

Founded in 1976

EN9100-certified

Critical environments

# From interconnect solutions to integrated systems

designed and manufactured  
to your exact specifications



Offer Overview



NICOMATIC

NICOMATIC.COM

# At **NICOMATIC** we are all about connections.

We design and manufacture interconnect and electronic solutions for critical environments – from ultra-modular standard ranges to fully personalized systems.

950  
EMPLOYEES

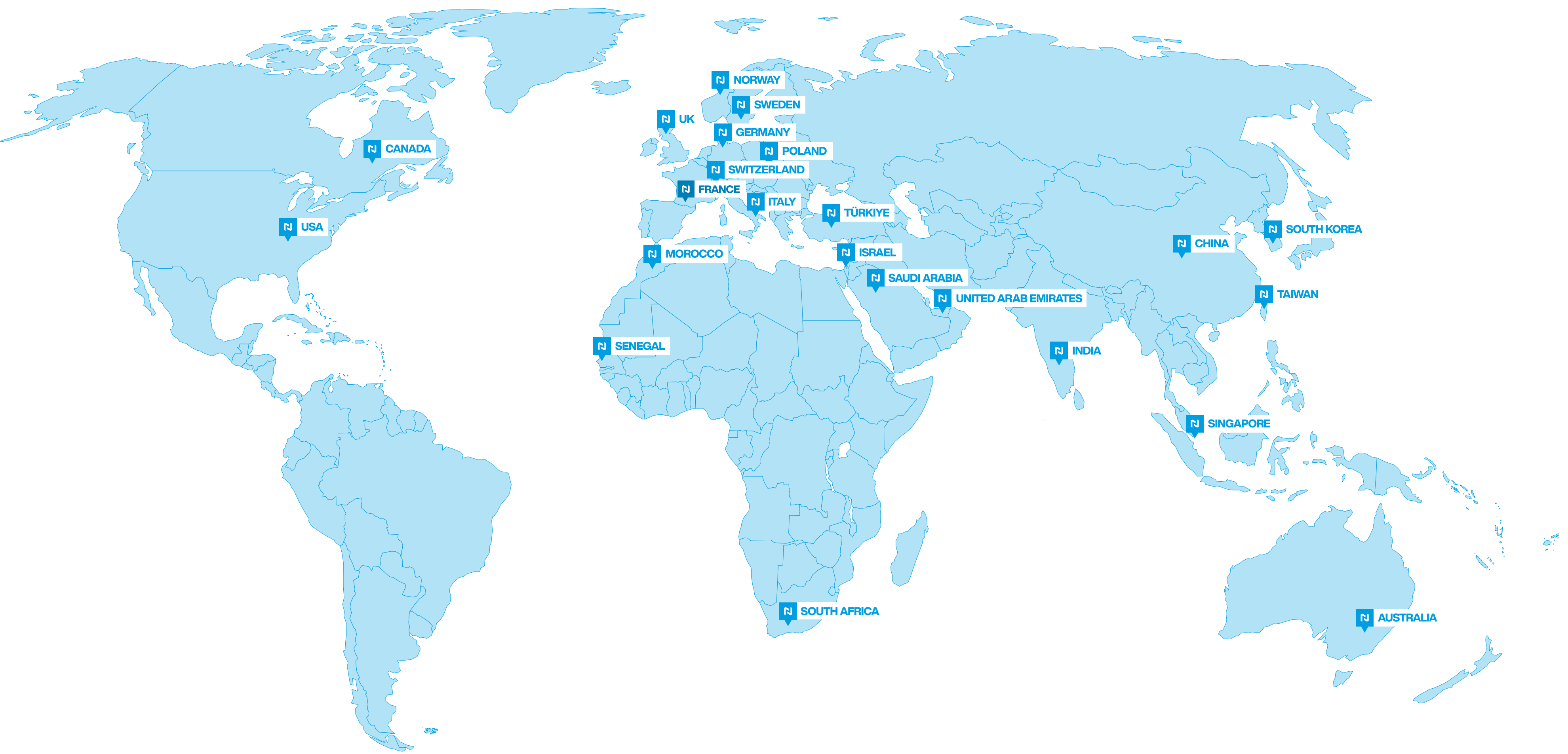
154M€  
REVENUE

30  
ENTITIES IN  
23  
COUNTRIES

FOUNDED IN  
1976  
FRANCE

FAMILY  
OWNED

EN9100  
CERTIFIED



From the depths of the oceans to the surfaces of distant planets – our solutions have proven their reliability where failure is not an option.



# Your full-service partner

INTERCONNECT  
SOLUTIONS



HARNESSING -  
ELECTRICAL &  
OPTICAL



ELECTRONICS -  
HARDWARE &  
SOFTWARE



SUB-  
ASSEMBLIES



INTEGRATED  
SYSTEMS



LABORATORY -  
TESTS &  
QUALIFICATION



KNOWLEDGE  
SHARING -  
WORKSHOPS  
& TRAININGS



**DESIGN, MANUFACTURE, TEST, QUALIFY  
AND TRAIN – ONE PARTNER, WHEREVER  
YOU NEED US.**

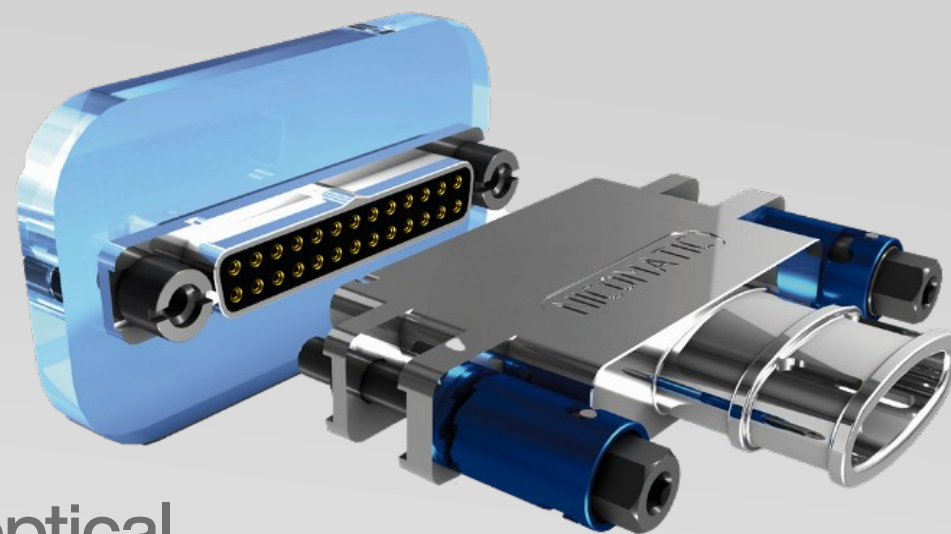
# Free from catalogue constraints

At Nicomatic, customization isn't an option — it's what we're known for. As true experts in tailored solutions, we give you the freedom to personalize every detail: size, shape, function, finish.

Create your perfect fit — from simple adaptations to tailor-made multi-technology systems.

## CONNECTORS

- Custom shapes, low profile
- Guiding systems, quick locks
- Contact adaptation, electrical & optical
- Accessories: seals, backshells, caps
- Custom materials



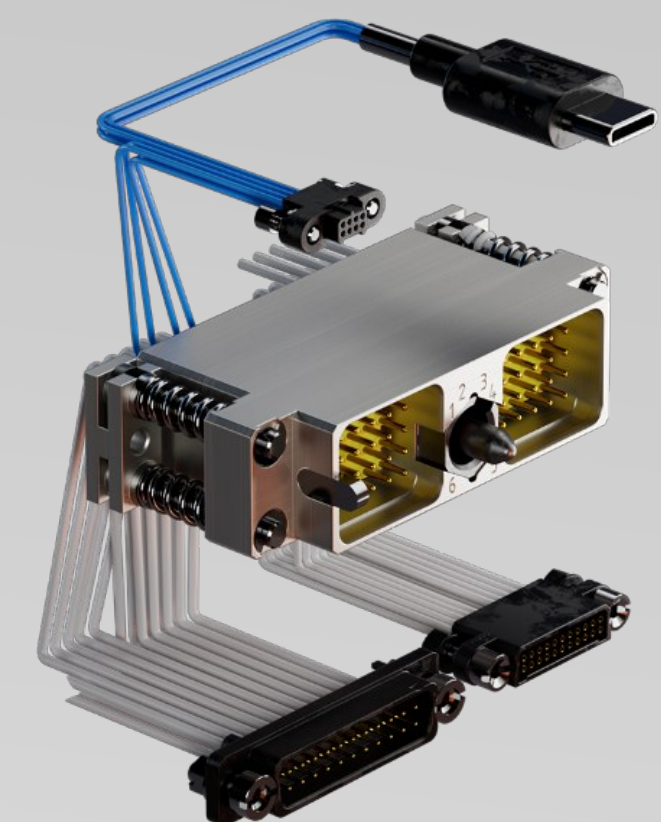
## ELECTRONICS & SUB-ASSEMBLIES

- Mechanical integration
- Guiding systems
- PCB, Flex PCB design and production



## HARNESSES

- Electrical, optical, FFC & FPC
- Complex integrated harnessing
- IPC-A-620 certified



## INTEGRATED SYSTEMS

- Design, mock-up, production
- Electronic & software integration
- DO-254 / DO-178 certified up to DAL A



# Offer Overview:

## INTERCONNECT SOLUTIONS

### BOARD-LEVEL MICRO-CONNECTORS



**AMM**  
1mm pitch



**EMM**  
1.27mm pitch



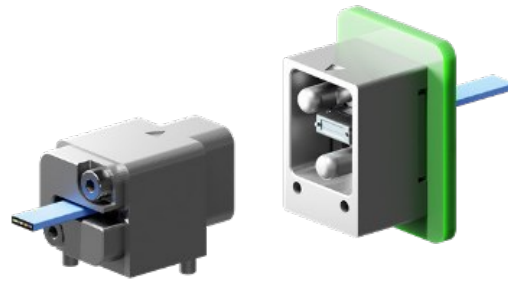
**CMM**  
2mm pitch



**Matr'YX**  
Mezzanine connector



**FMM**  
Floating board-to-board



**VITA 66**  
Optical backplane connector

### PANEL AND I/O CONNECTORS



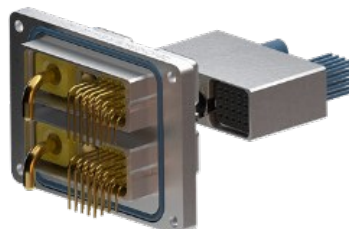
**DMM**  
EN4893, 2mm pitch metal connector



**DMM Optical**  
With MT ferrule



**Micro-D**  
1.27mm pitch



**Optimus**  
EN4165-type connector



**Circular**  
MIL-DTL-D38999 connectors

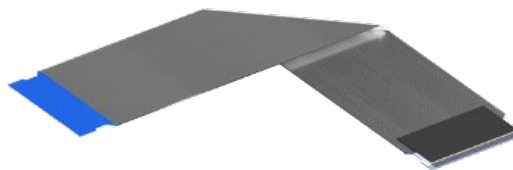


**Backshells**  
Rectangular, circular, custom

### CABLE ASSEMBLIES AND FLAT FLEXIBLE CABLES



**Optical Harness**  
Fully personalized



**Flat flexible cables**  
From 0.5 to 2.54mm pitch



**Microflex**  
Alternative to round wires



**Harnesses**  
Pre-wired connectors and complex harnesses

### SOLUTIONS FOR FLEXIBLE ELECTRONICS AND MEMBRANE SWITCHES



**Crimpflex™**  
Jumper cables in 1.27mm and 2.54mm pitches



**LEDs**  
Ultrathin design



**Domes**  
Round or 4-legged domes and dome arrays

BOARD LEVEL

PANEL AND I/O

CABLE ASSEMBLIES

SOLUTIONS FOR FLEX

# Offer Overview:

## SUB-ASSEMBLIES



Flex PCB  
Harness



Electronic  
Boards



Plug-and-Play  
Solutions



Illuminated  
Panels

## SUB-SYSTEMS



Computing  
Units



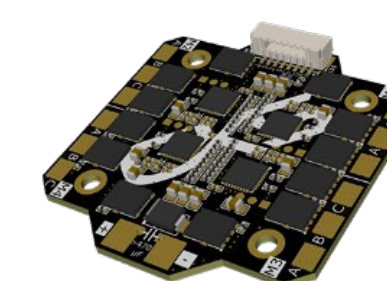
Control  
Units



Displays



Control  
Panels



Drone  
Avionics



Tactical  
Cases

## SERVICES

### Engineering Support

- Build-to-spec engineering
- Mock-up & prototyping workshops
- Quick design PCBA
- On-site engineering

### Knowledge Sharing

- IPC trainings
- Optical trainings

### Laboratory

- Environmental, electrical, mechanical and optical tests
- CST simulation
- Not limited to Nicomatic products

### Tech & Innovation

- Real-time visibility into supply chain, secured by blockchain
- AI solutions for business
- Global innovation partner for industries

### Consulting

- Corporate organisation Based on Nicomatic's flat management model
- Quality management system
- Data management
- Innovation management

## START-UPS POWERED BY NICOMATIC



Ultralight drones & drone avionics



Ground station



Luminous technology  
for security and safety

SUB-ASSEMBLIES

SUB-SYSTEMS

SERVICES

SYSTEMS



# AMM

## Off-the-shelf micro connector, 1mm pitch

### SMALL AND COMPACT

So small that it fits anywhere.

