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| | **DYNAMIC TEST SOLUTIONS** | **Document Name**<br>FAB-FABRICATION NAMING CONVENTION |
| | | **Revision date:**<br>November 17, 2015 |

| REVISION | DATE | ORIGINATOR | VERIFIED | DESCRIPTION |
|---|---|---|---|---|
| 1 | 8-Jun-15 | R. DELA PENA | CIT | Initial Release |
| 2 | 17-Nov-15 | D. MONTOYA | L. RAMOS | Update Drill 1 and 2 FAB naming (Altium and PADS) |
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**DOCUMENT CONTROLLED NO.: PD004_02-DS-FAB-FABRICATION NAMING CONVENTION**

| Name | Description / Usage | Cam File Name (ALTIUM & PADS) | Cam File Name (CADENCE ALLEGRO) | Format |
|---|---|---|---|---|
| Top | Top (near side on Fab Print) Top Metal= outer metal plane | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| IS1 | Internal Signal 1 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| IS2 | Internal Signal 2 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| IS3 | Internal Signal 3 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| IS4 | Internal Signal 4 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| IS5 | Internal Signal 5 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| IS6 | Internal Signal 6 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| IS7 | Internal Signal 7 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| IS8 | Internal Signal 8 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| IS9 | Internal Signal 9 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| IS10 | Internal Signal 10 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| PWR1 | Power Plane 1 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| PWR2 | Power Plane 2 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| PWR3 | Power Plane 3 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| PWR4 | Power Plane 4 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| GND1 | Digital Ground Plane 1 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| GND2 | Digital Ground Plane 2 | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| AGND1 | Analog Ground Plane | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
| Bottom | Bottom (Far side on Fab Print) Bottom Metal= outer metal plane | XXXXXX-XXXX-REVlyr# | XXXXXX-XXXX-REV.lyr# | rs274x, 2.5, trailing zero suppression |
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| Outline | Outline of PCB | XXXXXX-XXXX-REV144 | XXXXXX-XXXX-REV.144 | rs274x, 2.5, trailing zero suppression |
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| Drill 1 | Gerber Drill information for plated holes & non plated holes | XXXXXX-XXXX-REV | AS PER SOFTWARE GENERATED (NO NEED TO RENAME DRL FILES) | rs274x, 2.5, trailing zero suppression |
| | Gerber Drill information for plated hole | XXXXXX-XXXX-REV145 | | rs274x, 2.5, trailing zero suppression |
| Drill 2 | Gerber Drill information for non plated holes | XXXXXX-XXXX-REV146 | | rs274x, 2.5, trailing zero suppression |
| Drill 3 | Gerber Drill information for blind, buried, back drill, routs etc. | XXXXXX-XXXX-REV147 | | rs274x, 2.5, trailing zero suppression |
| Drill 4 | Gerber Drill information for blind, buried, back drill, routs etc. | XXXXXX-XXXX-REV148 | | rs274x, 2.5, trailing zero suppression |
| Drill 5 | Gerber Drill information for blind, buried, back drill, routs etc. | XXXXXX-XXXX-REV149 | | rs274x, 2.5, trailing zero suppression |
| Drill 6 | Gerber Drill information for blind, buried, back drill, routs etc. | XXXXXX-XXXX-REV150 | | rs274x, 2.5, trailing zero suppression |
