### TIDA-010074 REV E1 Bill of Materials

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<tr>
<th>Designator</th>
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<td>R68</td>
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<td>RES, 10 M, 5%, 0.1 W, 0603</td>
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<td>R69, R104, R105, R123, R132, R133, R136, R138, R141, R144</td>
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<td>R70, R98, R103, R108, R113, R116, R128, R130, R135, R139, R145</td>
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<td>ERJ-3EKF3603V</td>
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<td>RES, 360 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603</td>
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<td>R77, R78, R79</td>
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<td>RES, 20, 5%, 0.75 W, AEC-Q200 Grade 0, 2010</td>
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<td>R83</td>
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<td>R94, R96, R149</td>
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<td>R142, R143</td>
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<td>0.002</td>
<td>CSNL2512FT2L00</td>
<td>Stackpole Electronics Inc</td>
<td>RES, 0.002, 1%, 2 W, 2512</td>
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<td>RES, 604, 1%, 1 W, AEC-Q200 Grade 0, 2512</td>
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<td>NTCALUG03A103G</td>
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<td>Thermistor NTC, 10k ohm, 2%, NTC Thermistor, Mini Lug Sensor, Pitch 1.5mm</td>
<td>NTC Thermistor, Mini Lug Sensor, Pitch 1.5mm</td>
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<td>S1, S2</td>
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<td>C&amp;K Components</td>
<td>Switch, Tactile, SPST-NO, 0.05A, 12V, SMD</td>
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<td>T1</td>
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<td>475uH</td>
<td>760390012</td>
<td>Wurth Elektronik</td>
<td>Transformer, 475 uH, SMT</td>
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<td>BQ7694003DBTR</td>
<td>Texas Instruments</td>
<td>9 to 15-Series Cell Li-Ion and Li-Phosphate Battery Monitor (bq7694003 Family), DBT0044A (TSSOP-44)</td>
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<td>U2, U9</td>
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<td>TLV70433DBVR</td>
<td>Texas Instruments</td>
<td>Single Output LDO, 150 mA, Fixed 3.3 V Output, 2.5 to 24 V Input, with Ultra-Low IQ, 5-pin SOT-23 (DBV), -40 to 125 degC, Green (RoHS &amp; no Pb/Br)</td>
<td>DBV0005A</td>
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<td>Texas Instruments</td>
<td>24MHz 105C ULP Microcontroller With 32 KB FRAM, 4 KB SRAM, 44 IO, 12-bit ADC, DBT0038A (TSSOP-38)</td>
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<td>Texas Instruments</td>
<td>Low Power Dual Operational Amplifier, 8-pin Narrow SOIC</td>
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<td>SN6501DBVR</td>
<td>Texas Instruments</td>
<td>Low-Noise 350 mA, 410 kHz Transformer Driver, DBV0005A (SOT-23-5)</td>
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<td>U7, U8</td>
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<td>TLP293(GB-TPL,E)</td>
<td>Toshiba</td>
<td>Optocoupler, 3.75 kV, 100-600% CTR, SMT</td>
<td>SOP, 4-Leads, Body 2.65x4.60mm, Pitch 1.27mm</td>
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<td>THVD1500DR</td>
<td>Texas Instruments</td>
<td>250 kbps RS-485 Transceivers With +/-12-kV IEC ESD Protection, D0008A (SOIC-8)</td>
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<td>DBV0005A</td>
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<td>Texas Instruments</td>
<td>ESD Protection Array for AC Signal Data Interface, 2 Channels, -40 to +85 degC, 3-pin SC70 (DCK), Green (RoHS &amp; no Sb/Br)</td>
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<td>100-V Low IQ Synchronous Buck Regulator, DDA0008E (SOIC-8)</td>
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