### SIMPLE TO CONFIGURE

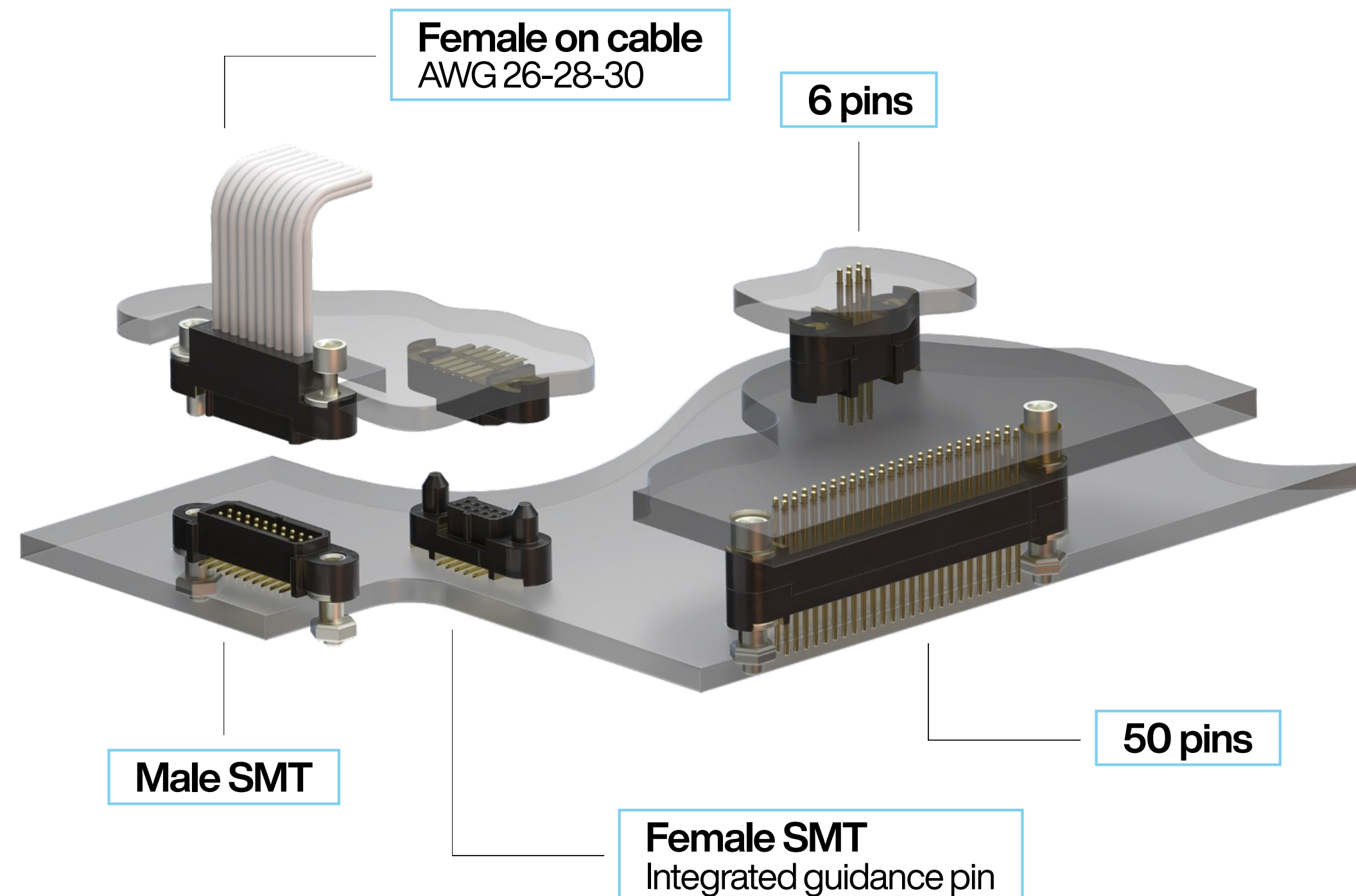
- 5 pin layouts
- 5 termination types

### EASY TO ORDER

Available in stock.

### PERFECT FOR QUICK PROTOTYPING

Simplify your system design and supply chain.



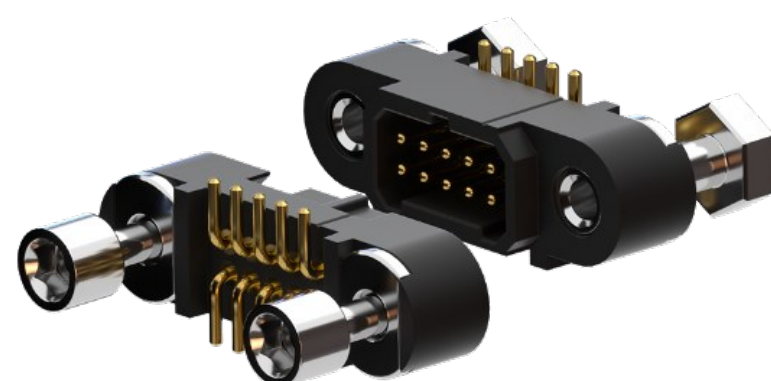
Ready to ship. Easy to fit. Built to simplify.

### FEATURES

- 06-10-20-34-50 contacts
- Through-hole and SMT
- Tape & Reel packaging
- Minimum Order Quantity = 1

### EASY CUSTOM

- Any other pin number
- Connectors w/o mounting ears
- Harness particular specs



# EMM

## Rugged miniature connector, 1.27 mm pitch

### EXCEEDS MIL-DTL-83513G PERFORMANCES

Outstanding signal reliability & environmental capacities.

### COMPACT & POWERFUL

No compromise on power for miniaturized solutions

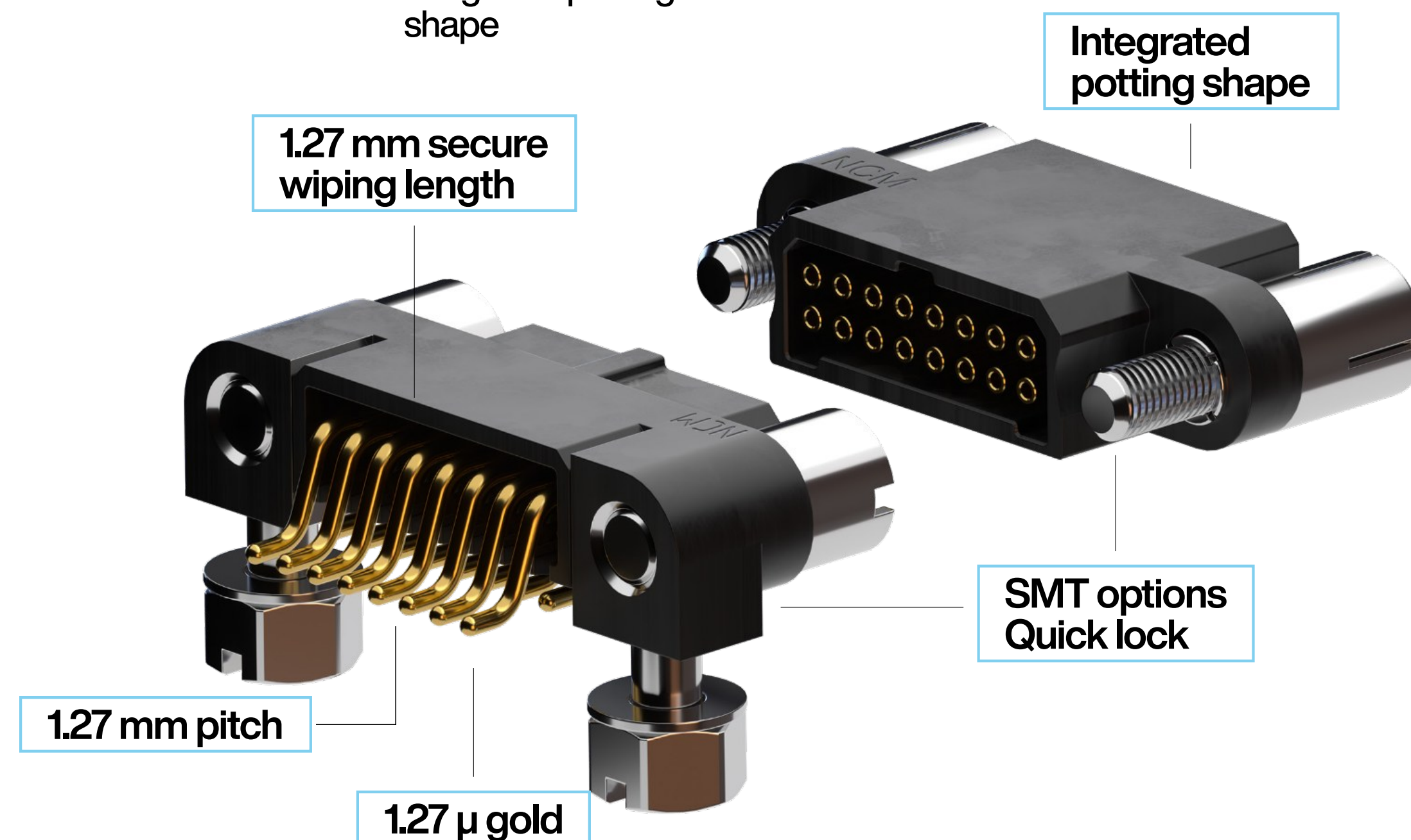
- 3A per contact
- Up to 60 contacts
- Integrated potting shape

### ROBUST

- Back protection of contacts
- Compatible w/ thick wires AWG24
- M2 screws

### EASY TO CUSTOMIZE

- Metal shell
- Combo layouts: coax, high power and signals in 1 connector

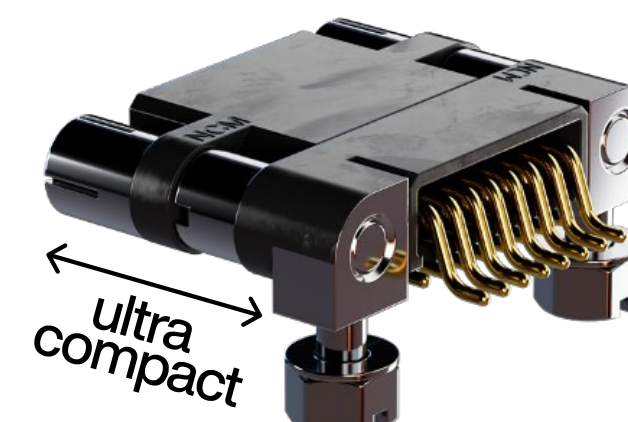


The best performance-to-size ratio on the market.

