="rlMaxPadTop" value="20mil"/> |
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|  | <param name="rlMinPadBottom" value="10mil"/> |
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|  | <param name="rlMinViaOuter" value="8mil"/> |
|  | <param name="rlMaxViaOuter" value="20mil"/> |
|  | <param name="rlMinViaInner" value="8mil"/> |
|  | <param name="rlMaxViaInner" value="20mil"/> |
|  | <param name="rlMinMicroViaOuter" value="4mil"/> |
|  | <param name="rlMaxMicroViaOuter" value="20mil"/> |
|  | <param name="rlMinMicroViaInner" value="4mil"/> |
|  | <param name="rlMaxMicroViaInner" value="20mil"/> |
|  | <param name="psTop" value="-1"/> |
|  | <param name="psBottom" value="-1"/> |
|  | <param name="psFirst" value="-1"/> |
|  | <param name="psElongationLong" value="100"/> |
|  | <param name="psElongationOffset" value="100"/> |
|  | <param name="mvStopFrame" value="1"/> |
|  | <param name="mvCreamFrame" value="0"/> |
|  | <param name="mlMinStopFrame" value="4mil"/> |
|  | <param name="mlMaxStopFrame" value="4mil"/> |
|  | <param name="mlMinCreamFrame" value="0mil"/> |
|  | <param name="mlMaxCreamFrame" value="0mil"/> |
|  | <param name="mlViaStopLimit" value="0mil"/> |
|  | <param name="srRoundness" value="0"/> |
|  | <param name="srMinRoundness" value="0mil"/> |
|  | <param name="srMaxRoundness" value="0mil"/> |
|  | <param name="slThermalIsolate" value="10mil"/> |
|  | <param name="slThermalsForVias" value="0"/> |
|  | <param name="dpMaxLengthDifference" value="10mm"/> |
|  | <param name="dpGapFactor" value="2.5"/> |
|  | <param name="checkGrid" value="0"/> |
|  | <param name="checkAngle" value="0"/> |
|  | <param name="checkFont" value="1"/> |
|  | <param name="checkRestrict" value="1"/> |
|  | <param name="useDiameter" value="13"/> |
|  | <param name="maxErrors" value="50"/> |
|  | </designrules> |
|  | <autorouter> |
|  | <pass name="Default"> |
|  | <param name="RoutingGrid" value="50mil"/> |
|  | <param name="AutoGrid" value="1"/> |
|  | <param name="Efforts" value="0"/> |
|  | <param name="TopRouterVariant" value="1"/> |
|  | <param name="tpViaShape" value="round"/> |
|  | <param name="PrefDir.1" value="a"/> |
|  | <param name="PrefDir.2" value="0"/> |
|  | <param name="PrefDir.3" value="0"/> |
|  | <param name="PrefDir.4" value="0"/> |
|  | <param name="PrefDir.5" value="0"/> |
|  | <param name="PrefDir.6" value="0"/> |
|  | <param name="PrefDir.7" value="0"/> |
|  | <param name="PrefDir.8" value="0"/> |
|  | <param name="PrefDir.9" value="0"/> |
|  | <param name="PrefDir.10" value="0"/> |
|  | <param name="PrefDir.11" value="0"/> |
|  | <param name="PrefDir.12" value="0"/> |
|  | <param name="PrefDir.13" value="0"/> |
|  | <param name="PrefDir.14" value="0"/> |
|  | <param name="PrefDir.15" value="0"/> |
|  | <param name="PrefDir.16" value="a"/> |
|  | <param name="cfVia" value="8"/> |
|  | <param name="cfNonPref" value="5"/> |
|  | <param name="cfChangeDir" value="2"/> |
|  | <param name="cfOrthStep" value="2"/> |
|  | <param name="cfDiagStep" value="3"/> |
|  | <param name="cfExtdStep" value="0"/> |
|  | <param name="cfBonusStep" value="1"/> |
|  | <param name="cfMalusStep" value="1"/> |
|  | <param name="cfPadImpact" value="4"/> |
|  | <param name="cfSmdImpact" value="4"/> |
|  | <param name="cfBusImpact" value="0"/> |
|  | <param name="cfHugging" value="3"/> |
|  | <param name="cfAvoid" value="4"/> |
|  | <param name="cfPolygon" value="10"/> |
|  | <param name="cfBase.1" value="0"/> |
|  | <param name="cfBase.2" value="1"/> |
|  | <param name="cfBase.3" value="1"/> |
|  | <param name="cfBase.4" value="1"/> |
|  | <param name="cfBase.5" value="1"/> |
|  | <param name="cfBase.6" value="1"/> |
|  | <param name="cfBase.7" value="1"/> |
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|  | <param name="cfBase.9" value="1"/> |
|  | <param name="cfBase.10" value="1"/> |
|  | <param name="cfBase.11" value="1"/> |
|  | <param name="cfBase.12" value="1"/> |
|  | <param name="cfBase.13" value="1"/> |
|  | <param name="cfBase.14" value="1"/> |
|  | <param name="cfBase.15" value="1"/> |
|  | <param name="cfBase.16" value="0"/> |
|  | <param name="mnVias" value="20"/> |
