

Design Services Partner Profile



BERTEN DSP S.L. Company Overview

Date : 03/16/2022

<https://www.bertendsp.com/>

Partner Details

Partner Tier: Certified
Headquarters Location: Isabel Torres 11B, 1º-I,Santander,,Spain
Xilinx Alliance Partner Since: 12/16/2016

Key Contact Info

Jose Diez
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Regions Served

Supported Product Types

Yes	Design Services	No	Embedded Products
Yes	IP	No	EDA Tools
Yes	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: Turnkey / full product design	

Engagement Models Supported

Yes	SOW-Based Fixed Bid Projects	Preferred
No	Time and Materials	
None	Captive Resources at Partner or Customer Premises	

Xilinx Design Tool Experience

Yes	Vivado	No	SDSoC
Yes	HLx	No	SDAccel

Industry Certifications Achieved ISO 14001, ISO 9001

Industry Certification Services Offered CE, DO-160, DO-178, DO-254

Government Clearances -

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BERTEN DSP S.L. Segment and Application Focus

Primary Focus	<u>Defense/Aerospace</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Homeland Security Electronic Warfare ISR Space Missiles & Munitions Military Avionics Commercial Avionics SatComm Wireless Milcom Other A&D
No Focus	<u>Audio, Video, Broadcast</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Encoders & Decoders Monitors & Projection Networking & Converters Audio Systems Video Processing Cards Video Conferencing Routers and Switches Pro Cameras & Camcorders Other Broadcast
No Focus	<u>Automotive & Transport</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Driver Assist - Camera Driver Assist Radar/LIDAR Driver Info/Infotainment Automated Driving Other Automotive
Secondary Focus	<u>Consumer</u>	<ul style="list-style-type: none"> No Focus Primary Focus No Focus No Focus 	<ul style="list-style-type: none"> Digital Display Drones Multifunction Printers Other Consumer
No Focus	<u>Datacenter</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus 	<ul style="list-style-type: none"> Storage Compute Networking
Primary Focus	<u>Industrial, Medical</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Motor Control Industrial Networking Surveillance Machine Vision Medical Imaging Medical / Clinical Other ISM

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BERTEN DSP S.L. Segment and Application Focus (continued)

No Focus	Test & Measurement	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Simulation / Emulation T & M Instrumentation Semiconductor Test Wired Communication Test Wireless Communications Test Other Test & Measurement
Secondary Focus	Wired Comms & Networks	<ul style="list-style-type: none"> No Focus No Focus No Focus Primary Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Access Equipment Long Haul/Transport Wired Mobile Backhaul OTN Enterprise Equipment Ethernet Interlaken Connectivity Packet Processing Other Wired Communications
Primary Focus	Wireless Comms & Networks	<ul style="list-style-type: none"> Primary Focus No Focus Secondary Focus Primary Focus Primary Focus 	<ul style="list-style-type: none"> Baseband Wireless Backhaul Connectivity & Switching Radio Other Wireless

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Design Competencies

System Architecture	Primary Focus	Design of complete FPGA-based boards and wireless communication systems
RF and Analog Design	Secondary Focus	RF Front-end for Wireless Communications up to 6GHz
FPGA Design and Integration	Primary Focus	High-speed PCIe interface and data processing
FPGA Timing Closure	Secondary Focus	
FPGA Design Optimization	Secondary Focus	
Signal Integrity Design and Analysis	Primary Focus	High-speed interfaces up to 10Gbps
	Inhouse or Subcontracted: Inhouse	
	Typical Serial Speed: 10	
PCB Design & Layout	Primary Focus	Experts in high-speed electronic design
	Inhouse or Subcontracted: Inhouse	
Industrial and Mechanical Design	Secondary Focus	Mechanical Design of enclosures for high-speed electronics and communication systems.
	Inhouse or Subcontracted: Inhouse	
Industry Certification and Compliance Testing	Primary Focus	Safety Critical equipment up to DAL-C.
	Inhouse or Subcontracted: Both	
Quality and Reliability Testing	Primary Focus	
	Inhouse or Subcontracted: Inhouse	
Contract Manufacturing	No Focus	
	Inhouse or Subcontracted:	
	Max Quantities Supported:	
Digital Signal Processing	Primary Focus	
	Experience:	
Embedded Processors	Primary Focus	Zynq-7000 SoC
	Experience:	
Embedded Porting / BSP Extension	Primary Focus	Baremetal, Linux
	OS and RTOS Design Experience:	
Embedded Application Development	Primary Focus	VIVADO, SDK, ISE
Image Sensor Fusion		

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Homo or Heterogeneous:

Sensor Types Design Experience:

Computer Vision

Machine Learning

Framework Experience:

Network Model Experience:
