

## 100% U.S. Based Manufacturing With Facilities Located in Aurora, CO, Tempe, AZ, & Maple Grove, MN



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Standard vs. Custom: What is the difference?

| Part #: SCROD | Revision: A3 | Date: 9/12/2013 | Quote #: 3641121 |
|---------------|--------------|-----------------|------------------|
|               |              |                 |                  |

## STANDARD SPEC Price Matrix:

- 1. Standard spec pricing assumes lead-free HAL plating, FR4, all holes plated thru (PTH), green mask, white silkscreen, and non-plated slots.
- 2. DOES NOT include UL markings, 94V-0 and date codes. Minimum finished hole size .010". Hole tolerance +/- .005". Minimum Trace/Space .005".
- 3. All files receive full CAM review and inspection to IPC-A-600, class 2 standards.
- 4. If your design includes countersink/counterbore or if you have controlled dielectric/stackup or impedance requirements, refer to Custom Spec matrix.
- 5. Electrical Test is optional for 0-6 layer board. Unit price does not include shipping and handling. AC Terms and Conditions apply.

To Place Order, Click on UNIT PRICE below: (Qty = Pieces, Not Arrays)

| Qty     | Same Day  | 1-day   | 2-day   | 3-day   | 4-day   | 5-day   | E Test(Lot) |
|---------|-----------|---------|---------|---------|---------|---------|-------------|
| 10      | Call Us   | Call Us | Call Us | Call Us | Call Us | Call Us | \$410.00    |
| 20      | Call Us   | Call Us | Call Us | Call Us | Call Us | Call Us | \$425.00    |
| 40      | Call Us   | Call Us | Call Us | Call Us | Call Us | Call Us | \$425.00    |
| 60      | Call Us   | Call Us | Call Us | Call Us | Call Us | Call Us | \$425.00    |
| Tooling | NRE = \$0 |         |         |         |         |         |             |

AS A SPEC & PRICING ALTERNATIVE THE STANDARD SPEC MATRIX ASSUMES: See #1 thru #5 above. Green soldermask FR4(Tg 135) Dielectric: No Plating: Lead free Solder

## **CUSTOM SPEC Price Matrix:**

- 1. The Custom Spec Matrix reflects pricing for the EXACT SPECS you QUOTED .
- 2. All files receive full CAM review and inspection to IPC-A-600, Class 2 or 3 standards based on customer request and quote.
- 3. 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.

To Place Order, Click on UNIT PRICE below: (Qty = Pieces, Not Arrays)

| Qty     | Same Day                                    | 1-day   | 2-day       | 3-day           | 4-day           | 1-week          | 2-week          | 3-week          | 4-week          |
|---------|---------------------------------------------|---------|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 10      | Call Us                                     | Call Us | Call Us     | \$395.32        | \$341.70        | \$323.83        | \$288.08        | <u>\$252.34</u> | <u>\$216.59</u> |
| 20      | Call Us                                     | Call Us | Call Us     | <u>\$214.05</u> | <u>\$184.79</u> | <u>\$175.03</u> | <u>\$155.52</u> | <u>\$136.00</u> | <u>\$116.49</u> |
| 40      | Call Us                                     | Call Us | Call Us     | <u>\$124.43</u> | <u>\$107.33</u> | <u>\$101.63</u> | \$90.24         | <u>\$78.84</u>  | <u>\$67.45</u>  |
| 60      | Call Us                                     | Call Us | Call Us     | Call Us         | <u>\$102.26</u> | <u>\$96.83</u>  | <u>\$85.97</u>  | <u>\$75.10</u>  | <u>\$64.24</u>  |
| Tooling | Tooling NRE = \$559.00 (Tooling waived when |         | re-ordered) |                 | * Testing =     | \$425.00        |                 |                 |                 |

