

PROTEUS REGION FILE ASCII format:

ARES REGION FILE

*HEADER
VERSION 609 600
UNITS 10nm
AREA -1041400 -1778000 2628900 1219200

*LAYER TOP
"T10" S 1 0 0 0 1016000
*END_LAYER

*VIAS
"V40" ALL 0 -254000 0 0
*END_VIAS

*OBJECTS
GRAPHIC TS LINE 4 190500 -1295400 254000 -1295400
GRAPHIC TS BOX 5 -63500 -1016000 0 127000 127000
GRAPHIC TS CIRCLE 3 381000 -762000 63500
GRAPHIC TS TEXT 25400 0 900 0 254000 152400 0 "Ag90"
GRAPHIC TS BEZIER 8 508000 -889000 444500 -939800 571500 -965200 508000 -1016000
GRAPHIC TS PATH 3 635000 -1016000 635000 -889000 762000 -1016000

ZONE BOT 0000 "T12" 4 -571500 -838200 -508000 -838200 -508000 -901700 -571500 -901700 "T10" "GND" 20320 63500

PAD "4" "C_050_025_3" ALL 0 -508000 0 0

COMPONENT -508000 0 0 0
"PARTID" -294640 -2540 0 0 76200 127000 10
"VALUE" -294640 -2540 0 0 76200 127000 10
"PACKAGE" 15 0 2
LINE 4 -558800 25400 -457200 25400
LINE 4 -457200 25400 -457200 -25400
LINE 4 -457200 -25400 -558800 -25400
LINE 4 -558800 -25400 -558800 25400
LINE 4 -533400 -25400 -533400 25400
LINE 4 -482600 25400 -482600 -25400
LINE 4 -601980 58420 -414020 58420
LINE 4 -414020 58420 -414020 -58420
LINE 4 -414020 -58420 -601980 -58420
LINE 4 -601980 -58420 -601980 58420
MARKER -508000 0 0 0 "\$MKRORIGIN"
MARKER -294640 -2540 0 0 "\$MKRREFERENCE"
MARKER -294640 -2540 0 0 "\$MKRVALUE"
LINE 4 -513080 0 -502920 0
LINE 4 -508000 -5080 -508000 5080
"R_026_034_3" TOP -553720 0 0 0 "1"
"R_026_034_3" TOP -462280 0 0 0 "2"

*END_OBJECTS

*TRACKS

TNAME	?	SEGS	BEGX	BEGY	ENDX	ENDY	ENDX	ENDY	ENDX	ENDY
"T10"	S	1	00000	00000	00000	00000				
"T30"	S	3	00000	00000	00000	00000	00000	00000	00000	00000
			\-----Segment 1-----/				\-----Segment 2-----/			
							\-----Segment 3-----/			

*VIAS

VNAME	LAYER	LOCX	LOCY	?	?
"V40"	ALL	00000	00000	0	0

*OBJECTS

Heading	LAYER	TYPE	LLCX	LLCY	ROT	?	HIGH	WIDE	?	TEXT
GRAPHIC	TS	TEXT	00000	00000	900	0	00000	00000	0	"Ag90"

Heading	LAYER	TYPE	ITEMS	BEGX	BEGY	ENDX	ENDY
GRAPHIC	TS	LINE	4	00000	00000	00000	00000

Heading	LAYER	TYPE	ITEMS	LLCX	LLCY	?	WIDE	HIGH
GRAPHIC	TS	BOX	5	00000	00000	0	00000	00000

Heading	LAYER	TYPE	ITEMS	CTR	TRY	RADIUS
GRAPHIC	TS	CIRCLE	3	00000	00000	00000

Heading	LAYER	TYPE	ITEMS	BEGX	BEGY	CRV1X	CRV1Y	CRV2X	CRV2Y	ENDX	ENDY
GRAPHIC	TS	BEZIER	8	00000	00000	00000	00000	00000	00000	00000	00000

Heading	LAYER	TYPE	PNTS	PNT1X	PNT1Y	PNT2X	PNT2Y	PNT3X	PNT3Y
GRAPHIC	TS	PATH	3	00000	00000	00000	00000	00000	00000

Heading	PIN#	PNME	LAYER	POSX	POSY	?	?
PAD	"4"	"C50"	ALL	00000	00000	0	0

Heading	LAYER	FLAGS	BND	PNTS	PNT1X	PNT1Y	PNT2X	PNT2Y	PNT3X	PNT3Y	PNT4X	PNT4Y	REL	NET	CLR	STEP
ZONE	BOT	0000	"T12"	4	00000	00000	00000	00000	00000	00000	00000	00000	"T10"	"GND"	20320	63500

REFERENCE AND COORDINATES

Sym	Description
LLC	Lower Left Corner
LRC	Lower Right Corner
ULC	Upper Left Corner
URC	Upper Right Corner
LOC	Reference point of object
BEG	Beginning of a line (Track)
END	End of a line (Track)
CTR	Circle center
CRV	Bezier curve handles
ROT	Angle, degrees x 10
PNT	Zone and 2D graphics path vertex points
BND	Boundary track name, from track list
REL	Thermal relief track name, from track list
CLR	Clearance from zone to other elements
STEP	Zone hatching step

LAYER NAMES

Sym	Description
TOP	Top etch
BOT	Bottom etch
ALL	All etch layers
DRL	Drill Hole only
I1-14	Internal etch
TS	Top silk
BS	Bottom silk
TR	Top resist (Green film!)
BR	Bottom resist
TM	Top mask (Solder paste)
BM	Bottom mask
M1-4	Mechanical 1-4
KO	Keep out
OC	Occupancy
ED	Board edge

ZONE FLAGS

BINARY (Region file uses 2 byte hex)

XXXX XXXX HLXX ZSER

BIT	Dialog	Description
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
H	Type List	Hatched
L	“	Empty
X	X	X
X	X	X
Z	Checkbox	Route to this zone
S	“	Suppress Islands
E	“	Exclude tracking
R	“	Relieve Pins

Notes:

1. Only the first block found will be imported, i.e. if two OBJECT-END_OBJECT blocks are encountered then only the first will be imported.
2. Blank lines are ignored and elements may even be stacked without intervening CR/LF line terminators.
3. Curves such as the Bezier or Circle put down as graphics on an etch layer will not Netlist. Curved tracks are put down as multi segment lines.