

# ELECTRA

## Benchmarks

ELECTRA v1.03

Benchmarks of 8 sample designs autorouted at 100%

Routing performed on Intel P4 - 1.2Ghz running XP

	Demo6	Demo5	Demo4	Demo3	Inter	Demo7	Demo2	Demo1
<b>Via count ELECTRA</b>	309 (+1%)	120 (-45%)	126 (-30%)	71 (-39%)	87 (-24%)	703 (+5%)	235 (-7%)	6 (+14%)
<b>Routed Length ELECTRA</b>	421778 (+5%)	670514 (-13%)	135011 (-5%)	673420 (-3%)	11452 (-1.3%)	648675 (-10%)	459177 (+3%)	83123 (+1.4%)
<b>Run Time (mm:ss) ELECTRA</b>	00:34 (5.3x)	00:25 (12.6x)	00:11 (6x)	00:39 (3x)	00:12 (6.6x)	04:45 (3.3x)	00:26 (3.6x)	00:07 (2x)
<b>Via count B-Router</b>	304 (-1%)	218 (+45%)	180 (+30%)	117 (+39%)	115 (+24%)	668 (-5%)	252 (+7%)	5 (-14%)
<b>Routed Length B-Router</b>	400175 (-5%)	769065 (+13%)	142679 (+5%)	693840 (+3%)	11606 (+1.3%)	714441 (+10%)	444827 (-3%)	81962 (-1.4%)
<b>Run Time (mm:ss) B-Router</b>	03:04 (-5.3x)	05:15 (-12.6x)	01:05 (-6x)	01:55 (-3x)	01:20 (-6.6x)	15:50 (-3.3x)	01:35 (-3.6x)	00:15 (-2x)