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I_{set} = \frac{890}{R_{\text{set}}} = 190\text{mA}
\[3.15V < V_{\text{SYS}} < 4.4V\]
I_{\text{term}} = 0.03 \times R_{\text{term}}/R_{\text{set}} = 14\text{mA}
T_{\text{Mr}} = 8 \times R_{\text{Mr}}/1k = 376\text{min} = 6.2\text{hrs if floating}\]
5 \text{hrs}
I_{\text{lim}} = \frac{1550}{R_{\text{lim}}}

**Table:**

<table>
<thead>
<tr>
<th>EN2</th>
<th>EN1</th>
<th>Maximum input current into IN pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>100 mA, USB100 mode</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
<td>500 mA, USB500 mode</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>Set by an external resistor from ILIM to VSS</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>Standby (USB suspend mode)</td>
</tr>
</tbody>
</table>
Refer to Document Intel(r) Edison breakout board users guide for button usage

Power Button

EDISON BREAKOUT BOARD

Title: BUTTON AND I/O CONNECTIONS

Size: A

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Sheet: 7 of 8