

/ AMERICAS LINECARD DEFENSE AND AEROSPACE

Meeting the design needs of groundbreaking systems for Defense and Aerospace customers requires high specialization, reliability, and adherence to stringent industry standards. By working with our vast ecosystem of suppliers, Avnet help Defense and Aerospace engineering teams to accelerate innovation while ensuring compliance with rigorous industry standards by providing deep technical expertise, early access to cutting-edge technologies, and tailored design support. With services ranging from lifecycle management and obsolescence mitigation to secure sourcing and value-added customization, Avnet reduces risk and enhance reliability across the entire supply chain. Avnet's unique position in the ecosystem, empowers customers to design faster, smarter, and with confidence—delivering mission-critical performance where it matters most.

Defense / Aerospace Supplier Partners – Commercial, Military, and HiRel Space Grade

ANALOG / SIGNAL CHAIN

Broadcom
Infineon
Microchip
Micross
NXP
onsemi
Renesas
Safran Colibrys
STMicro
Teledyne e2V

CONNECTORS-INTERCONNECT

3M
Aero Electric
AirBorn, a Molex co.
Amphenol
AVX
Bel Fuse
Carlisle
Eaton
Glenair
Hirose
ITT Cannon
Molex
Murata
Samtec
TE Connectivity

DISCRETE / PASSIVE

Bourns
Central Semi
Diodes Inc EPC

Space Infineon
Kyocera AVX
Microchip
Murata
Nexperia
NIC components
Panasonic
Renesas
ROHM
Samsung Micro-Mechanics
Sensitron
STMicro
Taiyo Yuden
TDK
Vishay
VPT
Yageo / Kemet

ELECTRO – MECHANICAL

ebm-pabst
Grayhill
OMRON
Sunon

EMBEDDED SYSTEMS

Advantech
Kontron
MCUS / MPUS
AMD/Xilinx
Infineon
Intel
Microchip
NXP

Renesas
STMicro
Teledyne e2V

MEMORY / STORAGE

ATP
Delkin
Greenliant
GSitech
Infineon
ISSI
Kingston
Macronix
Mercury Systems
Microchip
Micron
Micross
onsemi
Renesas
Samsung
Smart
SSI
STMicro
Teledyne e2V
Western Digital

NETCOMM

AMD/Xilinx
Broadcom
Coherent
Diodes Inc
Marvell
Microchip
Renesas
STMicro

OPTOELECTRONICS

AMS-OSRAM
Broadcom
Coherent
Everlight
onsemi
Renesas
ROHM
Ushio Opto
Vishay

POWER / POWER SUPPLIES

AirBorn, a Molex co.
Bel Fuse
Eaton
EPC Space
Microchip
Micross
MPS
Murata
Renesas
Shurter
STMicro
Synqor
TDK
Vicor

PROGRAMMABLE LOGIC

AMD/Xilinx
Microchip
onsemi
STMicro

SENSORS

3M
Abracon
Amphenol
ams OSRAM
BEL
Bourns
Broadcom
CTS
Diodes Inc
Eaton
Everlight
Infineon
Kyocera AVX
Microchip
Molex
MPS
Murata
NXP
onsemi
Renesas
Shurter
STMicro
TDK
TE
Vishay
Yageo / Kemet

TIMING

Abracon
ECS
Kyocera AVX
Microchip
Renesas
SiTime
Wi2wi

WIRELESS / RF

Infineon
Mercury Systems
Microchip
NXP
Qorvo
Renesas
Teledyne e2V

MARKET TRENDS



Commercial Avionics

Next-Gen Flight Decks & Displays
AR & AI Assisted awareness
Cybersecurity & Connectivity
Electric Power & Distribution
UAV / eVTOL integration



Defense

AI & Autonomous systems
Stealth and UAV advancements
Vehicle Electrification
Next Generation Weapons
Open Architecture Systems



Space & LEO Expansion

AI driven operations & Robotics
Space based Defense & Security
COTS & Hi-Rel product options
Wireless communication options
Sustainability / Debris mgmt.

Design Chain Services

Avnet offers engineers a host of services from any point in the design cycle from concept to design to new product introduction. Avnet has the technical products, services and tools to accelerate design.

Assembly and Value-add

- Testing services
- Programming services

Design Tools

- Avnet AVAIL block diagram app
- Development and evaluation kits
- Autodesk Fusion Design Tool Avnet integration

Engineering Services

- System level design experts
- Design services/Field application engineer support

Technical Education

- Seminars/webinars

Avnet App for Autodesk Fusion

Autodesk Fusion is the market's first and only cloud product development platform that seamlessly integrates design, engineering, and electronics workflows.

The Avnet App for Autodesk Fusion provides electronics engineers direct access to critical resources, streamlines the design process, and optimizes the supply chain.

Find out more at www.avnet.me/Autodesk or scan the QR code

Supply Chain Services

Avnet optimizes supply chains by providing end-to-end supply chain services to electronic original equipment manufacturers (EOEMs), electronic manufacturing services (EMS) providers and electronic component manufacturers. By combining internal competencies of global warehousing and logistics, finance, information technology and asset management with objective, external industry wide data, Avnet's supply chain services allow customers to increase their overall business knowledge, enabling more informed decisions:

Component Intelligence

- Bill of material (BOM) analysis
- Inventory optimization services
- Green initiative programs

Supply Chain Assessment

- Discovery and logistical analysis
- Financial analysis
- Project implementation

Inventory Management Solution

- MRP/EDI Management
- Vendor-managed inventory
- Consignment, proximity and buffer inventory
- New product introduction (NPI) program support
- End-of-life management

