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Part #: PIPER HC BOOST	Revision: V3.0	Date: 5/10/2019	Quote #: 5328516
University of California - Santa Barbara			Quote valid for 30 days

### STANDARD SPEC Price Matrix:

(Qty = Pieces, Not Arrays)

- Standard Spec bare board pricing assumes lead-free HAL (alternatively, board finish may be upgraded to ENIG or Silver at no additional cost in the rare event lead-free HAL becomes temporarily unavailable), FR4, green mask, white silkscreen, and non-plated slots.
- We now offer both non-plated and plated thru holes on all of our standard spec boards (if no specifications provided, holes will be plated).
- INCLUDES UL markings and date codes. 94V-0 is added if requested at time of order entry or if noted in files. Minimum finished hole size .010". Hole tolerance +/- .005". Minimum Trace/Space .005".
- All files receive full CAM review and inspection to IPC class 2-A600.
- If your design includes countersink/counterbore or if you have controlled dielectric/stackup or impedance requirements, refer to Custom Spec matrix.
- Electrical Test is optional for 0-6 layer board. Unit price does not include shipping and handling. AC Terms and Conditions apply.
- Advanced Circuits has a 90 day limited warranty and we will not accept liability for any cost in addition to the value of the bare boards including but not limited to components, labor, business interruptions and any other consequential damages or losses. Advanced Circuits disclaims any open-ended acceptance of liability for losses beyond our control.

To Place Order, Click on UNIT PRICE below:

Qty	Same Day	1-day	2-day	3-day	4-day	5-day	E Test(Lot)
3	N/A	<a href="#">\$735.14</a>	<a href="#">\$458.87</a>	<a href="#">\$379.94</a>	<a href="#">\$320.74</a>	<a href="#">\$261.54</a>	\$135.00
6	N/A	<a href="#">\$374.91</a>	<a href="#">\$236.78</a>	<a href="#">\$197.31</a>	<a href="#">\$167.71</a>	<a href="#">\$138.11</a>	\$150.00
12	N/A	<a href="#">\$192.96</a>	<a href="#">\$123.89</a>	<a href="#">\$104.16</a>	<a href="#">\$89.36</a>	<a href="#">\$74.56</a>	\$180.00
51	N/A	<a href="#">\$48.43</a>	<a href="#">\$32.17</a>	<a href="#">\$27.53</a>	<a href="#">\$24.05</a>	<a href="#">\$20.57</a>	\$325.48
Tooling NRE = \$0							

AS A SPEC & PRICING ALTERNATIVE  
THE STANDARD SPEC MATRIX  
ASSUMES:

See #1 thru #7 above.  
Inner Layer Cu Wt: 1 oz.  
Outer Layer Cu Wt: 1 oz.

### CUSTOM SPEC Price Matrix:

(Qty = Pieces, Not Arrays)

- The Custom Spec bare board Matrix reflects pricing for the EXACT SPECS you QUOTED (except as noted in the comments).
- Our default multi-layer FR4 material is Isola 185HR or equivalent.
- All files receive full CAM review and inspection to the certification / qualification you select below.
- INCLUDES UL markings and date codes. 94V-0 is added if requested at time of order entry or if noted in files. Finished hole tolerance +/- .003" (if requested). Unit price does not include shipping and handling. AC Terms and Conditions apply.
- Advanced Circuits has a 90 day limited warranty and we will not accept liability for any cost in addition to the value of the bare boards including but not limited to components, labor, business interruptions and any other consequential damages or losses. Advanced Circuits disclaims any open-ended acceptance of liability for losses beyond our control.

