Tooling Package Request

A. Drawing/Data Pkg

Paper, Gerber, HPGL, PDF, Film Plot, AutoCAD: no fax

Note: The "drawing" can consist of a "drilling drawing" and detailed "readme" file.

Drawing/Data Pkg. should include:

A 1	Profile dimensions and tolerance for the board
A 2	A hole to board edge dimension in 2 axis
A 3	List of finished hole sizes and hole size tolerance
A 4	Material type, thickness, and finished copper weight
A 5	As required applicable acceptability specifications
A 6	Solder mask color, type, and number of sides
A 7	Surface finish - SMOBC, White Tin, Electroless Nickel/Gold, etc
A 8	Silk screen/legend color and number of sides

B. Array Drawing

Paper, Gerber, HPGL, PDF, Film Plot, AutoCAD

If the board is to be supplied in array form,
And the drawing or a separate array shall have the following:

B 1	Profile dimensions and tolerance for array
B 2	Array edge to board edge/or hole in 2 axis and orientation of pieces in the array
B 3	Dimensional location, size and tolerance of array tooling holes
B 4	Dimensional location and size of array fiducials on copper and mask layer
B 5	Break away slot detail and holding tab locations or scoring cross-sectional detail
B 6	Number of "X outs" allowed per array

Artwork

Gerber RS274X – Gerber – Film

Gerber RS274X is preferred format. Gerber RS274X has apertures and formatting imbedded within its file, which reduces translation/interpretation errors. Standard gerber files require a separate aperture list. Film plots shall be used as received.

Drill Data

Excellon format ASCII data

- Paper coordinate lists and "Bomb Plotting" are to be avoided.

Artwork Approval

Customer artwork approval is strongly encouraged to ensure proper interpretation of data received. It is not intended as an approval of line widths, pad sizes, etc. The intent is to ensure that all layers are present, requested merges are properly interpreted, acceptable logo and date code location, etc. This approval does not exempt ASC from responsibility for properly processing the data.