|  | <param name="mnSegments" value="9999"/> |
|  | <param name="mnExtdSteps" value="9999"/> |
|  | <param name="mnRipupLevel" value="10"/> |
|  | <param name="mnRipupSteps" value="100"/> |
|  | <param name="mnRipupTotal" value="100"/> |
|  | </pass> |
|  | <pass name="Follow-me" refer="Default" active="yes"> |
|  | </pass> |
|  | <pass name="Busses" refer="Default" active="yes"> |
|  | <param name="cfNonPref" value="4"/> |
|  | <param name="cfBusImpact" value="4"/> |
|  | <param name="cfHugging" value="0"/> |
|  | <param name="mnVias" value="0"/> |
|  | </pass> |
|  | <pass name="Route" refer="Default" active="yes"> |
|  | </pass> |
|  | <pass name="Optimize1" refer="Default" active="yes"> |
|  | <param name="cfVia" value="99"/> |
|  | <param name="cfExtdStep" value="10"/> |
|  | <param name="cfHugging" value="1"/> |
|  | <param name="mnExtdSteps" value="1"/> |
|  | <param name="mnRipupLevel" value="0"/> |
|  | </pass> |
|  | <pass name="Optimize2" refer="Optimize1" active="yes"> |
|  | <param name="cfNonPref" value="0"/> |
|  | <param name="cfChangeDir" value="6"/> |
|  | <param name="cfExtdStep" value="0"/> |
|  | <param name="cfBonusStep" value="2"/> |
|  | <param name="cfMalusStep" value="2"/> |
|  | <param name="cfPadImpact" value="2"/> |
|  | <param name="cfSmdImpact" value="2"/> |
|  | <param name="cfHugging" value="0"/> |
|  | </pass> |
|  | <pass name="Optimize3" refer="Optimize2" active="yes"> |
|  | <param name="cfChangeDir" value="8"/> |
|  | <param name="cfPadImpact" value="0"/> |
|  | <param name="cfSmdImpact" value="0"/> |
|  | </pass> |
|  | <pass name="Optimize4" refer="Optimize3" active="yes"> |
|  | <param name="cfChangeDir" value="25"/> |
|  | </pass> |
|  | </autorouter> |
|  | <elements> |
|  | <element value="" name="U1" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="ARDUINO\_UNO" x="5" y="10.08"></element><element value="" name="U2" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="1X16P-2.54-2.54-11.6-3.0-BLACK-MALE" x="5" y="22.78"></element><element value="250k‎Ω" name="Rpot1" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="B25V" x="5" y="35.480000000000004"></element><element value="220‎Ω" name="R1" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="0207/10" x="5" y="48.18"></element><element value="1m‎Ω" name="R2" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="0207/10" x="5" y="60.879999999999995"></element><element value="1m‎Ω" name="R3" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="0207/10" x="5" y="73.58"></element><element value="1m‎Ω" name="R4" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="0207/10" x="5" y="86.28"></element><element value="1m‎Ω" name="R5" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="0207/10" x="5" y="98.98"></element><element value="" name="SW3" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="DIP02YL-DPST" x="5" y="111.68"></element><element value="1m‎Ω" name="R7" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="0207/10" x="5" y="124.38000000000001"></element><element value="1k‎Ω" name="R8" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="0207/10" x="5" y="137.08"></element><element value="1k‎Ω" name="R9" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="0207/10" x="5" y="149.78000000000003"></element><element value="1k‎Ω" name="R10" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="0207/10" x="5" y="162.48000000000005"></element><element value="1k‎Ω" name="R11" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="0207/10" x="5" y="175.18000000000006"></element><element value="" name="SW1" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="DIP04YL" x="5" y="187.88000000000008"></element><element value="" name="SW2" library="AUTODESK\_CIRCUITS\_BREADBOARD" package="DIP04YL" x="5" y="200.5800000000001"></element></elements> |
|  | <signals> |
