Design Services Partner Profile

Missing Link Electronics, Inc. Company Overview

Date : 11/28/2023

http://www.missinglinkelectronics.com

Partner Details

Partner Tier:	Premier
Headquarters Location:	2880 Zanker Road, Suite 203,San Jose,CA,USA
Xilinx Alliance Partner Since:	2/14/2011

Key Contact Info

Andreas Schuler
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Regions Served

Supported Product Types

Yes	Design Services	Yes	Embedded Products
Yes	IP	No	EDA Tools
No	Boards		

Engineering Service Types

Yes	General Purpose Services	Preferred
Yes	Services in Support of Products Sold	
Yes	Services Leading to Contract Manufacturing	
Maximum Service Scope:	Turnkey / full product design	

Engagement Models Supported

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

Xilinx Design Tool Experience

Yes	Vivado	Yes	SDSoC
Yes	HLx	Yes	SDAccel

Industry Certifications Achieved

Industry Certification Services Offered

Government Clearances --

Design Services Partner Profile

Missing Link Electronics, Inc. Segment and Application Focus

Secondary Focus	**Defense/Aerospace**	Secondary Focus	Homeland Security
		No Focus	Electronic Warfare
		No Focus	ISR
		No Focus	Space
		No Focus	Missiles & Munitions
		Secondary Focus	Military Avionics
		No Focus	Commercial Avionics
		No Focus	SatComm
		Secondary Focus	Wireless Milcom
		Secondary Focus	Other A&D
Secondary Focus	**Audio, Video, Broadcast**	No Focus	Encoders & Decoders
		No Focus	Monitors & Projection
		Secondary 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
		Secondary Focus	Other Broadcast
Primary Focus	**Automotive & Transport**	Secondary Focus	Driver Assist - Camera
		Secondary Focus	Driver Assist Radar/LIDAR
		Secondary Focus	Driver Info/Infotainment
		Primary Focus	Automated Driving
		Primary Focus	Other Automotive
No Focus	**Consumer**	No Focus	Digital Display
		No Focus	Drones
		No Focus	Multifunction Printers
		No Focus	Other Consumer
Primary Focus	**Datacenter**	Primary Focus	Storage
		Primary Focus	Compute
		Primary Focus	Networking
Secondary Focus	**Industrial, Medical**	Primary Focus	Motor Control
		Primary Focus	Industrial Networking
		No Focus	Surveillance
		No Focus	Machine Vision
		No Focus	Medical Imaging
		No Focus	Medical / Clinical
		No Focus	Other ISM

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Missing Link Electronics, Inc. Segment and Application Focus (continued)

Secondary Focus	**Test & Measurement**	No Focus	Simulation / Emulation
		No Focus	T & M Instrumentation
		Secondary Focus	Semiconductor Test
		Secondary Focus	Wired Communication Test
		Secondary Focus	Wireless Communications Test
		Secondary Focus	Other Test & Measurement
Secondary Focus	**Wired Comms & Networks**	No Focus	Access Equipment
		Secondary Focus	Long Haul/Transport
		Secondary Focus	Wired Mobile Backhaul
		No Focus	OTN
		No Focus	Enterprise Equipment
		No Focus	Ethernet Interlaken Connectivity
		Primary Focus	Packet Processing
		No Focus	Other Wired Communications
Secondary Focus	**Wireless Comms & Networks**	No Focus	Baseband
		No Focus	Wireless Backhaul
		No Focus	Connectivity & Switching
		Secondary Focus	Radio
		Secondary Focus	Other Wireless

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Design Competencies

System Architecture	Primary Focus	Very high; HW SW co-design, Performance modeling, system-level accel, HLS, IEEE 802.1, IEEE 802.3, IEEE 1588
RF and Analog Design	Secondary Focus	High; RFSoC, Soft Analog IP Cores, JESD204B, DSP
FPGA Design and Integration	Primary Focus	Very High; VHDL, Verilog implementation, full design flow with vendor provided and 3th party tools
FPGA Timing Closure	Secondary Focus	Very high, including high speed serdes, iMux, NOC
FPGA Design Optimization	Primary Focus	Very high, resource optimization, retargeting from Virtex to Ultrascale to Ultrascale+, Versal
Signal Integrity Design and Analysis	Secondary Focus	High, SATA, SAS, UFS, PCIe Gen1 - Gen5, JESD204B, Aurora, 58G PAM 4
Inhouse or Subcontracted:	Both	
Typical Serial Speed:	12	
PCB Design & Layout	Primary Focus	High, including specifics for FPGA
Inhouse or Subcontracted:	Both	
Industrial and Mechanical Design	Secondary Focus	Inhouse and with certified partners
Inhouse or Subcontracted:	Both	
Industry Certification and Compliance Testing	Secondary Focus	Medium, SIL, EN 61508, ISO26262, IEC 60601
Inhouse or Subcontracted:	Both	
Quality and Reliability Testing	No Focus	
Inhouse or Subcontracted:		
Contract Manufacturing	Secondary Focus	via certified partners
Inhouse or Subcontracted:	Both	
Max Quantities Supported:	10,000+	
Digital Signal Processing	Secondary Focus	High, FPGA conversion of DSP, Computer Vision, beam forming
Experience:	TMS320C6678	
Embedded Processors	Primary Focus	Very high, including HW/SW interfaces, Linux, Kernel, FSBL, Uboot, DTS, BSP, XPPU, XPMU, OP-TEE
Experience:	Zynq MicroBlaze, MSP430, PowerPC, x86	
Embedded Porting /	Primary Focus	Very high, including SMP/AMP, IPI, AutoSar, Baremetal,

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BSP Extension		BroadR-Reach
OS and RTOS Design Experience:	FreeRTOS, Linux, Ubuntu Linux	
Embedded Application Development	Secondary Focus	High, Linux applications, Computer Vision, machine learning
Image Sensor Fusion	Primary Focus	Active Pedestrian Detection, Automated Car Testing Ground, camera-monitor systems (ISO 16505), ToF distance measuring under SIL
Homo or Heterogeneous:	Both	
Sensor Types Design Experience:	GPS / Position, Gyro, LIDAR, Other / Contact Partner, Radar, Thermal, Video (4K, 8K), Video (SD, HD)	
Computer Vision		
Machine Learning	Primary Focus	Industrial vision PoC on Virtex-7 690; Industrial robot demonstrator, AI Edge interference, Acceleration and offloading
Framework Experience:		
Network Model Experience:		