PHOTO-PLOT FILE DESCRIPTION AND FORMATS

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Only layers used for a particular design will be included in the zip file. Boards with more than 2 layers must be stacked up according to the fabrication drawing. (One will be supplied for boards greater than 2 layers or for 2 layers on request).

For those boards which use thermal reliefs, apertures will be specified as follows:

"THERMAL-ODxxx IDxxx SPxxx ANxx"

OD	Outside diameter of thermal.
ID	Inside diameter.
SP	Spoke width.
AN	Spoke rotation angle (45 or 90 Deg.)
xxx	Dimension in 1/1000's of an inch.

GERBER PHOTOPLOT FILE FORMAT:

Character coding:	ASCII, No parity.
Units:	English, inches.
Zero suppresssion:	Leading.
Data reference:	Absolute.
Numeric format:	5 integer/3 decimal
Scale:	1:1

FILENAME	GERBER LAYER DESCRIPTION	Plotting
filename.TOP	COMPONENT SIDE	Positive
.BOT	SOLDER SIDE	Positive
.PWR	POWER PLANE	Negative
.GND	GROUND PLANE	Negative
.MD1	MIDDLE LAYER 1	Positive
.MD2	MIDDLE LAYER 2	Positive
.MD3	MIDDLE LAYER 3	Positive
.MD4	MIDDLE LAYER 4	Positive
.MD5	MIDDLE LAYER 5	Positive
.MD6	MIDDLE LAYER 6	Positive
.MD7	MIDDLE LAYER 7	Positive
.MD8	MIDDLE LAYER 8	Positive
.TMK	COMPONENT SIDE SOLDER MASK	Negative
.BMK	SOLDER SIDE SOLDER MASK	Negative
.TSK	COMPONENT SIDE SILK SCREEN	Positive
.BSK	SOLDER SIDE SILK SCREEN	Positive
.TPT	COMPONENT SIDE SMC PASTE MASK	Negative
.BPT	SOLDER SIDE SMC PASTE MASK	Negative
.DRL	DRILL TARGET / BOARD OUTLINE	Positive
.TGT	MANUAL DRILL TARGET FOR .BOT	Positive

FILENAME	SUPPORT FILE DESCRIPTION
filename.REP	Aperture table
.STA	Hole sizes and counts, all elements used
.NC1	2 integer/4 decimal NC drill
.NC2	2 integer/3 decimal NC drill
.NC3	2 integer/4 decimal NC drill ("+" suppressed)
.NC4	2 integer/3 decimal NC drill ("+" suppressed)
.NC5	2 integer/4 decimal NC drill (Trailing zeros)
.PDF	Fabrication and Assembly drawings
Readme .PDF	This file

NC DRILL FILES (Drill and gerber data has 2.000 x 2.000 offset)

EXTENSION	NC1	NC2	NC3	NC4	NC5
Code	ASCII	ASCII	ASCII	ASCII	ASCII
Parity	No	No	No	No	No
Units	English, inch	English, inch	English, inch	English, inch	English, inch
Zero suppression	None	None	None	None	Trailing zeros
Data reference	Absolute	Absolute	Absolute	Absolute	Absolute
Numeric format	2 int / 4 dec	2 int / 3 dec	2 int / 4 dec	2 int / 3 dec	2 int / 4 dec
Scale	1:1	1:1	1:1	1:1	1:1
Leading ‘+’ sign	Yes	Yes	No	No	Yes