|  | <signal name="N$1"><contactref element="U1" pad="12"></contactref><contactref element="U2" pad="4"></contactref><wire x1="36.495999999999995" y1="60.879999999999995" x2="5" y2="34.21" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$2"><contactref element="U2" pad="6"></contactref><contactref element="U1" pad="11"></contactref><wire x1="5" y1="29.130000000000003" x2="39.036" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$3"><contactref element="U2" pad="11"></contactref><contactref element="U1" pad="5"></contactref><wire x1="5" y1="16.43" x2="55.8" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$4"><contactref element="U2" pad="12"></contactref><contactref element="U1" pad="4"></contactref><wire x1="5" y1="13.89" x2="58.34" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$5"><contactref element="U2" pad="13"></contactref><contactref element="U1" pad="3"></contactref><wire x1="5" y1="11.350000000000001" x2="60.88" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$6"><contactref element="U2" pad="14"></contactref><contactref element="U1" pad="2"></contactref><wire x1="5" y1="8.81" x2="63.42" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$7"><contactref element="U2" pad="15"></contactref><contactref element="R1" pad="2"></contactref><wire x1="5" y1="6.27" x2="10.08" y2="48.18" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$8"><contactref element="U1" pad="GND.."></contactref><contactref element="U2" pad="1"></contactref><wire x1="45.64" y1="12.620000000000001" x2="5" y2="41.83" width="0" layer="19" extent="1-1"></wire><contactref element="Rpot1" pad="E"></contactref><wire x1="5" y1="41.83" x2="2.46" y2="36.115" width="0" layer="19" extent="1-1"></wire><contactref element="U2" pad="16"></contactref><wire x1="2.46" y1="36.115" x2="5" y2="3.7300000000000004" width="0" layer="19" extent="1-1"></wire><contactref element="U2" pad="5"></contactref><wire x1="5" y1="3.7300000000000004" x2="5" y2="31.67" width="0" layer="19" extent="1-1"></wire><contactref element="R5" pad="1"></contactref><wire x1="5" y1="31.67" x2="-0.08000000000000007" y2="98.98" width="0" layer="19" extent="1-1"></wire><contactref element="R2" pad="1"></contactref><wire x1="-0.08000000000000007" y1="98.98" x2="-0.08000000000000007" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire><contactref element="R3" pad="1"></contactref><wire x1="-0.08000000000000007" y1="60.879999999999995" x2="-0.08000000000000007" y2="73.58" width="0" layer="19" extent="1-1"></wire><contactref element="R4" pad="1"></contactref><wire x1="-0.08000000000000007" y1="73.58" x2="-0.08000000000000007" y2="86.28" width="0" layer="19" extent="1-1"></wire><contactref element="R7" pad="1"></contactref><wire x1="-0.08000000000000007" y1="86.28" x2="-0.08000000000000007" y2="124.38000000000001" width="0" layer="19" extent="1-1"></wire><contactref element="R9" pad="1"></contactref><wire x1="-0.08000000000000007" y1="124.38000000000001" x2="-0.08000000000000007" y2="149.78000000000003" width="0" layer="19" extent="1-1"></wire><contactref element="R8" pad="1"></contactref><wire x1="-0.08000000000000007" y1="149.78000000000003" x2="-0.08000000000000007" y2="137.08" width="0" layer="19" extent="1-1"></wire><contactref element="R11" pad="1"></contactref><wire x1="-0.08000000000000007" y1="137.08" x2="-0.08000000000000007" y2="175.18000000000006" width="0" layer="19" extent="1-1"></wire><contactref element="R10" pad="1"></contactref><wire x1="-0.08000000000000007" y1="175.18000000000006" x2="-0.08000000000000007" y2="162.48000000000005" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$9"><contactref element="R4" pad="2"></contactref><contactref element="SW1" pad="1"></contactref><wire x1="10.08" y1="86.28" x2="1.19" y2="184.07000000000008" width="0" layer="19" extent="1-1"></wire><contactref element="U1" pad="6"></contactref><wire x1="1.19" y1="184.07000000000008" x2="53.26" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$10"><contactref element="U1" pad="7"></contactref><contactref element="SW1" pad="2"></contactref><wire x1="50.72" y1="60.879999999999995" x2="3.73" y2="184.07000000000008" width="0" layer="19" extent="1-1"></wire><contactref element="R3" pad="2"></contactref><wire x1="3.73" y1="184.07000000000008" x2="10.08" y2="73.58" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$11"><contactref element="R2" pad="2"></contactref><contactref element="SW1" pad="3"></contactref><wire