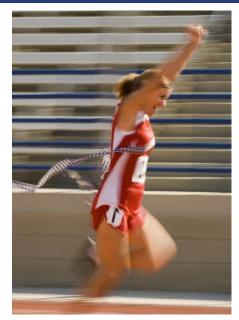
Rapid Electronic Product Development Com-Express Imaging Carrier Board

Design Note #80



Win your electronic product development race with rapid electronic product design engineering from Orchid Technologies.





"Orchid's ability to actually deliver has put our development engineering six months ahead of our competition. That's winning and that's what Orchid is all about."

- CTO Advanced Imaging Group

Rapid Electronic Product Development

Rapid electronic product development is Orchid Technologies' primary business. Rapid development of complex electronic products requires detailed attention to design requirements, careful listening to client needs, clear communications, and get-it-done flexibility. Orchid Technologies was hired to rapidly develop the Intel Atom processor based imaging board shown below. Packed with two custom ASICs, two Xilinx Spartan-class FPGAs, two Altera Cyclone-class FPGAs, comexpress connectivity, DDR2 memory down routing and power resources – this imaging board is state of the art.

Rapid Development Schedule

Delivery in ten weeks: From project start to first powered-up and running prototype is possible with Orchid Technologies!

Task Name	June	July	August
Phase 1 Detailed Design			
Development Plan Update			
Schematic Review Milestone	•		
Detailed Design			
Continued Detailed Design	1 🖵		
Circuit Board Layout		-	
Circuit Board Routing			
Circuit Board Artwork Ready	1		
Circuit Board Fabrication	1		
Circuit Board Assembly	1	_	—
Circuit Board Checkout	1		
Circuit Board Assemblies Ready	1		

Orchid Technologies: Rapid Electronic Design

The development of custom electronic products for our OEM clients is Orchid's entire business. The design of custom electronic products with rapid design cycles, demanding technical requirements, and unforgiving schedules sets us apart. Call Orchid Technologies today!





ORCHID TECHNOLOGIES
ENGINEERING & CONSULTING, INC.

Custom Engineering From Concept to Production

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