### FEATURES

- Contacts number from 04 to 60
- Through-hole and SMT
- Cable AWG 24 to 30
- Minimum Order Quantity = 1

### UP TO 40% SPACE SAVING



|         |                                                     |
|---------|-----------------------------------------------------|
| EMM     | <input type="radio"/> 16 pins <input type="radio"/> |
| MICRO D | <input type="radio"/> 15 pins <input type="radio"/> |
| CMM     | <input type="radio"/> 16 pins <input type="radio"/> |

## CMM

Ultra modular micro connector, 2mm pitch

### EXTREME MODULARITY & UNLIMITED CUSTOMIZATION

Infinite number of configurations.

### ULTRA QUICK DELIVERY AND NO MOQ

- Lead time from 1 week
- Minimum Order Quantity = 1 piece

### SPACE & WEIGHT SAVING

- Designed for miniaturized onboard systems
- Make the best out of your PCB

### EXCEEDS MIL-DTL-55302F PERFORMANCES

Outstanding signal reliability & environmental capacities.

**Combo layouts**  
coax, high power and signals in 1 connector

Pre-wired / full assembly / DIY



- Through-hole / SMT
- Straight / 90°
- Adjustable length

- Locking/racking options
- SMT latches
- Quick lock

The most modular connector range – with millions of personalized versions and ultra-fast delivery.



### SERIES 100 & 200:

Ultra compact series with signal contacts and latch fixings.



### SERIES 220 & 320:

The most modular connector system, locking/racking fixing hardware, combo layouts with coax and power.



### SERIES 340:

The high-density solution with combo layouts.

## MATR'YX

High-density board-to-board connector

### DESIGNED FOR DEFENSE & SPACE RELIABILITY

Engineered to withstand shock, vibration, high temperatures, and the rigorous demands of military and aerospace environments.

### EXTREMELY COMPACT DESIGN

BGA (Ball Grid Array) termination enables high-density connections within a compact footprint, making it possible to route more signals in less space.

### FLEXIBLE MODULARITY FOR BOARD-TO-BOARD INTEGRATION

Adjustable in both contact count and stack height, ideal for tailored and space-efficient board-to-board connections.

### HIGH-SPEED PERFORMANCE

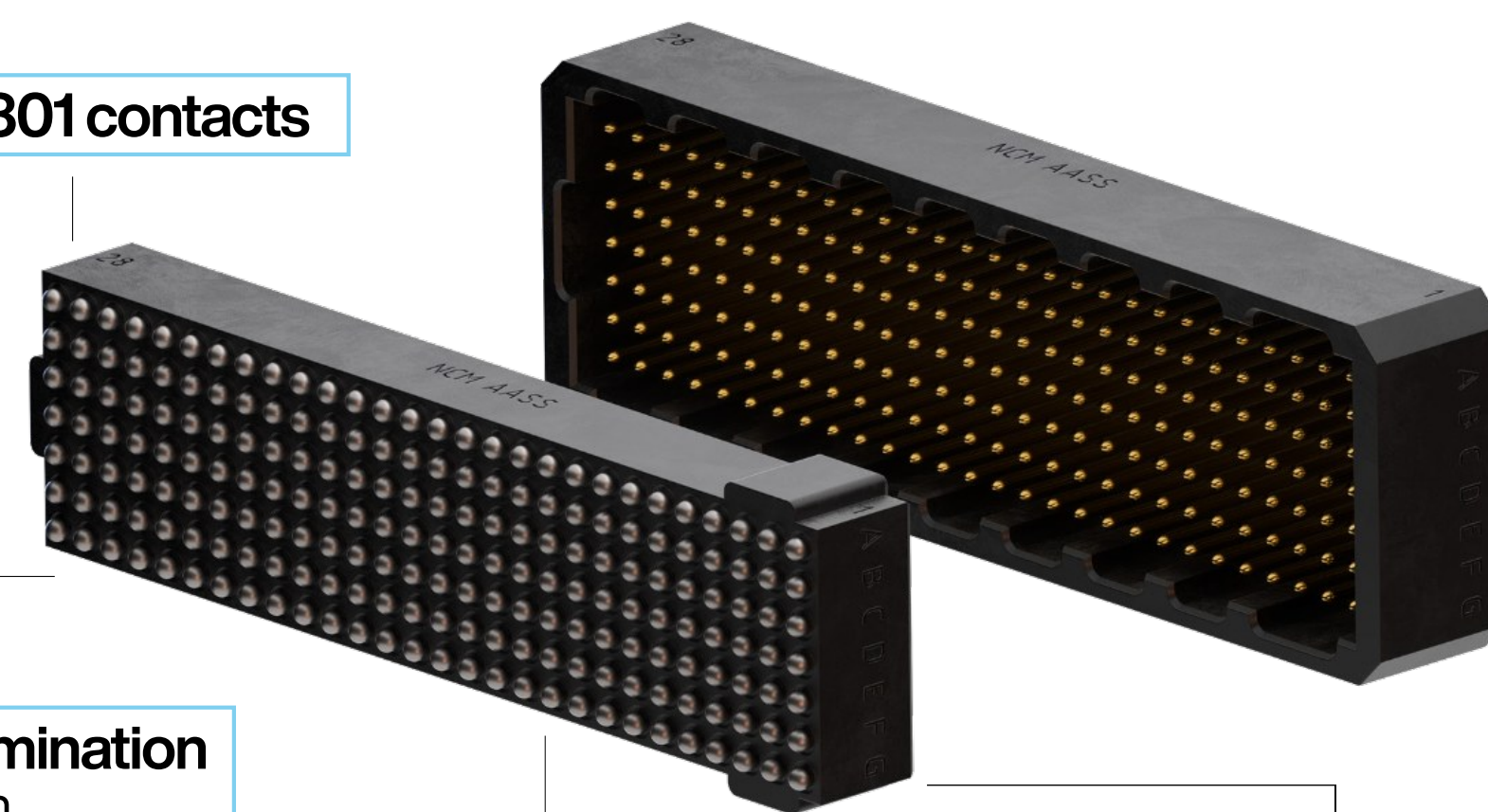
Ensures fast, reliable data transmission for demanding electronic applications.

49 to 301 contacts

BGA termination  
1 mm pitch

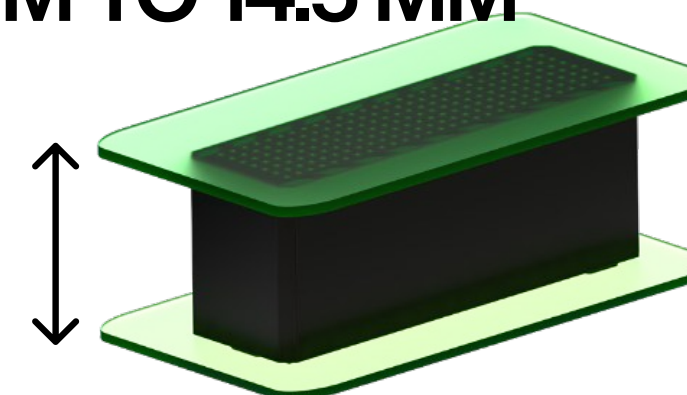
High speed  
25 Gbps (PAM-4)  
12,5 Gbps (NRZ)

High density  
> 70 contacts per cm<sup>2</sup>

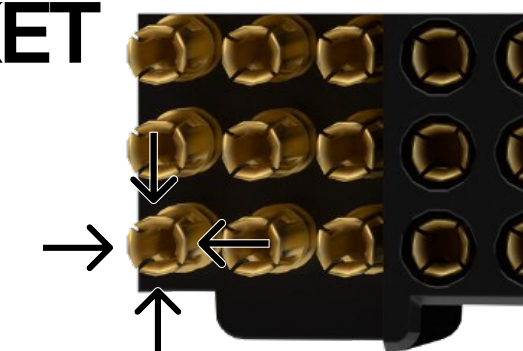


Extremely compact mezzanine connector designed for defense & aerospace.

STACK HEIGHT:  
5.5 MM TO 14.5 MM



CONTINUITY ENSURED  
BY 4 CONTACT POINTS  
PER SOCKET





## FMM

### Floating board-to-board connector

#### EASY ASSEMBLY

Handles misalignments automatically, absorbs stress during mounting.

#### LOW PROFILE

Design for space-constrained applications.

#### HIGH-SPEED READY

Perfect for SMT & multi-connector boards.

#### RELIABLE YIELD

Less stress, less rework, more precision.

Enables misalignment tolerance during PCB assembly

Enables greater design flexibility

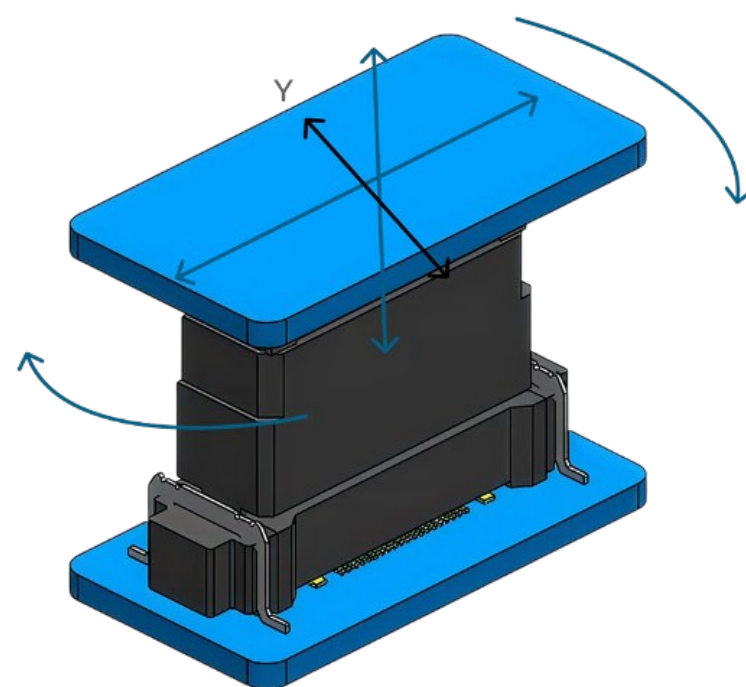
Reduces assembly-induced stress

Ideal for multi-connector applications on a single PCB



Simplify assembly with built-in  $\pm 0.5$  mm misalignment tolerance.

**FLOATING ABILITY:**  
X, Y, Z AXIS  $\pm 0.5$ MM



## VITA 66 RANGE

### Fiber Optic Connector

#### DESIGNED FOR VITA ARCHITECTURE

- VITA-47 spec compliant
- Racking system

#### AVAILABLE IN 2 STANDARD CONFIGURATIONS

VITA 66.1 and VITA 66.4.

