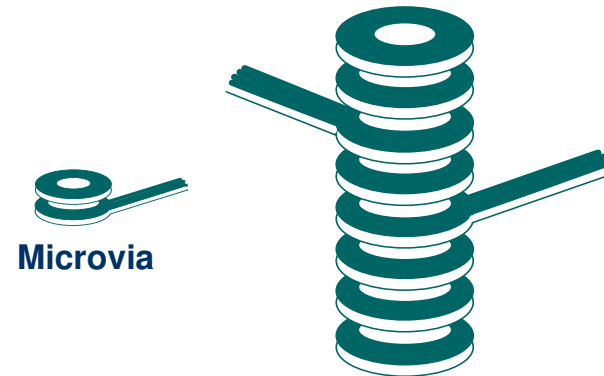


HDI - Density Improvements

- Smaller pads mean more routing space
- Blind vias free up space on other layers that thru-holes occupy
- Rout channel increases:



Microvia

Mechanical Drill Via

	0.8 mm	1.0 mm	1.27 mm
Conventional PCB .005" (.13mm) trace and space .025" (.64mm) pads .014" (.35mm) drill	X	O O	O O
High Density PCB .004" (.10mm) trace and space .019" (.48mm) pads .010" (.25mm) drill	⊙ ⊙	O O	O O
Microvia .004" (.10mm) trace and space .012" (.30mm) pads .004" (.10mm) microvia	⊙ ⊙	○ ○	○ ○