Design Services Partner Profile

XILINX.

DesignLinx Hardware Solutions, Inc Company Overview

Date : 02/07/2021

http://www.designlinxhs.com

Partner Details		
	Partner Tier:	Premier
	Headquarters Location:	47 Technology Way Ste 4e8,Nashua,NH,USA
	Xilinx Alliance Partner Since:	2/23/2011

Key Contact Info
Don St. Pierre
dstpierre@designlinxhs.com

Regions Served
North America Central, North America East, North America West

Supported Product Types					
	Yes	Design Services	No	Embedded Products
	No	IP	No	EDA Tools
	No	Boards		

Engineering Service Types				
	Yes	General Purpose Services	Preferred
	Yes	Services in Support of Products Sold	
	No	Services Leading to Contract Manufacturing	
	Maximum Service Scope:	Chip level FPGA / ASIC design	

Engagement Models Supported				
	Yes	SOW-Based Fixed Bid Projects	
	Yes	Time and Materials	Preferred
	Both	Captive Resources at Partner or Customer Premises	

Xilinx Design Tool Experience					
	Yes	Vivado	Yes	SDSoC
	Yes	HLx	Yes	SDAccel

Industry Certifications Achieved
Other / Contact Partner

Industry Certification Services Offered
DO-254

Government Clearances
ITAR Certification

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DesignLinx Hardware Solutions, Inc Segment and Application Focus

Primary Focus	**Defense/Aerospace**	No Focus	Homeland Security
		Primary Focus	Electronic Warfare
		Primary Focus	ISR
		Primary Focus	Space
		Primary Focus	Missiles & Munitions
		Primary Focus	Military Avionics
		No Focus	Commercial Avionics
		No Focus	SatComm
		No Focus	Wireless Milcom
		No Focus	Other A&D

Primary Focus	**Audio, Video, Broadcast**	No Focus	Encoders & Decoders
		Primary Focus	Monitors & Projection
		No Focus	Networking & Converters
		No Focus	Audio Systems
		No Focus	Video Processing Cards
		No Focus	Video Conferencing
		No Focus	Routers and Switches
		No Focus	Pro Cameras & Camcorders
		No Focus	Other Broadcast

No Focus	**Automotive & Transport**	No Focus	Driver Assist - Camera
		No Focus	Driver Assist Radar/LIDAR
		No Focus	Driver Info/Infotainment
		No Focus	Automated Driving
		No Focus	Other Automotive

Secondary Focus	**Consumer**	Primary Focus	Digital Display
		No Focus	Drones
		Primary Focus	Multifunction Printers
		No Focus	Other Consumer

Secondary Focus	**Datacenter**	No Focus	Storage
		No Focus	Compute
		No Focus	Networking

Primary Focus	**Industrial, Medical**	Primary Focus	Motor Control
		No Focus	Industrial Networking
		No Focus	Surveillance
		No Focus	Machine Vision
		No Focus	Medical Imaging
		Primary Focus	Medical / Clinical
		Primary Focus	Other ISM

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DesignLinx Hardware Solutions, Inc Segment and Application Focus (continued)

Secondary Focus	**Test & Measurement**	Primary Focus	Simulation / Emulation
		No Focus	T & M Instrumentation
		Primary Focus	Semiconductor Test
		No Focus	Wired Communication Test
		No Focus	Wireless Communications Test
		No Focus	Other Test & Measurement

Primary Focus	**Wired Comms & Networks**	No Focus	Access Equipment
		No Focus	Long Haul/Transport
		Primary Focus	Wired Mobile Backhaul
		No Focus	OTN
		No Focus	Enterprise Equipment
		No Focus	Ethernet Interlaken Connectivity
		No Focus	Packet Processing
		No Focus	Other Wired Communications

Secondary Focus	**Wireless Comms & Networks**	No Focus	Baseband
		No Focus	Wireless Backhaul
		No Focus	Connectivity & Switching
		No Focus	Radio
		No Focus	Other Wireless

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Design Competencies

System Architecture	Secondary Focus	Our engineers have industry-level system design experience
RF and Analog Design	Secondary Focus	Subcontracteded
FPGA Design and Integration	Primary Focus	Highly experienced - core offering
FPGA Timing Closure	Primary Focus	Highly experienced - Titanium by DesignLinx offering
FPGA Design Optimization	Primary Focus	Highly experienced - Titanium by DesignLinx offering
Signal Integrity Design and Analysis	Secondary Focus	Subcontracteded
Inhouse or Subcontracted: Typical Serial Speed:	Subcontracted	
PCB Design & Layout	Secondary Focus	Subcontracteded
Inhouse or Subcontracted:	Subcontracted	
Industrial and Mechanical Design	Secondary Focus	Subcontracteded
Inhouse or Subcontracted:	Subcontracted	
Industry Certification and Compliance Testing	No Focus	
Inhouse or Subcontracted:		
Quality and Reliability Testing	Secondary Focus	Subcontracteded
Inhouse or Subcontracted:	Subcontracted	
Contract Manufacturing	Secondary Focus	Subcontracteded
Inhouse or Subcontracted:	Subcontracted	
Max Quantities Supported:	None	
Digital Signal Processing	Secondary Focus	Highly experienced in working with Matlab and porting DSP Algorithms to HLS flow
Experience:	FPGA based solutions	
Embedded Processors	Primary Focus	Highly experienced in processor based systems utilizing Xilinx peripherals and custom peripherals to address customer requirements
Experience:	Versal, Zynq	

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	UltraScale+, Zynq, MicroBlaze	
Embedded Porting / BSP Extension	Primary Focus	Experienced with both SMP and AMP applications and development of custom drivers and software
OS and RTOS Design Experience:	FreeRTOS, Linux, Ubuntu Linux, VxWorks, Xen, XilKernel, uC/OS, uC/OS-II	
Embedded Application Development	Primary Focus	Developed systems for wide variety of markets including: Mil/Aero, Medical, Industrial, Commercial, AVB, etc.
Image Sensor Fusion		
Homo or Heterogeneous:		
Sensor Types Design Experience:		
Computer Vision	Primary Focus	
Machine Learning	Primary Focus	
Framework Experience:		
Network Model Experience:		