\* ET charges shown do not include Hi-Pot test charges unless included in the Comments section below. Immersion Gold orders placed as 1-day turns must be processed per the following schedule to

| <b>5</b>                           |                                                                           |           | 1           |            |                 |                       |               | ٦.                 |           |      |  |
|------------------------------------|---------------------------------------------------------------------------|-----------|-------------|------------|-----------------|-----------------------|---------------|--------------------|-----------|------|--|
| Part #                             | SCROD                                                                     |           |             |            | Revision #      |                       |               | Layer count        | 12        | •    |  |
| X Dimension                        | 4.33                                                                      |           |             |            | Y Dimensio      | <u>n</u>              | 3.54          | Array              |           |      |  |
|                                    | Tab-Rout?                                                                 |           |             |            | Scoring?        |                       |               | <b>-</b>           |           |      |  |
| Material Type                      | FR406                                                                     | _         |             |            | ▼ Finish Thickr |                       | 0.062" ▼      | Finish Plating     | Immersion | Gold |  |
| Gold Fingers?                      | None                                                                      | _         |             |            | Copper Wt. (    | (Outer)               | 1 oz ▼        | Copper Wt. (Inner) |           | •    |  |
| SolderMaskType                     | LPI                                                                       | -1        |             |            | Soldermask      |                       | both sides ▼  | Soldermask Color   | Blue      |      |  |
| Min. Trace/Space                   |                                                                           | ▼         |             |            | 5:::            |                       |               | 0.1                |           |      |  |
| Smallest Hole Size                 | .009                                                                      |           |             |            | Silkscreen      |                       | both sides ▼  |                    | White     |      |  |
| Top SMD Pads                       | 01300                                                                     |           |             |            | Bottom SMD      | ) Pads                | 300           | Min. Pitch         | 0.015"    | •    |  |
| Certifications & Qualifications:   | IPC Class                                                                 | 2         | ▼ (Prici    | ng Subject | To File Review) |                       |               |                    |           |      |  |
| guanneauons.                       | AS9100                                                                    | <u>)?</u> |             |            |                 |                       |               |                    |           |      |  |
| Additional                         | ✓ Controll                                                                | led D     | )ielectric? | ,          |                 |                       |               |                    |           |      |  |
| Attributes:                        |                                                                           |           |             |            |                 |                       |               |                    |           |      |  |
|                                    | Controlled Impedance? (Pricing Subject To File Review)                    |           |             |            |                 |                       |               |                    |           |      |  |
|                                    | Plated 9                                                                  |           | _           |            |                 |                       |               |                    |           |      |  |
|                                    | Plated Edges? (Pricing Subject To File Review)                            |           |             |            |                 |                       |               |                    |           |      |  |
|                                    | Counterbores?                                                             |           |             |            |                 |                       |               |                    |           |      |  |
|                                    | Countersinks?                                                             |           |             |            |                 |                       |               |                    |           |      |  |
|                                    | Castellated Holes?                                                        |           |             |            |                 |                       |               |                    |           |      |  |
| Advanced                           | Blind/Buried Vias? None ▼ Microvias? None ▼ (Finished hole size <= .006") |           |             |            |                 |                       |               |                    |           |      |  |
| Technologies:                      | □ Soldermask Plugged Vias? Via-In-Pad? None ▼                             |           |             |            |                 |                       |               |                    |           |      |  |
| Optional<br>Second                 | Holes F                                                                   | Plate     | d .0015?    |            |                 | #                     | Holes Per Boa | ard 3000           |           |      |  |
| Specs:<br>Select only if known     | Cores <                                                                   | < .00     | 4?          |            | # Pem Nuts 0    |                       |               |                    |           |      |  |
| NOT REQUIRED<br>FOR ONLINE QUOTING | ☐ Etchbad                                                                 |           | _           |            |                 |                       | PI Legend     | None ▼             |           |      |  |
|                                    | Cover C                                                                   |           | ,           |            | Edge Mill?      |                       |               |                    |           |      |  |
|                                    |                                                                           |           |             |            |                 |                       |               |                    |           |      |  |
|                                    | Cavity F                                                                  |           |             |            | Laser Rout?     |                       |               |                    |           |      |  |
|                                    | Controll                                                                  | led D     | epth Drill  | ing?       |                 | Unique Serialization? |               |                    |           |      |  |
|                                    | Back D                                                                    | rilling   | <u>9?</u>   |            | Tetra Etch?     |                       |               |                    |           |      |  |
| Quantities:                        | 10 20                                                                     | )         | 40          | 60         |                 |                       | <u>ITA</u>    | R ○ Yes ● No       |           |      |  |
|                                    |                                                                           |           |             |            |                 |                       |               |                    |           |      |  |
| Comments:                          |                                                                           |           |             |            |                 |                       |               |                    |           |      |  |

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**Quote Spec Definitions** 

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