| | Top Selective Plating | XXXXXX-XXXX-REV151 | XXXXXX-XXXX-REV.151 | rs274x, 2.5, trailing zero suppression |
| | Btm Selective Plating | XXXXXX-XXXX-REV152 | XXXXXX-XXXX-REV.152 | rs274x, 2.5, trailing zero suppression |
| | Top Solder Paste | XXXXXX-XXXX-REV153 | XXXXXX-XXXX-REV.153 | rs274x, 2.5, trailing zero suppression |
| | Btm Solder Paste | XXXXXX-XXXX-REV154 | XXXXXX-XXXX-REV.154 | rs274x, 2.5, trailing zero suppression |
| | Top Soldermask Plug | XXXXXX-XXXX-REV155 | XXXXXX-XXXX-REV.155 | rs274x, 2.5, trailing zero suppression |
| | Bottom Soldermask Plug | XXXXXX-XXXX-REV156 | XXXXXX-XXXX-REV.156 | rs274x, 2.5, trailing zero suppression |
| Top_Mask | Top Soldermask | XXXXXX-XXXX-REV160 | XXXXXX-XXXX-REV.160 | rs274x, 2.5, trailing zero suppression |
| Bottom_Mask | Bottom Soldermask | XXXXXX-XXXX-REV161 | XXXXXX-XXXX-REV.161 | rs274x, 2.5, trailing zero suppression |
| Top_Legend1 | Top Silkscreen 1 | XXXXXX-XXXX-REV162 | XXXXXX-XXXX-REV.162 | rs274x, 2.5, trailing zero suppression |
| Top_Legend2 | Top Silkscreen 2 | XXXXXX-XXXX-REV163 | XXXXXX-XXXX-REV.163 | rs274x, 2.5, trailing zero suppression |
| Top_Legend3 | Top Silkscreen 3 | XXXXXX-XXXX-REV164 | XXXXXX-XXXX-REV.164 | rs274x, 2.5, trailing zero suppression |
| Btm_Legend1 | Bottom Silkscreen 1 | XXXXXX-XXXX-REV165 | XXXXXX-XXXX-REV.165 | rs274x, 2.5, trailing zero suppression |
| Btm_Legend2 | Bottom Silkscreen 2 | XXXXXX-XXXX-REV166 | XXXXXX-XXXX-REV.166 | rs274x, 2.5, trailing zero suppression |
| Btm_Legend3 | Bottom Silkscreen 3 | XXXXXX-XXXX-REV167 | XXXXXX-XXXX-REV.167 | rs274x, 2.5, trailing zero suppression |
| | Top mechanical dimensions | XXXXXX-XXXX-REV181 | XXXXXX-XXXX-REV.181 | |
| | Bottom mechanical dimensions | XXXXXX-XXXX-REV182 | XXXXXX-XXXX-REV.182 | |
| | Selective Via Filling | | XXXXXX-XXXX-REV.185 | |
| Fab_Prnt | Fabrication Drawing (1) | XXXXXX-XXXX-REVFAB1 | XXXXXX-XXXX-REVFAB.1 | rs274x, 2.5, trailing zero suppression |
| Fab_Prnt | Fabrication Drawing (2) | XXXXXX-XXXX-REVFAB2 | XXXXXX-XXXX-REVFAB.2 | rs274x, 2.5, trailing zero suppression |
| Fab_Prnt | Fabrication Drawing (3) | XXXXXX-XXXX-REVFAB3 | XXXXXX-XXXX-REVFAB.3 | rs274x, 2.5, trailing zero suppression |
| IPC Netlist File | Netlist File | XXXXXX-XXXX-REV.ipc | XXXXXX-XXXX-REV.ipc | IPC-D-356A |

| Revisions | Revision Symbols (REV) |
|---|---|
| Initial Release | A |
| First Revision | B |
| Second Revision | C |
| Third Revision | D |
| Fourth Revison | E |
| Fifth Revison | F |
| Sixth Revision | G |
| Seventh Revisior | H |
| Eigth Revision | I |
| Ninth Revision | J |

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For the format, higher is better for fine-pitched with trailing zero suppression.

- The format specifies the precision of the coordinate data, which must be selected to suit the placement precision of the objects in the PCB workspace. If you are using one of the higher resolution, you should check that the PCB manufacture supports that format. The 2:4 and 2:5 formats only need to be chosen if there are holes on a grid finer than 1 mil

2:3 - The **2:3** format has a resolution of 1 mil (1/1000 inch).
2:4 - The **2:4** format has a resolution of 0.1 mil
2:5 - The **2:5** format has a resolution of 0.01 mil

We can use the one you sent, **2.6 trailing zero suppression** as the new standard for gerber output for Pads & Allegro. However, for Altium 9 the maximum can only be 2.5 for English and 4:4 for Metric.