#### PHYSICAL CONTACT

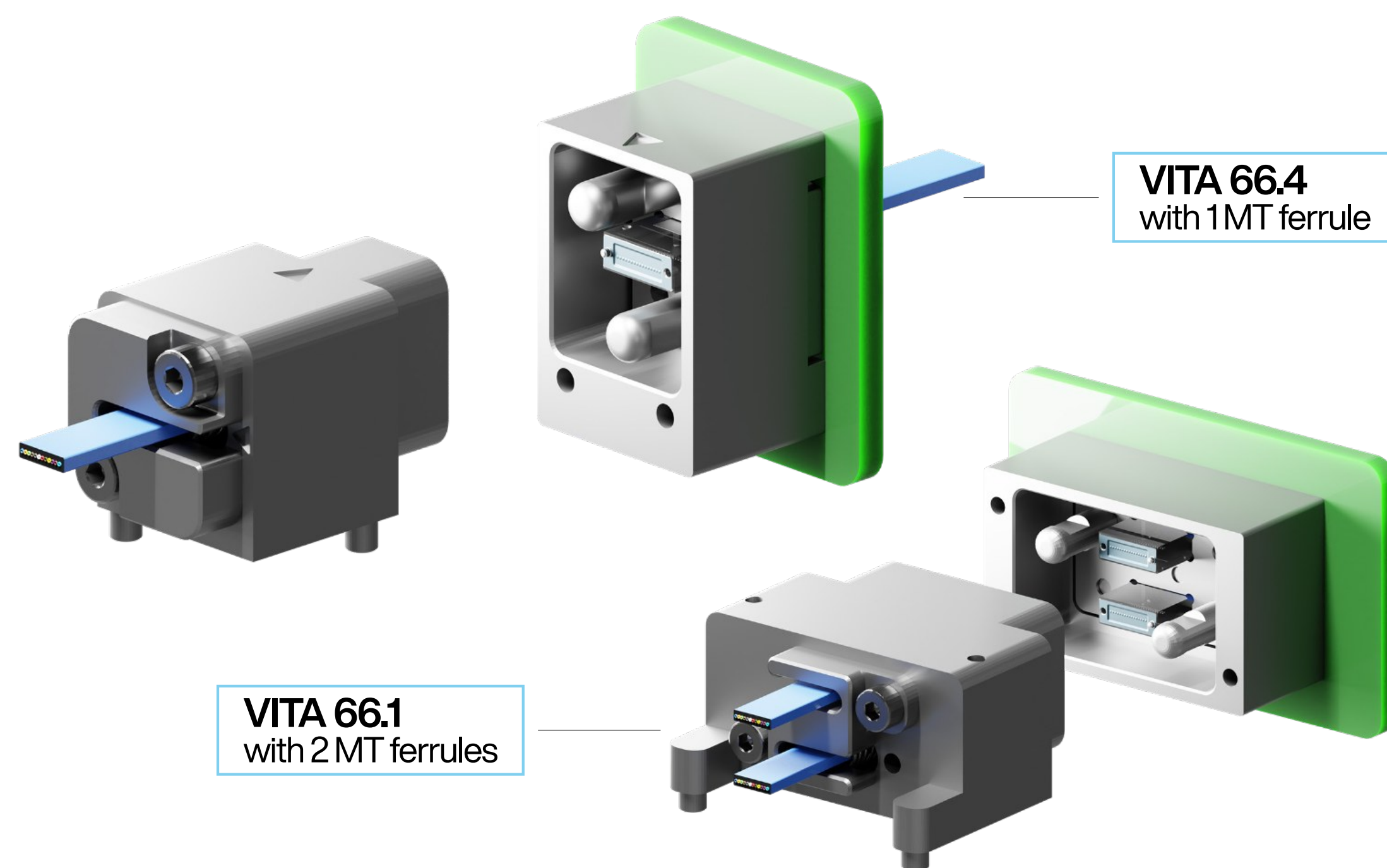
Compatible with standard MT-ferrule.

#### EXPANDED BEAM

Secure signal transmission in extreme environments thanks to the lensed technology.

VITA 66.4  
with 1 MT ferrule

VITA 66.1  
with 2 MT ferrules



Lensed fiber optics for mission-critical signal integrity.

#### EASY CUSTOM

We offer tailored cable assemblies to match your application's needs — built for performance and durability.



## DMM

Metal connector for extreme applications, 2mm pitch

### EXCEEDS MIL-DTL-83513G PERFORMANCES

- Outstanding signal reliability & environmental capacities
- New European standard EN4893 (in progress)

### EFFECTIVE EMI SHIELDING

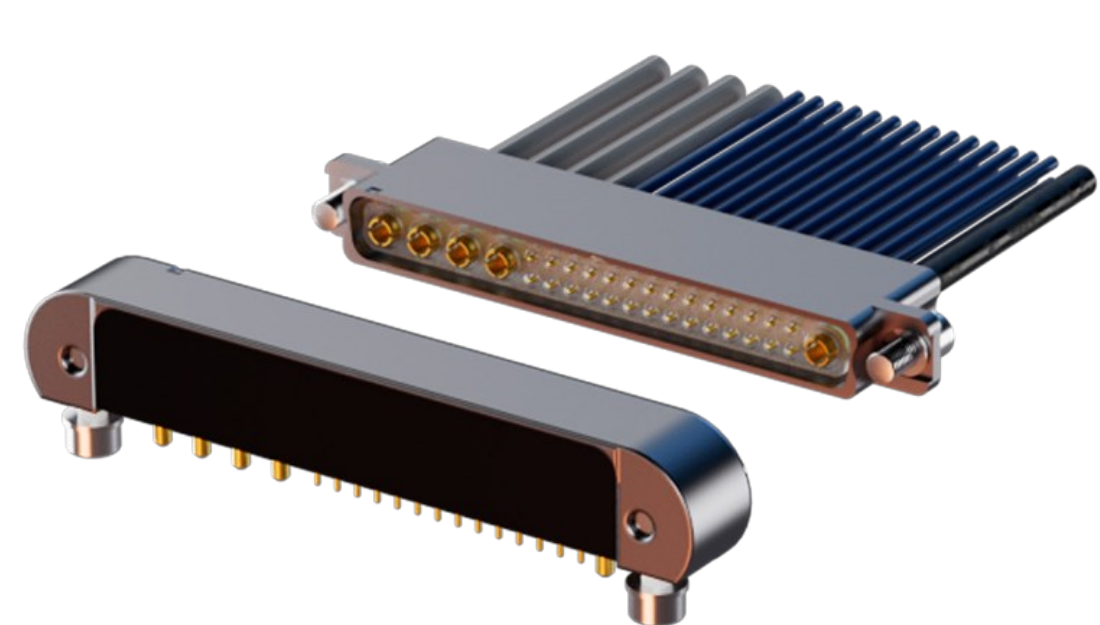
- 360° protection of the most sensitive data transfer
- Backshells, EMI gaskets, flange options, full harness
- Panel mount: front and rear

### SPACE & WEIGHT SAVING

- Low-profile aluminium shell
- Compact 90° contacts
- High-density (up to 4 rows)

### EASY TO CUSTOMIZE

- Infinite number of configurations
- Combo layouts: coax, high power and signals in 1 connector



#### DMM IP67

Dust-tight and waterproof protection for harsh environments.



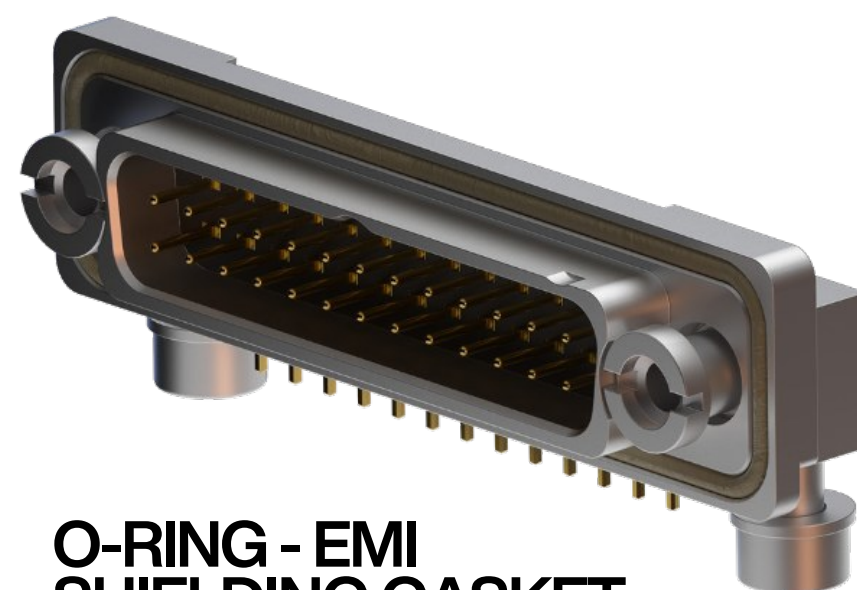
#### DBMM - A FUSION OF A CONNECTOR AND A BACKSHELL

Compact all-in-one solution for faster installation and improved mechanical robustness.



#### FIBER OPTIC CONTACTS

High-speed data transmission with immunity to electromagnetic interference.



#### O-RING - EMI SHIELDING GASKET

Enhanced EMI shielding to protect signal integrity in sensitive systems.

The diamond of connectors: robust and reliable in the most demanding operations.

## MICRO-D

Miniature connector for harsh environments

### MIL, AERO, SPACE AND MORE

Meets the requirements of the most demanding applications.

### COMPACT CONNECTOR

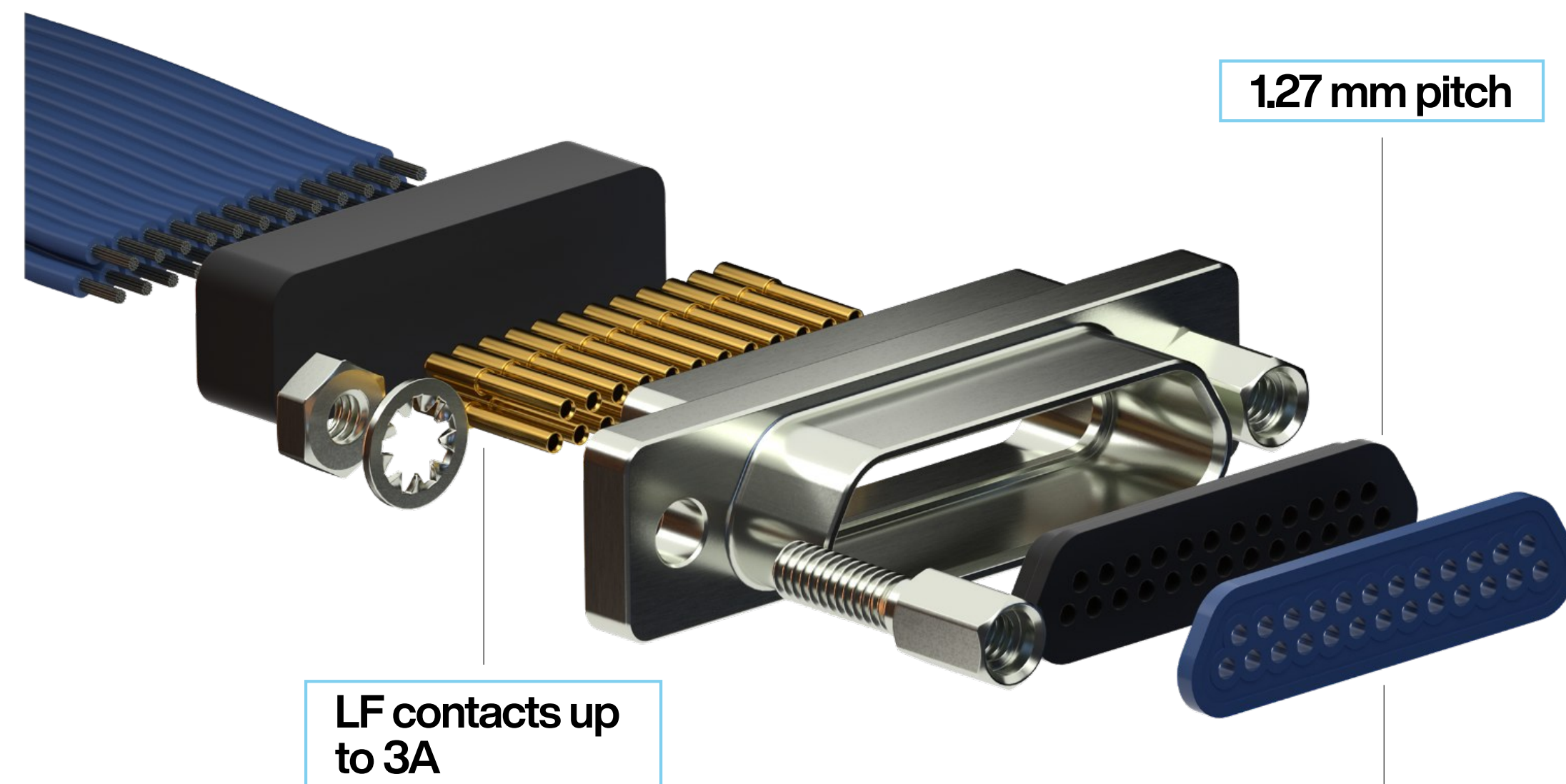
Ideal for weight and space saving.

### NO COMPROMISE ON PERFORMANCE

Meets or exceeds the MIL-DTL-83513 testing requirements.

### CUSTOMIZABLE

Nicomatic-grade customer service and reactivity applied to Micro-D.



1.27 mm pitch

LF contacts up to 3A

From 9 to 130 pins

High reliability for severe environments.

THE MICRO-D CONTACT IS DESIGNED TO ENSURE DURABILITY AND EXCEPTIONAL SIGNAL INTEGRITY.





