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|                         |              |                  |                  |
|-------------------------|--------------|------------------|------------------|
| Part #: 100221305       | Revision: A4 | Date: 12/16/2018 | Quote #: 5222550 |
| Quote valid for 30 days |              |                  |                  |

**STANDARD SPEC Price Matrix:****(Qty = Pieces, Not Arrays)**

1. 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.
2. 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).
3. 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".
4. All files receive full CAM review and inspection to IPC class 2-A600.
5. If your design includes countersink/counterbore or if you have controlled dielectric/stackup or impedance requirements, refer to Custom Spec matrix.
6. Electrical Test is optional for 0-6 layer board. Unit price does not include shipping and handling. AC Terms and Conditions apply.
7. 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) |
|-------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------|
| 5                 | <a href="#">Call Us</a> | <a href="#">\$452.17</a> | <a href="#">\$286.41</a> | <a href="#">\$239.05</a> | <a href="#">\$203.53</a> | <a href="#">\$168.01</a> | \$145.00    |
| 10                | <a href="#">Call Us</a> | <a href="#">\$232.69</a> | <a href="#">\$149.81</a> | <a href="#">\$126.13</a> | <a href="#">\$108.37</a> | <a href="#">\$90.61</a>  | \$170.00    |
| 50                | <a href="#">Call Us</a> | <a href="#">Call Us</a>  | <a href="#">Call Us</a>  | <a href="#">Call Us</a>  | <a href="#">Call Us</a>  | <a href="#">Call Us</a>  | \$287.99    |
| 150               | <a href="#">Call Us</a> | <a href="#">Call Us</a>  | <a href="#">Call Us</a>  | <a href="#">Call Us</a>  | <a href="#">Call Us</a>  | <a href="#">Call Us</a>  | \$287.99    |
| Tooling NRE = \$0 |                         |                          |                          |                          |                          |                          |             |

**AS A SPEC & PRICING ALTERNATIVE  
THE STANDARD SPEC MATRIX  
ASSUMES:****See #1 thru #7 above.  
Inner Layer Cu Wt: 1 oz.****CUSTOM SPEC Price Matrix: (Qty = Pieces, Not Arrays)**

1. The Custom Spec bare board Matrix reflects pricing for the **EXACT SPECS** you **QUOTED** (except as noted in the comments).
2. Our default multi-layer FR4 material is Isola 185HR or equivalent.
3. All files receive full CAM review and inspection to the certification / qualification you select below.
4. 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.
5. 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                   |
|------------------------------------------------------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 5                                                                            | <a href="#">Call Us</a> | <a href="#">\$562.83</a> | <a href="#">\$366.94</a> | <a href="#">\$251.71</a> | <a href="#">\$217.14</a> | <a href="#">\$205.62</a> | <a href="#">\$182.57</a> | <a href="#">\$159.52</a> | <a href="#">\$136.48</a> |
| 10                                                                           | <a href="#">Call Us</a> | <a href="#">\$313.27</a> | <a href="#">\$203.85</a> | <a href="#">\$139.48</a> | <a href="#">\$120.17</a> | <a href="#">\$113.73</a> | <a href="#">\$100.86</a> | <a href="#">\$87.99</a>  | <a href="#">\$75.11</a>  |
| 50                                                                           | <a href="#">Call Us</a> | <a href="#">\$141.50</a> | <a href="#">\$91.19</a>  | <a href="#">\$61.60</a>  | <a href="#">\$52.72</a>  | <a href="#">\$49.76</a>  | <a href="#">\$43.84</a>  | <a href="#">\$37.92</a>  | <a href="#">\$32.00</a>  |
| 150                                                                          | <a href="#">Call Us</a> | <a href="#">\$100.26</a> | <a href="#">\$64.36</a>  | <a href="#">\$43.24</a>  | <a href="#">\$36.91</a>  | <a href="#">\$34.79</a>  | <a href="#">\$30.57</a>  | <a href="#">\$26.35</a>  | <a href="#">\$22.12</a>  |
| Tooling NRE = \$300.00 (Tooling waived when re-ordered) * Testing = \$287.99 |                         |                          |                          |                          |                          |                          |                          |                          |                          |

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

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                          |                    |                                                                    |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|--------------------|--------------------------------------------------------------------|
| Part #                                                                                  | 100221305                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Revision #            | A4                       | Layer count        | 4                                                                  |
| X Dimension                                                                             | 4.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Y Dimension           | 9                        | Array              | <input type="checkbox"/>                                           |
| Tab-Route?                                                                              | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Scoring?              | <input type="checkbox"/> |                    |                                                                    |
| Material Type                                                                           | FR4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Finish Thickness      | 0.062"                   | Finish Plating     | Lead Free Solder                                                   |
| 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                                                                  | 0.010"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Inner Min Trace/Space | 0.008"                   |                    |                                                                    |
| Smallest Hole Size                                                                      | 0.012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Silkscreen            | both sides               | Silkscreen Color   | White                                                              |
| Top SMD Pads                                                                            | 183                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Bottom SMD Pads       | 0                        | Min. Pitch         | 0.050"                                                             |
| <b>Certifications &amp; Qualifications:</b>                                             | IPC Class 2-A600 (Pricing Subject To File Review)<br><input type="checkbox"/> AS9100? (AS9102 FAI \$400.00 minimum if applicable)                                                                                                                                                                                                                                                                                                                                                                                                |                       |                          |                    |                                                                    |
| <b>Additional Attributes:</b>                                                           | <input type="checkbox"/> Controlled Dielectric?<br><input type="checkbox"/> Controlled Impedance? (Pricing Subject To File Review)<br><input type="checkbox"/> Plated Slots?<br><input type="checkbox"/> Plated Edges? (Pricing Subject To File Review)<br><input type="checkbox"/> Counterbores?<br><input type="checkbox"/> Countersinks?<br><input type="checkbox"/> Castellated Holes?                                                                                                                                       |                       |                          |                    |                                                                    |
| <b>Advanced Technologies:</b>                                                           | Blind/Buried Vias? None Microvias? None (Finished hole size <= .006")<br><input type="checkbox"/> Soldermask Plugged Vias? Via-In-Pad? None                                                                                                                                                                                                                                                                                                                                                                                      |                       |                          |                    |                                                                    |
| <b>Optional Specs:</b><br>Select only if known...<br>NOT REQUIRED<br>for ONLINE QUOTING | <input type="checkbox"/> Holes Plated .0015? # Holes Per Board 0<br><input type="checkbox"/> Cores < .004? # Pem Nuts 0<br><input type="checkbox"/> Etchback? LPI Legend None<br><input type="checkbox"/> Cover Coat? <input type="checkbox"/> Edge Mill?<br><input type="checkbox"/> Cavity Process? <input type="checkbox"/> Laser Rout?<br><input type="checkbox"/> Controlled Depth Drilling? <input type="checkbox"/> Unique Serialization?<br><input type="checkbox"/> Back Drilling? <input type="checkbox"/> Tetra Etch? |                       |                          |                    |                                                                    |
| <b>Quantities:</b>                                                                      | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10                    | 50                       | 150                | ITAR <input type="radio"/> Yes <input checked="" type="radio"/> No |

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