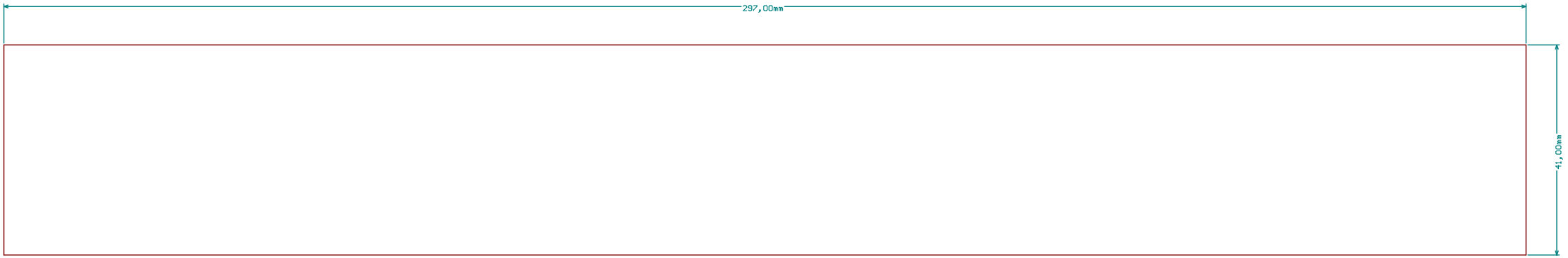

297,00mm
41,00mm

CB L4 v1.3.1 - 0.5mm 5-Layer Board with Polyimide (VT901) Dielectric Layers and Blind Vias

Material Selection

Polyimide VT901
Permittivity @ 100MHz:
Permittivity @ 1GHz:
Loss Tangent @ 100MHz:
Loss Tangent @ 1GHz:
Lead Free Assembly Compatible

Solder resist colour: green
Silkscreen print colour: white

Surface Finish

On top and bottom layer surfaces:
electroless nickel immersion gold

Holes / Drilling

Drill files contain finished hole diameters
Drilling layer pairs: 4-5, 3-5, 1-5

Board Outline

Contour routed with break-away tabs

Element Counts

(for reference only)

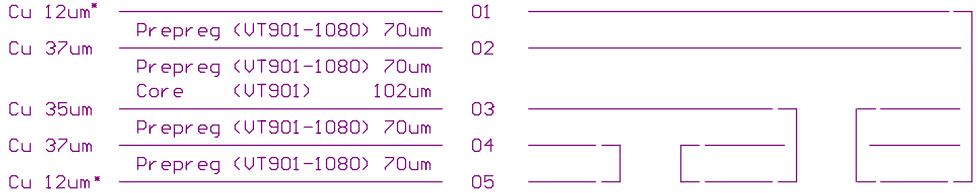
Components:	192
Nets:	279
Pads:	1488
Tracks:	10837
Polygons:	52
Holes:	1111
Vias:	1054

Non-standard Tolerances

Holes sized 0.2mm may be plugged by plating. These are all vias.
For them we do not care the finished hole sizes.

Board Layer Stack

Drill Layer-Pairs



*37um final after plating
Total Laminated Thickness: 0.5mm

Layer Name	Gerber
Top Overlay	.gto
Top Solder Mask	.gts
Top Layer (PWR)	.gtl
Mid Layer 1 (PWR)	.g1
Mid Layer 2	.g2
Plane 2 (GND)	.gp2
Bottom Layer	.gbl
Bottom Solder Mask	.gbs
Bottom Overlay	.gbo
Bottom Paste Mask	.gbp
Board Outline	.gm1

Controlled Impedance Reference

Diff. trace width/space on middle layer2 (stripline) 75 ohms +/- 10% : 0.100/0.100mm
Diff. trace width/space on middle layer2 (stripline) 60 ohms +/- 10% : 0.150/0.100mm
Diff. trace width/space on bottom layer (microstrip) 75 ohms +/- 10% : 0.125/0.100mm
Diff. trace width/space on bottom layer (microstrip) 60 ohms +/- 10% : 0.200/0.100mm