

# History

## Flex Hybrid v4.x Design

### February 27, 2002

Added bill of materials and SMD coordinates for loading, pdf & csv formats  
Corrected fabrication file: pigrail and test bond pad connection charts (for both v3 & v4 documentation)  
Added pdf drawing of area where glue is placed to attach flex to frame PCB

### 18 January, 2002

#### Version 4.xC

Corrected problems in and updated the Eagle board file and the Gerber file set.

### 14 January, 2002

#### Version 4.xC

Moved R1 - R4 to make an unobstructed path for the disk pigtail.  
Removed short across R8 in layout. Change propagated through schematic sheets 1 and 2 (schematic now at Rev. C) and all the drawings that follow in this section.  
Added extensions to FE bond pads to make them more robust.  
Re-routed HV area to lower inductances.  
Added metal to bottom layer under bond pads in a few areas.  
Propogated metal layer changes through following drawings:

Drawing	New Revision Number
APFHV4x-TF	1
APFHV4x-MR	1
APFHV4x-BM	1
APFHV4x-AD	1

Propogated new component locations through the following drawings:

Drawing	New Revision Number
APFHV4x-AD	1

Added hole in drawing APFHV4x-HP - now at Rev. 1.

#### Version 4.1

Created version 4.1, changes migrated from v4.xC (only unique item in v4.1 is the version label).  
Added v4.1 Gerber/drill file sets to web site.

### 20 December, 2001

**Created:**

v4.x web page at: [http://www.nhn.ou.edu/~boyd/atlas\\_html/base.html](http://www.nhn.ou.edu/~boyd/atlas_html/base.html)

This file - a history of updates to the v4.x design files

apfh4xb\_fab.pdf - Fabrication drawings including schematic, dimensions, connector pin outs, etc.

notes.pdf - About the design files

specifications.pdf

**Updated:**

apfh4xb\_gerber.zip - Includes more Gerber files and revised naming

**Deleted:**

schem4xb.pdf - Merged into apfh4xb\_fab.pdf

**17 December, 2001****Created:**

New v4.x EDMS document

schem4xb.pdf

apfh4xb\_gerber.zip

apfh4xb\_eagle.zip

**Updated:****Deleted:**