x1="10.08" y1="60.879999999999995" x2="6.27" y2="184.07000000000008" width="0" layer="19" extent="1-1"></wire><contactref element="U1" pad="8"></contactref><wire x1="6.27" y1="184.07000000000008" x2="46.656" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$12"><contactref element="R5" pad="2"></contactref><contactref element="SW1" pad="4"></contactref><wire x1="10.08" y1="98.98" x2="8.81" y2="184.07000000000008" width="0" layer="19" extent="1-1"></wire><contactref element="U1" pad="9"></contactref><wire x1="8.81" y1="184.07000000000008" x2="44.116" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$13"><contactref element="R7" pad="2"></contactref><contactref element="SW3" pad="1"></contactref><wire x1="10.08" y1="124.38000000000001" x2="3.73" y2="107.87" width="0" layer="19" extent="1-1"></wire><contactref element="U1" pad="A0"></contactref><wire x1="3.73" y1="107.87" x2="55.8" y2="12.620000000000001" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$14"><contactref element="SW2" pad="4"></contactref><contactref element="R10" pad="2"></contactref><wire x1="8.81" y1="196.7700000000001" x2="10.08" y2="162.48000000000005" width="0" layer="19" extent="1-1"></wire><contactref element="U1" pad="13"></contactref><wire x1="10.08" y1="162.48000000000005" x2="33.956" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$15"><contactref element="R11" pad="2"></contactref><contactref element="SW2" pad="3"></contactref><wire x1="10.08" y1="175.18000000000006" x2="6.27" y2="196.7700000000001" width="0" layer="19" extent="1-1"></wire><contactref element="U1" pad="10"></contactref><wire x1="6.27" y1="196.7700000000001" x2="41.576" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$16"><contactref element="R8" pad="2"></contactref><contactref element="SW2" pad="2"></contactref><wire x1="10.08" y1="137.08" x2="3.73" y2="196.7700000000001" width="0" layer="19" extent="1-1"></wire><contactref element="U1" pad="1"></contactref><wire x1="3.73" y1="196.7700000000001" x2="65.96000000000001" y2="60.879999999999995" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$17"><contactref element="R9" pad="2"></contactref><contactref element="SW2" pad="1"></contactref><wire x1="10.08" y1="149.78000000000003" x2="1.19" y2="196.7700000000001" width="0" layer="19" extent="1-1"></wire><contactref element="U1" pad="A1"></contactref><wire x1="1.19" y1="196.7700000000001" x2="58.34" y2="12.620000000000001" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$18"><contactref element="U2" pad="3"></contactref><contactref element="Rpot1" pad="S"></contactref><wire x1="5" y1="36.75" x2="5" y2="36.115" width="0" layer="19" extent="1-1"></wire></signal><signal name="N$19"><contactref element="Rpot1" pad="A"></contactref><contactref element="U1" pad="5V"></contactref><wire x1="7.54" y1="36.115" x2="43.1" y2="12.620000000000001" width="0" layer="19" extent="1-1"></wire><contactref element="U2" pad="2"></contactref><wire x1="43.1" y1="12.620000000000001" x2="5" y2="39.290000000000006" width="0" layer="19" extent="1-1"></wire><contactref element="R1" pad="1"></contactref><wire x1="5" y1="39.290000000000006" x2="-0.08000000000000007" y2="48.18" width="0" layer="19" extent="1-1"></wire><contactref element="SW2" pad="7"></contactref><wire x1="-0.08000000000000007" y1="48.18" x2="3.73" y2="204.3900000000001" width="0" layer="19" extent="1-1"></wire><contactref element="SW2" pad="6"></contactref><wire x1="3.73" y1="204.3900000000001" x2="6.27" y2="204.3900000000001" width="0" layer="19" extent="1-1"></wire><contactref element="SW2" pad="5"></contactref><wire x1="6.27" y1="204.3900000000001" x2="8.81" y2="204.3900000000001" width="0" layer="19" extent="1-1"></wire><contactref element="SW2" pad="8"></contactref><wire x1="8.81" y1="204.3900000000001" x2="1.19" y2="204.3900000000001" width="0" layer="19" extent="1-1"></wire><contactref element="SW1" pad="8"></contactref><wire x1="1.19" y1="204.3900000000001" x2="1.19" y2="191.69000000000008" width="0" layer="19" extent="1-1"></wire><contactref 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|  | </board> |
|  | </drawing> |
|  | </eagle> |