## OPTIMUS

### EN4165-type sealed modular connector

#### THE MOST PRACTICAL SEALED CONNECTOR

- Suitable for blind-mate & rack applications
- Easy assembly
- Field replaceable sub-assemblies

#### COST-SAVING ON FUTURE EQUIPMENT UPGRADES

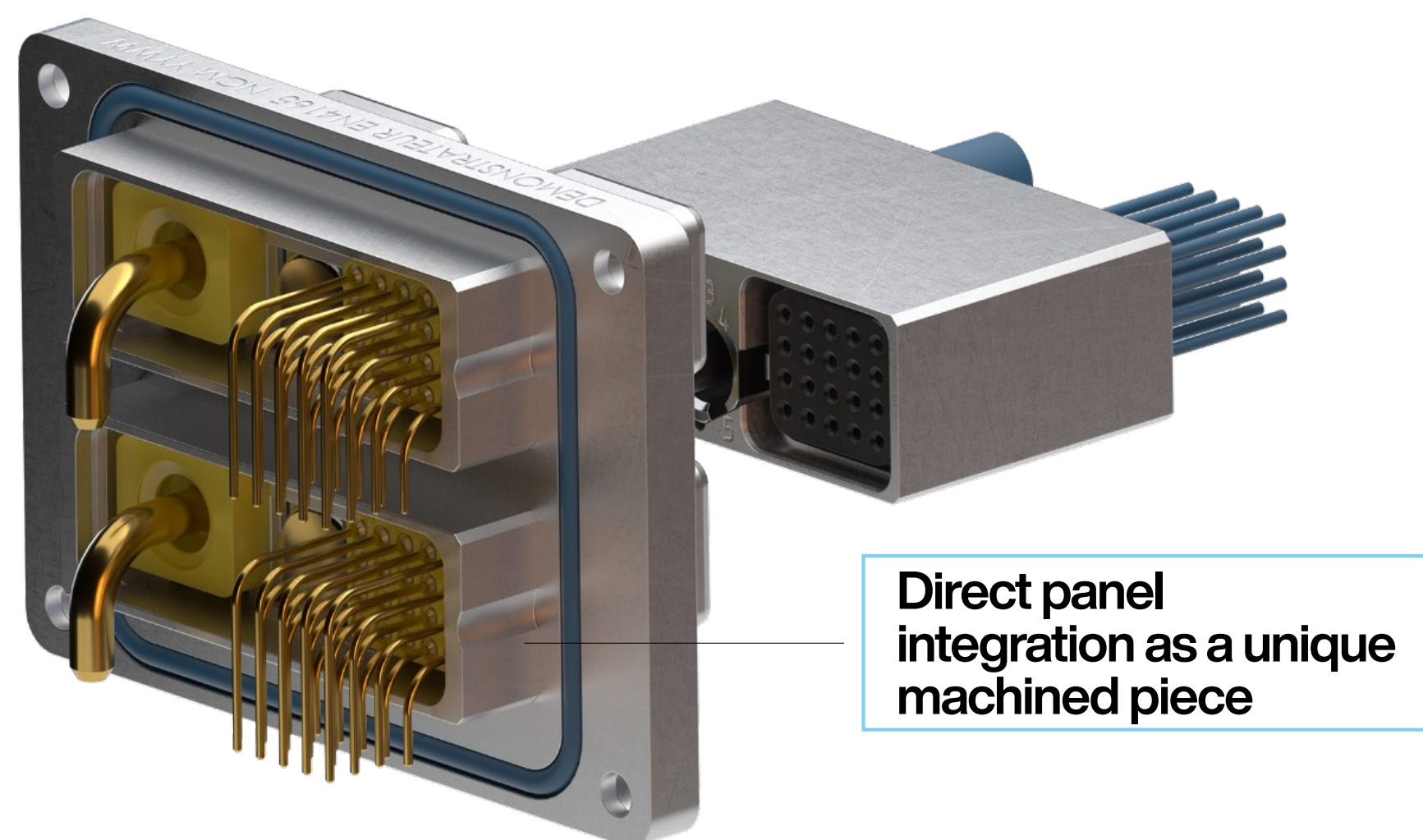
- Upgrade modules without changing entire connectors
- Ideal for Line Replacement Modules (LRM)

#### COMPACT & STACKABLE

- Slim shell adapted to flat boxes
- High contact density
- Direct connection to motherboard

#### EXTREME MODULARITY & UNLIMITED CUSTOMIZATION

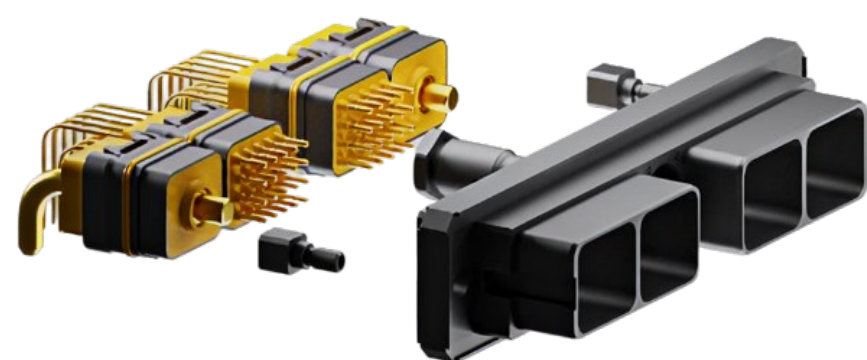
Make your own design with custom plates, quick fixings, backshells, signals, power contacts, coax, twinax, quadrax, optical fiber.



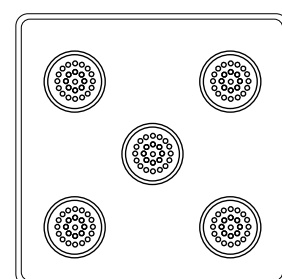
Direct panel integration as a unique machined piece

The most versatile sealed connector that evolves with your system.

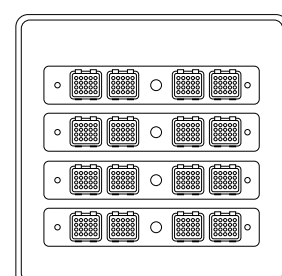
#### POSSIBILITY TO UPGRADE MODULES without changing the entire connector



#### COMPACT DESIGN thanks to rectangular shape



CIRCULAR CONNECTOR  
→ 110 CONTACTS  
▪ Additional space required



OPTIMUS CONNECTOR  
→ 320 CONTACTS  
▪ Slim Fit (vs. Circular I/O)  
▪ Possibility to stack connectors



## NCC - CIRCULAR CONNECTOR

### MIL-DTL-D38999 Series III

#### ULTRA STANDARD COMPLIANCE

Plug-and-play MIL-DTL-D38999 Series III connectors.

#### CIRCULAR DESIGN

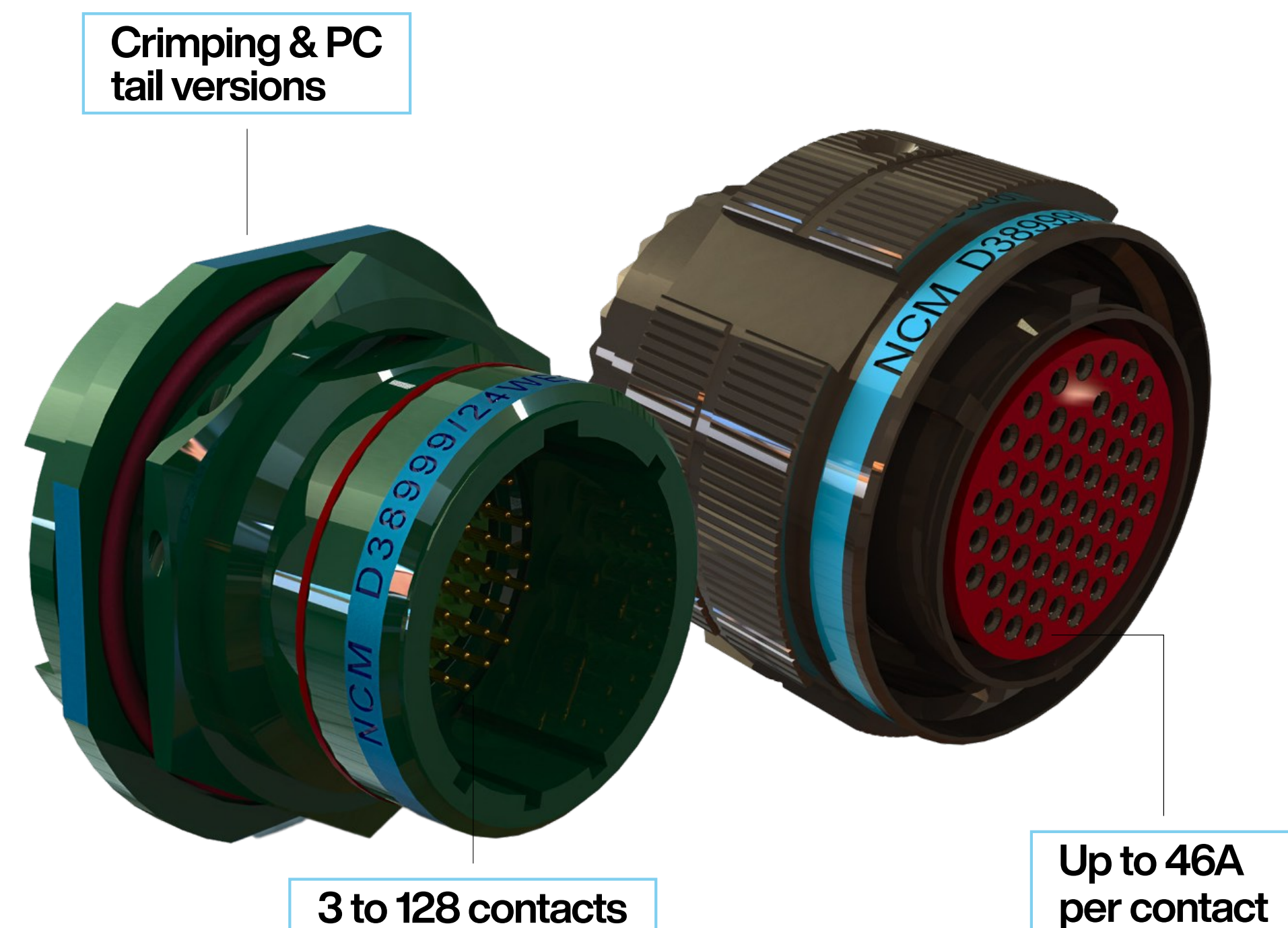
360° shielding in a robust circular form for seamless system integration.

#### MISSION-CRITICAL RUGGEDNESS

Shock, vibration, wide temperature range & EMI resistance.

#### LONG LIFE & EASY REPAIR

Engineered for full intermateability and interchangeability.



Rugged MIL-DTL-D38999 Series III circular connector designed for defense & aerospace applications.

## BACKSHELLS

Backshells for enhanced EMI / RFI shielding and mechanical protection

### VARIOUS PLATINGS AVAILABLE

Nickel, cadmium-plated, black zinc nickel, gold, silver and passivated.

### RICH CHOICE OF ACCESSORIES

Cable clamps, adaptors, heat shrink boots, caps.

### LOCKING OPTIONS

- Secure-locking for rectangular connectors
- Fast-locking for Sub-D, Micro-D
- Self-locking for circular backshells

### MATERIALS

- Aluminium
- Bronze
- Inox

We provide backshells for Nicomatic connectors and other connector types:



Rectangular backshells



Circular backshells

Tailored backshells for total control over protection and performance.

