

EXPEDITION PCB PRODUCTS MATRIX

	Expedition Series			
	Ascent L2	Ascent L4	Ascent LX	Pinnacle
	(206137)	(206138)	(206139)	(206140)
Database Limits				
Layer, Pin and Connection Limits	No Limit	No Limit	No Limit	No Limit
Automatic Routing				
Layer Limits	2	4	No Limit	No Limit
Memory	•	•	•	•
Fanout	•	•	•	•
Route	•	•	•	•
DFM Option (206141)	option	option	option	•
Via Minimization	option	option	option	•
Trace Spread	option	option	option	•
Trace Expand	option	option	option	•
Advanced Interconnect Option (206143)	option	option	option	option
Built-up/micro via rule definition	•	•	•	•
Built-up/micro via interactive routing	•	•	•	•
Built-up/micro via auto routing	option	option	option	option
AutoActive Routing				
Fanout	•	•	•	•
Plow	•	•	•	•
Multi-plow	HS option	HS option	HS option	•
Route Selected Netlines	•	•	•	•
Test Point Assignment				
Place Test Point Interactively	•	•	•	•
Auto Assign Test Points	DFM option	DFM option	DFM option	•
High Speed Design				
High Speed Rules Definition	•	•	•	•
Signal Analyzer/Vision Interface	•	•	•	•
High Speed Option (206145)	option	option	option	•
Automatic Tuning	option	option	option	•
Automatic Differential Pair Routing	option	option	option	•
AutoActive Tuning	option	option	option	•
AutoActive Route/Plow Differential Pairs	option	option	option	•
Hazard Review of High Speed Violations	option	option	option	•
Import Interface				
PADS ASCII Reader	•	•	•	•
EDIF Netlist	•	•	•	•
DXF	•	•	•	•
VB ASCII	•	•	•	•
Export Interfaces				
VB ASCII	•	•	•	•
DXF	•	•	•	•
VB Report Writer	•	•	•	•
3 rd Party Analysis ToolBox (206141)	option	option	option	•
Betasoft, Thermal	option	option	option	•
Incases, EMI/EMC	option	option	option	•
Hyperlynx, EMC/EMI	option	option	option	•
Quad, SI/EMI	option	option	option	•
Manufacturing Outputs				
Automatic Test Equipment (ATE)	•	•	•	•
Automatic Insert (AIS)	•	•	•	•
Gerber Out	•	•	•	•
GerbTool, Designer, Read/Edit Gerber	option	option	option	•
NC Drill	•	•	•	•
Manufacturing Outputs ToolBox (206080)	option	option	option	•
C-LINK, CAE Technologies	option	option	option	•
FabMaster	option	option	option	•
GenCAD, Mitron	option	option	option	•
Valor ODBG Interface (206142)	option	option	option	option
Valor Manager (206413)	option	option	option	option
Mechanical				
IDF 2.0/3.0 (206082)	option	option	option	•
DXF	•	•	•	•