To Place Order, Click on UNIT PRICE below:

Qty	Same Day	1-day	2-day	3-day	4-day	1-week	2-week	3-week	4-week
3	N/A	<a href="#">\$982.02</a>	<a href="#">\$639.49</a>	<a href="#">\$438.01</a>	<a href="#">\$377.56</a>	<a href="#">\$357.42</a>	<a href="#">\$317.12</a>	<a href="#">\$276.82</a>	<a href="#">\$236.53</a>
6	N/A	<a href="#">\$497.67</a>	<a href="#">\$324.01</a>	<a href="#">\$221.85</a>	<a href="#">\$191.21</a>	<a href="#">\$180.99</a>	<a href="#">\$160.56</a>	<a href="#">\$140.13</a>	<a href="#">\$119.70</a>
12	N/A	<a href="#">\$255.50</a>	<a href="#">\$166.27</a>	<a href="#">\$113.77</a>	<a href="#">\$98.03</a>	<a href="#">\$92.78</a>	<a href="#">\$82.28</a>	<a href="#">\$71.78</a>	<a href="#">\$61.28</a>
51	N/A	<a href="#">\$70.31</a>	<a href="#">\$45.64</a>	<a href="#">\$31.13</a>	<a href="#">\$26.77</a>	<a href="#">\$25.32</a>	<a href="#">\$22.42</a>	<a href="#">\$19.52</a>	<a href="#">\$16.61</a>
Tooling NRE = \$300.00 (Tooling waived when re-ordered) * Testing = \$325.48									

\* ET charges shown above do not include Hi-Pot test charges.

Part #	PIPER HC BOO	Revision #	V3.0	Layer count	4
X Dimension	3	Y Dimension	1.5	Array	<input checked="" type="checkbox"/>
Array X Dim	4	Array Y Dim	5.5	Array Up	3
Tab-Route?	<input type="checkbox"/>	Scoring?	<input checked="" type="checkbox"/>		
Material Type	FR4	Finish Thickness	0.062"	Finish Plating	Lead Free Solde
Gold Fingers?	None	Copper Wt. (Outer)	2 oz	Copper Wt. (Inner)	2 oz
SolderMaskType	LPI	Soldermask	both sides	Soldermask Color	Green
Outer Min. Trace/Space	0.005"	Inner Min Trace/Space	0.008"		

Smallest Hole Size	0.02	Silkscreen	both sides ▼	Silkscreen Color	White ▼
Top SMD Pads	74	Bottom SMD Pads	10	Min. Pitch	0.050" ▼
<b>Certifications &amp; Qualifications:</b>	IPC Class 2-A600 ▼ (Pricing Subject To File Review)		<input type="checkbox"/> CAM Review (C3)		
	<input type="checkbox"/> AS9100? (AS9102 FAI \$400.00 minimum if applicable)				
<b>Additional Attributes:</b>	<input type="checkbox"/> Controlled Dielectric?		<input type="checkbox"/> CAM Review (Impedance)		
	<input type="checkbox"/> Controlled Impedance? (Pricing Subject To File Review)				
	<input type="checkbox"/> Plated Slots?		<input type="checkbox"/> CAM Review (Edges)		
	<input type="checkbox"/> Plated Edges? (Pricing Subject To File Review)				
	<input type="checkbox"/> Counterbores?				
	<input type="checkbox"/> Countersinks?				
	<input type="checkbox"/> Castellated Holes?				
<b>Advanced Technologies:</b>	Blind/Buried Vias? None ▼		Microvias? None ▼ (Finished hole size <= .006")		
	Blind/Buried Via Fill None ▼		Via-In-Pad? None ▼		
	<input type="checkbox"/> Soldermask Plugged Vias?				
<b>Optional Specs:</b>	<input type="checkbox"/> Holes Plated .0015?		# Holes Per Board 80		
<b>Select only if known... NOT REQUIRED for ONLINE QUOTING</b>	<input type="checkbox"/> Cores < .004?		# Pem Nuts 0		
	<input type="checkbox"/> Etchback?		LPI Legend None ▼		
	<input type="checkbox"/> Cover Coat?		<input type="checkbox"/> Edge Mill?		
	<input type="checkbox"/> Cavity Process?		<input type="checkbox"/> Laser Rout?		
	<input type="checkbox"/> Controlled Depth Drilling?		<input type="checkbox"/> Unique Serialization?		
	<input type="checkbox"/> Back Drilling?		<input type="checkbox"/> Tetra Etch?		
<b>Panelization</b> ⚙	Panel Size 18x24 ▼		User # Up 0		System # Up 30 ⚙⚙
<b>Quantities:</b>	3	6	12	51	ITAR <input type="radio"/> Yes <input checked="" type="radio"/> No
<b>Comments:</b>	<div>*MW</div>				

Price Audit

MQ

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