CUSTOMIZE SIZE, SHAPE, MOUNTING OPTIONS TO FIT YOUR APPLICATION PERFECTLY



## CABLE ASSEMBLIES

Inbox, I/O and fiber optics turnkey solutions

### SIMPLIFY YOUR SUPPLY CHAIN

- Single part number & single supplier
- No tools and wire stocks management

### BENEFIT FROM OUR EXPERTISE: FROM DESIGN TO PRODUCTION

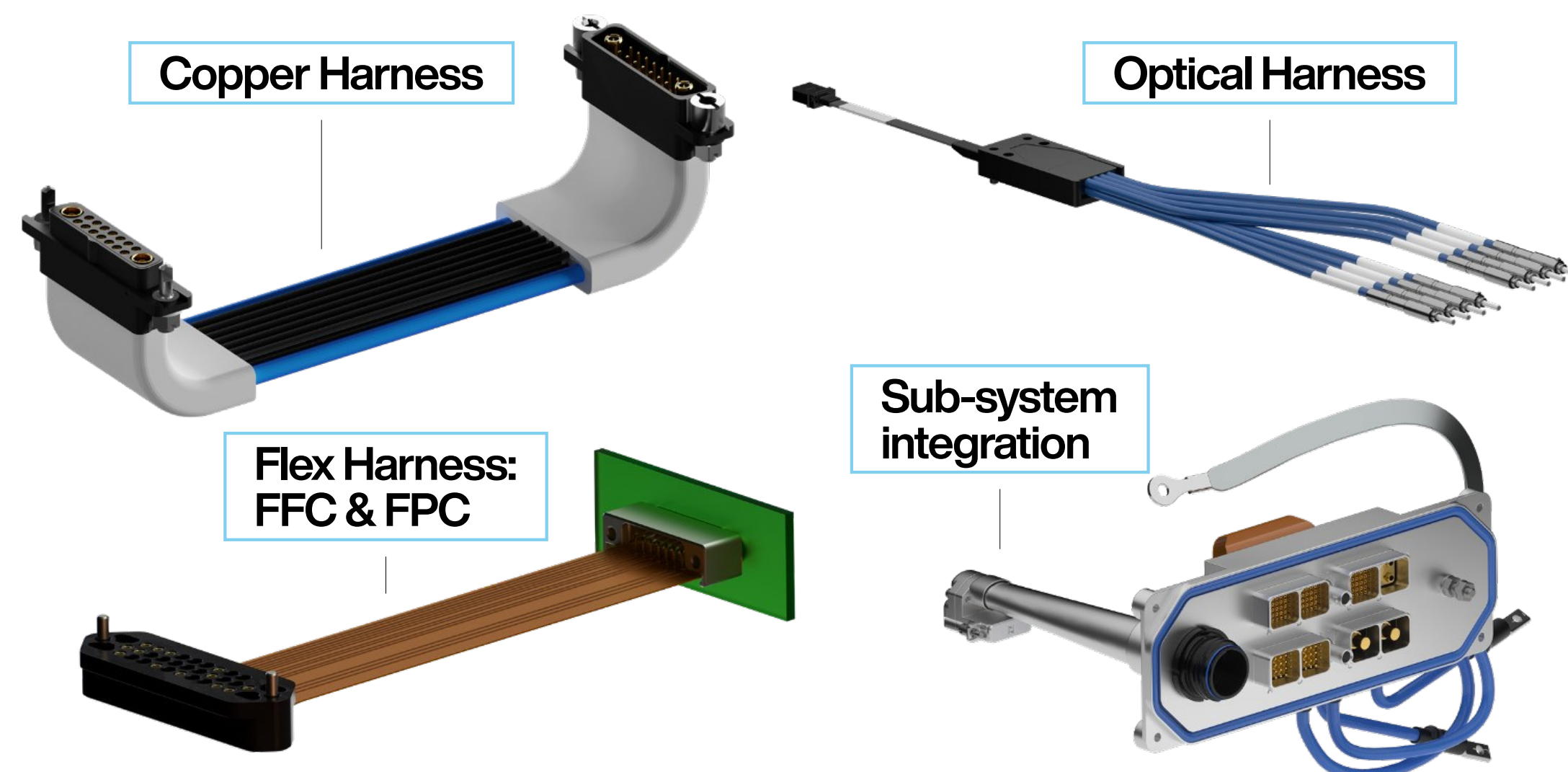
- In-house IPC-A620 trainer and a competent committed team
- Mechanical & electronic engineers
- In-house testing laboratory

### ENJOY UNLIMITED DESIGN POSSIBILITIES

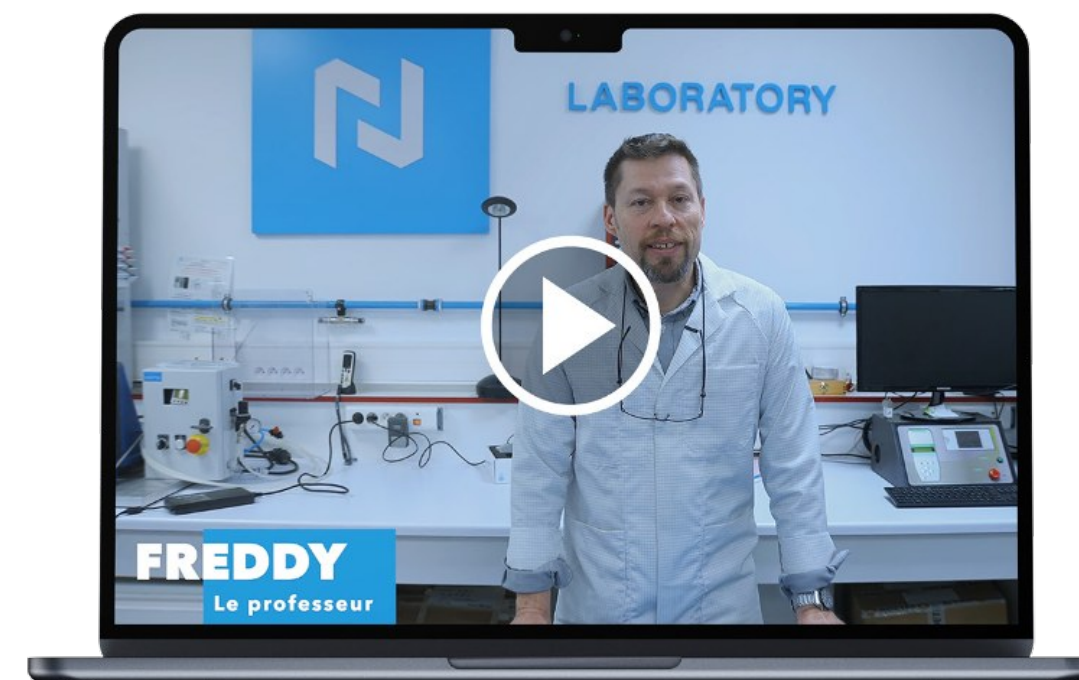
- Backpotting, overmolding, shielding termination, backshells
- Personalised marking and packaging

### PLUG & PLAY

Enjoy ready-to-use solutions! Invest your time in new projects.



Your plug & play solution for custom, tested, and ready-to-go cables.



Prefer to assemble cables in-house? We provide training to help your team do it right.



## FLAT FLEXIBLE CABLES

Compatible with ZIF/LIF standard connectors

### BUILT TO WITH-STAND HEAT AND HUMIDITY

Reliable signal transmission thanks to high resistance to moisture and temperature.

### FOLDABLE AND LIGHTWEIGHT

Reinforced materials and fatigue-resistant construction.

### CLEAN & CONSISTENT SIGNAL TRANSMISSION IN HIGH SPEED APPLICATIONS

Impedance control versions available.

### UNLIMITED CUSTOMIZATION

Wide range & specific options available: shielding, gold plating, impedance control, and others.

0.50 to 2.54 mm pitch

V-shield option for EMI/RFI protection in dynamic flexing situations

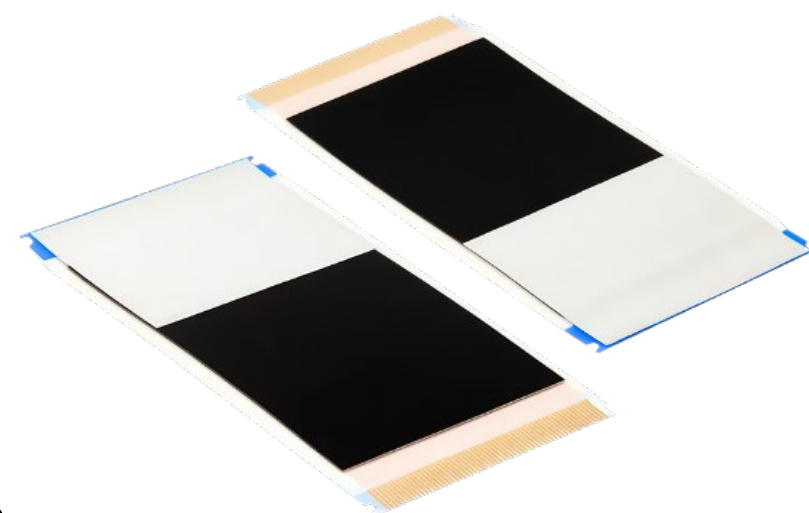
Multiple termination styles

Gold plating available

Flat cables with reliable performance.

### Z-FFC: IMPEDANCE CONTROL CABLE FOR HIGH-SPEED APPLICATIONS

- $100 \pm 10\% \Omega$  differential impedance control.
- Clean and consistent signal transmission at high frequency applications in an Alternating Current (AC) circuit through minimizing Insertion Loss, Return Loss, and negating Crosstalk.
- Compatible with all ZIF/LIF style connectors, including Locking Tab Systems and ground plates.



## MICROFLEX

Flexible connection for harsh environment

### GAIN MORE FLEXIBILITY

Better bend radius vs standard wires.

### READY & EASY TO CONNECT

Mating with standard CMM connectors.

### PERFECT FOR SWaP-C CHALLENGES

Optimize your design decisions on Size, Weight, Power and/or Cost.

### REDUCE UP TO 60% OF WEIGHT

Designed for miniaturized onboard systems.

Mating with standard CMM connectors

Ultra short length available (50 mm)

Quarter-turn fixing hardware

Shielding

Polyimide for heat resistance

A smart alternative to round wire — save space, cut weight, stay flexible.

### FEMALE - FEMALE

- Screw fixing on both ends
- Up to 20 gn vibration resistance
- Disconnectable on both sides

### SOLDERPIN - FEMALE

- Different length on each branch
- Panel motion option
- Numerous fixing hardware options

### OCTOPUS

- From 02 to 10 branches
- Different length on each branch
- Any numbers of pins for each termination



