

	Standard	Professional	Allegro
Gerber 274X, 274D artwork Output	✓	✓	✓
IPC2581 Import / Export	✓	✓	✓
Mentor ODB++ and universal viewer	✓	✓	✓
Impedance Calculator	✓	✓	✓
Interactive / Automatic Silkscreen generation	✓	✓	✓
Import Altium PCB (schematic also available)	✓	✓	✓
Import PADS & PCAD	✓	✓	✓
Import IFF RF Shapes	✓	✓	✓
Import Export DXF	✓	✓	✓
Import Export IDF	✓	✓	✓
Export Intelligent PDF	✓	✓	✓
MCAD/ECAD Incremental design data exchange (IDX)	✓	✓	✓
3D/2D Crossprobing	✓	✓	✓
STEP 3D Clash Detect	✓	✓	✓
STEP 3D viewer for selected item or complete PCB.	✓	✓	✓
STEP 3D Canvas Controls	✓	✓	✓
STEP 3D Import Export	✓	✓	✓
STEP 3D Canvas Highlight Selections	✓	✓	✓
Manual Design For Test (DFT) / Test Prep	✓	✓	✓
Associative Dimensioning	✓	✓	✓
Route Nets by Pick, 6- Signal Layers, no layer limit or Pin Limit	✓	✓	✓
Route Automatic, 6- Signal Layers, no layer limit or Pin Limit		✓	✓
Net Scheduling, T-Point rules (pin to T-point), T-Point definition		✓	✓
Constraint Regions, region based rules (Rigid-Flex; BGA regions)		✓	✓
Propagation delay rules (Relative) for nets or groups		✓	✓
Propagation delay rules (Min/Max) for nets or groups		✓	✓
Total Etch Length - Max/Min Length		✓	✓
Extended (X)net rules		✓	✓
Layer set rules		✓	✓
Pin Pair rules		✓	✓
Delay Tuning		✓	✓
Dynamic Heads-up Display for critical rules		✓	✓
Hug Contour routing (Flex)		✓	✓
Segment over void detection		✓	✓
Spread lines between voids		✓	✓
Shape based curve fillet support, tapered traces		✓	✓
Placement replication, template based design reuse		✓	✓
Via array / Shielding - Shape and Trace based		✓	✓
Rigid Flexi Zone Management		✓	✓
Dynamic Zone Placement		✓	✓
Inter Layer Checks for Rigid Flexi		✓	✓
3D Bending		✓	✓
High Speed Analysis Impedance Workflow		✓	✓
High Speed Analysis Coupling Workflow		✓	✓
Placement Vision		✓	✓
Route Vision		✓	✓
Differential Pair Dynamic Phase Control rules		✓	✓
Package Pin Delay (for die-2-die delay) rules		✓	✓
Z-Axis delay feedback		✓	✓
Backdrilling		✓	✓
Automatic Design For Test (DFT) / Test Prep		✓	✓
Panelization		✓	✓
Max Via Count rules			✓
Offset Routing			✓
Design planning - Create hierarchical Bundles			✓
Design planning - Create, Edit Flows			✓
Design planning - Assign Flows to Layers			✓
Dynamic Shape based curve fillet support, tapered traces			✓
CAD Translators - Import Mentor Boardstation			✓
Allegro Constraint Compiler			PCB High-Speed Option
High Speed Return Path DRC			PCB High-Speed Option
High Speed IR Drop Analysis Workflow (load capability)			PCB High-Speed Option
High Speed Reflection Analysis Workflow (load capability)			PCB High-Speed Option
Automatic Delay Tune (AIDT)			PCB High-Speed Option
Automatic Phase Tune (AiPT)			PCB High-Speed Option
Remove Tuning			PCB High-Speed Option
Timing Vision (Coloured tracks based on constraint adherence)			PCB High-Speed Option
Tabbed Routing			PCB High-Speed Option
Electrical Constraint rule set (ECSets) / Topology Apply			PCB High-Speed Option
Electrical rules (Reflection, Timing, Crosstalk)			PCB High-Speed Option
Advanced Constraints (formulas, relational)			PCB High-Speed Option
Fabric Weave Effect Zig Zag Auto Interactive			PCB High-Speed Option
High Speed Static Phase Via Transition DRC			PCB High-Speed Option
Via Voiding Differential Pairs			PCB High-Speed Option
Single net Return Paths Vias			PCB High-Speed Option
High Speed Differential Pair Return Path Vias			PCB High-Speed Option
High Speed Intra Differential Pairs Spacing Rules			PCB High-Speed Option
High Speed Via Structures			PCB High-Speed Option
High Speed Inductance Via Structures			PCB High-Speed Option
Constraint Manager: HDI rule set			Miniaturization Option
Micro-via and associated spacing, stacking and via-in-pad rules			Miniaturization Option
Constraint driven HDI design flow			Miniaturization Option
HDI micro-via stack editing			Miniaturization Option
Manufacturing rule support for embedding components			Miniaturization Option
Embed components on inner layers			Miniaturization Option
Support for Cavities on inner layers			Miniaturization Option

