Power and FLiP Socket

10V to 12V

VIn

Screw Terminal 5mm 2way

DC Barrel (for charger)

Power Barrel Connector Jack
2.1mm pin, 5.5mm barrel 2.5amp max

Battery voltage monitor

VIN

set IO low to discharge cap
start counter and set pin input

40 pin 0.1" pitch socket, suitable for FLiP
(Shown with four 10pin headers, mfg with two 20pin headers)

Power Supply Modules - fitted with 0.1" header pins

Power Supply Module Sockets (BOM only)

Power Supply Module Pins (BOM only)

FLiP-Pi Hat  Raspberry Pi Hat

Part Number: 32343

Parallax Inc.
599 Menlo Drive
Rocklin, CA 95765

(916) 624-8333
http://www.parallax.com/

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Last Update: 13 Sep 2017 (MM)
40 pin 0.1" pitch header, break out all FLiP pins

Accessory power headers

Note: Extra 3.3V out here rather than VIN

WARNING! Most Dangerous / Crucial Polarity!!

4 Way headers for 3-pin servo ports (BOM only)
<table>
<thead>
<tr>
<th>RefDes</th>
<th>Quantity</th>
<th>Value</th>
<th>Name</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>C100</td>
<td>1</td>
<td>0.1μF 100V</td>
<td>200-01040 : CAP-MONO,0.1μF,100V,X7R,RA</td>
<td>AVX : SR201C104MAATR1</td>
</tr>
<tr>
<td>J101, J102, J212, J213</td>
<td>4</td>
<td>Header 1x20 0.1&quot;</td>
<td>newPN : CON-SCKT,1x20,0.1,TH</td>
<td>Sullins : PPTC201LFBN-RC</td>
</tr>
<tr>
<td>J103</td>
<td>1</td>
<td>Power Barrel Connector Jack</td>
<td>452-00094 : Jack,Barell,2.1mm,2-pin</td>
<td>CUI : PJ-037A</td>
</tr>
<tr>
<td>J106, J107, J108, J109, J110, J111, J112, J113</td>
<td>8</td>
<td>Pin Socket 0.1&quot; 2way</td>
<td>452-00077 : DISCON CON-SCKT,1x2,F,0.1&quot;</td>
<td>Sullins : PPTC201LFBN-RC</td>
</tr>
<tr>
<td>J114, J115, J116, J117, J118, J119, J120, J121, J129</td>
<td>9</td>
<td>Pin Header 0.1&quot; 2way</td>
<td>newPN : CON-HDR,1x2,0.1&quot;,Straight,TH</td>
<td>FCI : 68000-202HLF</td>
</tr>
<tr>
<td>J205, J206, J207, J208, J210, J211, J216, J201a, J202a, J203a, J204a</td>
<td>11</td>
<td>Pin Header 0.1&quot; 4way</td>
<td>newPN : CON-HDR,1x4,0.1&quot;,Straight,TH</td>
<td>FCI : 68000-204HLF</td>
</tr>
<tr>
<td>R100</td>
<td>1</td>
<td>10K 1/4W</td>
<td>150-01040 : RES,100K,5x,1/4W,CF,TH</td>
<td>Yaego : CFR-25JB-52-100K</td>
</tr>
<tr>
<td>R201, R202</td>
<td>2</td>
<td>10K 1/4W</td>
<td>150-01030 : RES,10K,5x,1/4W,CF,TH</td>
<td>KOA : CF1/4CT52R103J</td>
</tr>
<tr>
<td>TB100</td>
<td>1</td>
<td>Screw Terminal 5mm 2way</td>
<td>452-00012 : 2 Pos Screw Terminal- LF</td>
<td>Phoenix Contact : 1935161</td>
</tr>
<tr>
<td>U100, U101</td>
<td>2</td>
<td>Power Supply Module</td>
<td>newPN : TOOGOO MP1584EN</td>
<td>TOOGOO : MP1584EN</td>
</tr>
</tbody>
</table>

Not included: Kitted parts - Standoffs/Fixings