## CRIMPFLEX

Crimping technology for flexible connections

### WIDE RANGE OF SOLUTIONS

- Flex-to-flex
- Flex-to-wire
- Flex-to-PCB

### BUILD IT YOUR WAY

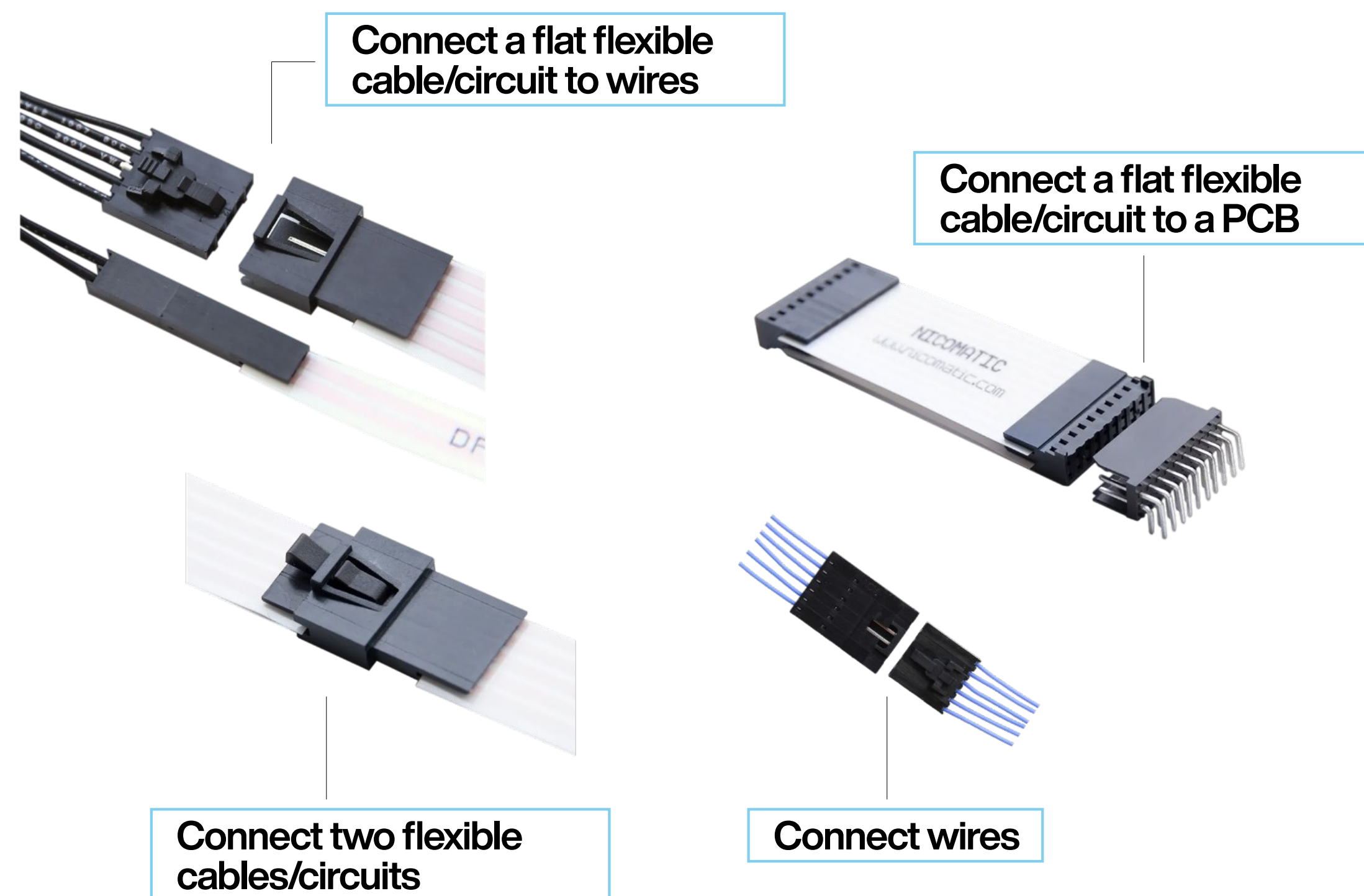
Delivered assembled or ready for your in-house assembly with our crimping equipment.

### COMPATIBLE WITH MARKET STANDARDS

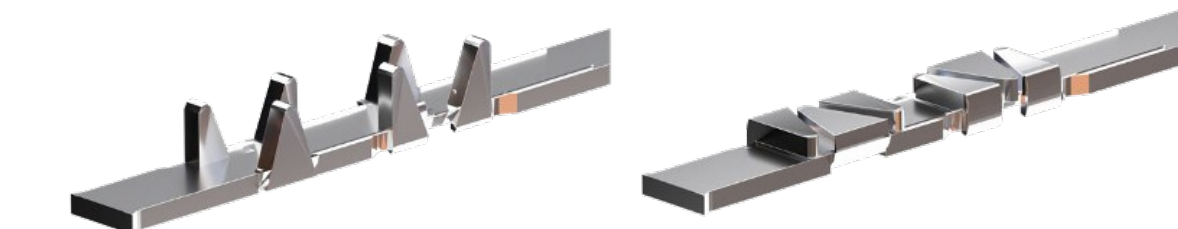
- 1.27 mm pitch
- 2.54 mm pitch

### SUPERIOR MECHANICAL RETENTION

Compared to ZIF/LIF connectors.



### CRIMPFLEX CRIMPING TECHNOLOGY



Contact before crimping    Contact crimped

### BUILD WITH OUR EQUIPMENT



Hand crimp tool    Crimping press



## DOMES AND LEDS

High-performance solutions for membrane switches

### PACKAGING ADAPTED TO YOUR NEEDS

Bags, tubes, reels and arrays (standard or custom).

### NO MORE DOME STICKING

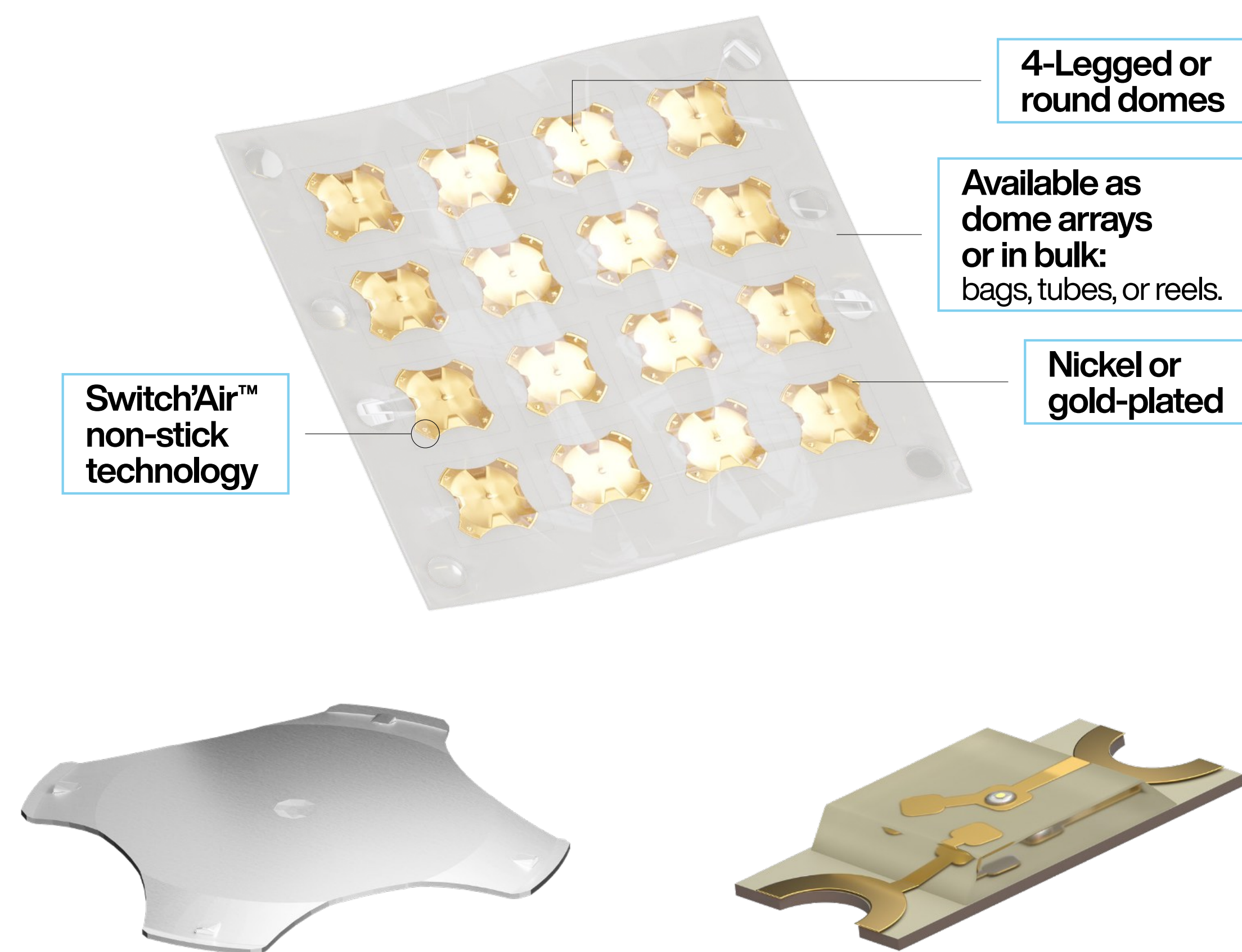
Switch'Air™ technology keep domes separate.

### QUALIFIED ACCORDING TO ASTM F2592-16

Ensuring consistent tactile response, actuation force, and durability through standardized testing.

### SHORT LEAD TIME

Most standard versions are shipped within 24/48h.



### SPECIFICATIONS

- Diameter: from 4mm to 12.2mm
- Activation force: from 170g to 420g
- High reliability: up to 5 million activations
- Operating temp: from -40°C to +105°C
- Storage temp: from -55°C to +125°C

### SMD LEDs

- Extremely thin
- Bright and consistent
- Easy-to-place package
- Multicolor options



## FLEX PCB HARNESS

Compact, reliable and fully customized interconnection solutions

### SPACE & WEIGHT SAVING

Compact, lightweight and ultra-thin flexible architecture.

### SEAMLESS INTEGRATION

Signals, power and connectors in a single monolithic structure.

### SIGNAL INTEGRITY

Controlled impedance on request. Reduced signal losses and EMI for high-speed applications.

### DESIGN-TO-MANUFACTURE

Design-to-Cost and DFM approach from day one. Optimized for repeatable serial production.

Significant volume and mass reduction

Controlled impedance on request

Data rates above 10 Gbps

IPC Class 2/3

Qualified from -55°C to +125°C

Bends, shapes and conforms to mechanical constraints. No manual wiring, no assembly errors.

### CUSTOM GEOMETRY, STACK-UP AND CONNECTOR INTEGRATION

- USB 2.0/3.0
- LVDS
- HDMI
- PCIe
- SATA III
- Ethernet
- HD-SDI



## ELECTRONIC BOARDS

Custom-designed boards for critical embedded systems

### CUSTOM DESIGN EXPERTISE

Designed to meet your specific functional, mechanical and environmental requirements.

### DO-254 / DO-178

Over 20 years of FPGA expertise up to DAL A. Software up to DAL D. Full traceability and certification support.

### PRODUCTION & QUALITY

Complete in-house assembly line: SMT, through-hole, AOI 3D, X-ray, Takaya.

### ITAR-FREE

Ideal for international programs with no export restrictions.

Prototyping to serial production

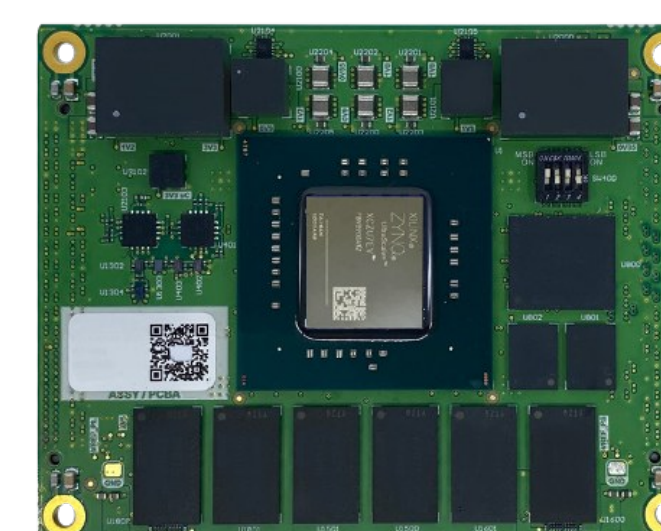
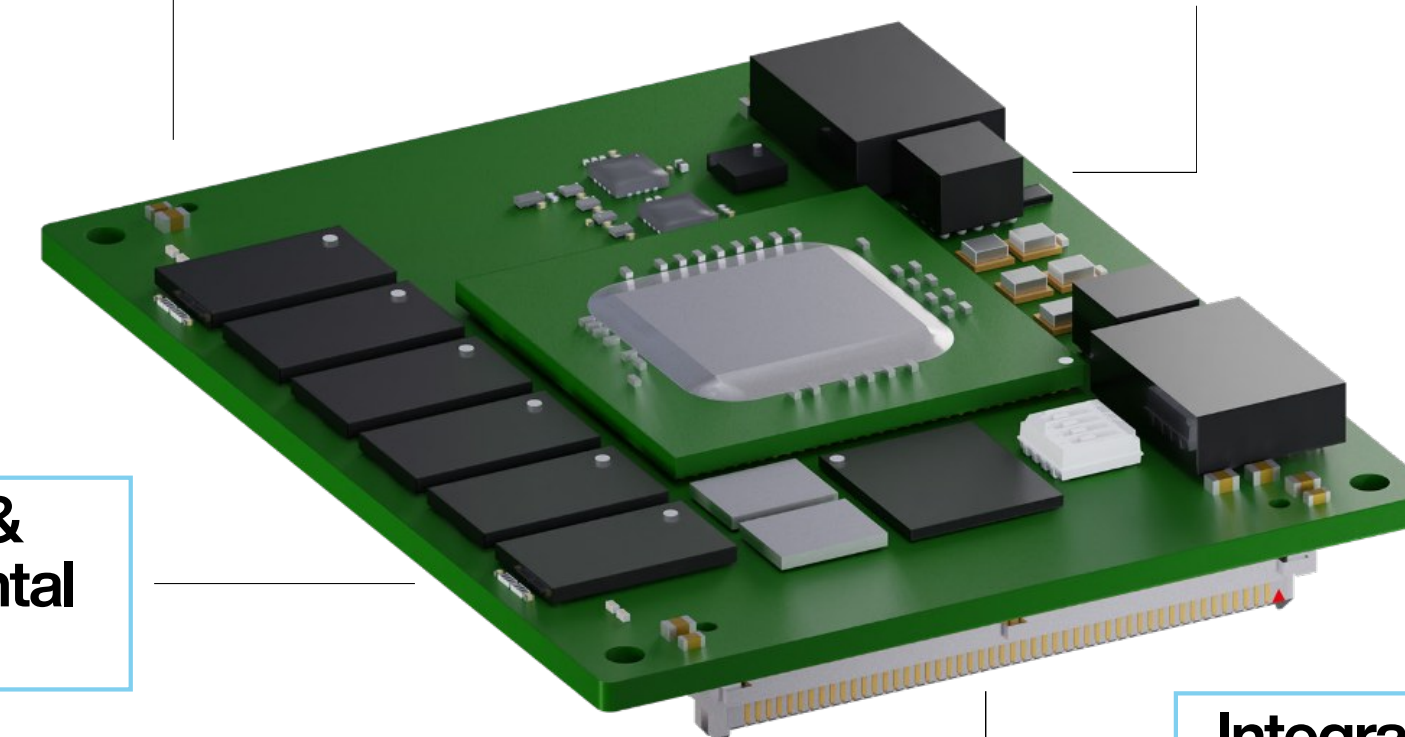
SMT & through-hole assembly

Functional & environmental testing

Integration support & lifecycle management

AOI 3D · X-ray · Takaya

IPC Class 2/3 · EN 9100



FROM DESIGN TO QUALIFICATION TO SERIAL PRODUCTION – ONE PARTNER, FULL ACCOUNTABILITY

## PLUG & PLAY SUB-ASSEMBLIES

### A complete and customized solution

#### REDUCED OVERALL COST

- Fewer parts
- Faster builds
- Lower total cost – direct integration does it all

#### INCREASED STRENGTH

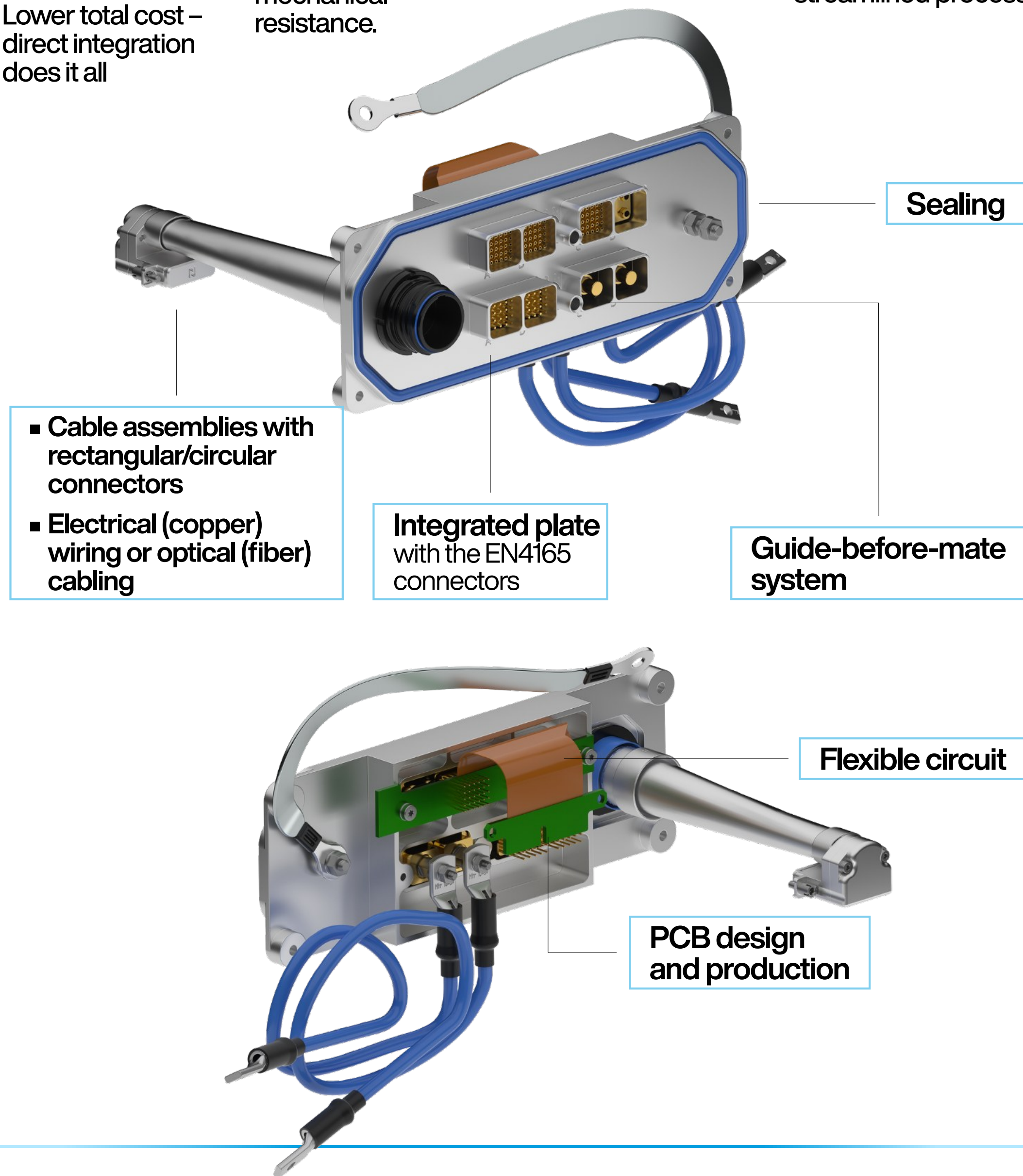
Monobloc integration for superior mechanical resistance.

#### SPACE SAVINGS

Compact solutions designed for tight spaces.

#### SIMPLIFIED PROJECT MANAGEMENT

One partner, one streamlined process.



Connectors, harnesses and electronics reduced to a single integrated assembly.

## ILLUMINATED PANELS

### Precision-engineered design for extreme environments

#### ENDLESS CUSTOMIZATION

Choose from various backlighting configurations, buttons, and integrated elements (screens, switches, etc.)

#### DO-160 STANDARDS

Designed to meet the strict requirements of aerospace and military applications.

#### OPTIMIZED DESIGN

Customization of shapes, colors, and luminance to fit your specific needs.

#### DIVERSE APPLICATIONS

Suitable for use in aerospace environments, off-road vehicles, and maritime applications.



### SPECIFICATIONS

- Ideal for use with night vision systems in military environments.
- High-precision machining, laser engraving, and painting for perfect finishes.
- PMMA, polycarbonate, and other materials highly resistant to extreme environments.
- Management of luminance, chrominance, and radiance for optimal lighting conditions.
- Resistant to extreme temperatures and severe vibrations, with a long service life.

### MODULAR AND CUSTOM DESIGN

"Build-to-Spec" or "Build-to-Print" solutions tailored to specific requests, exact technical and aesthetic requirements.





## COMPUTING UNITS

Compact embedded processor

### TAILORED DESIGN

Custom design based on customer specifications.

### MODULAR TECHNOLOGY

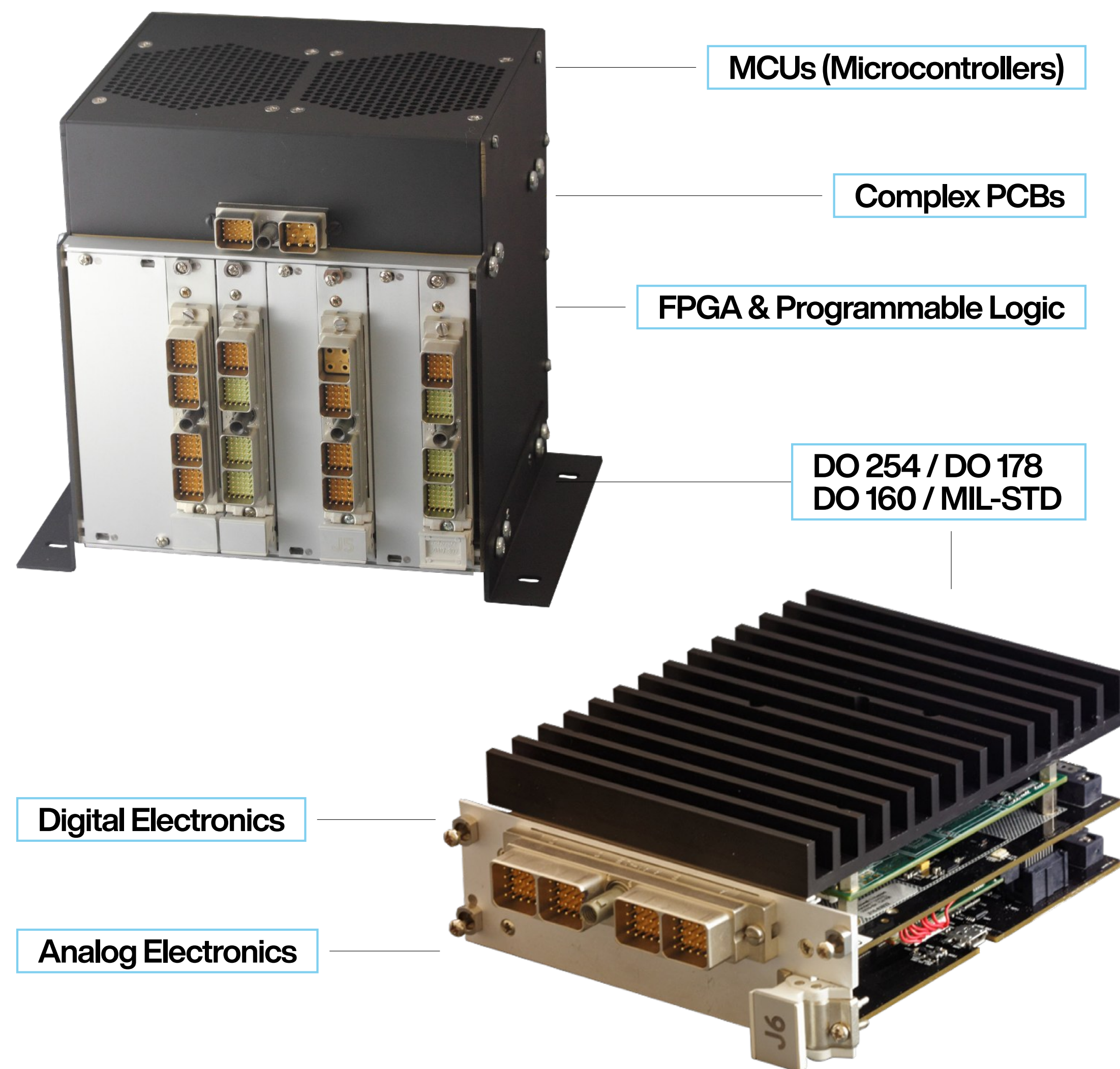
Combine existing building blocks or develop bespoke components.

### SIGNAL & VIDEO PROCESSING

- FPGA logic
- Pre-processing
- Filtering

### I/O MANAGEMENT

- Conversion
- Centralization
- Data handling



Partner for the development & production of your computing units.



## CONTROL UNITS

From mechanical design to electronic and software integration and maintenance

### FRONT PANEL CUSTOMIZATION

Housing, buttons, indicators, lighting, integration of touch systems and backlit displays.

### ADVANCED SYSTEM INTEGRATION

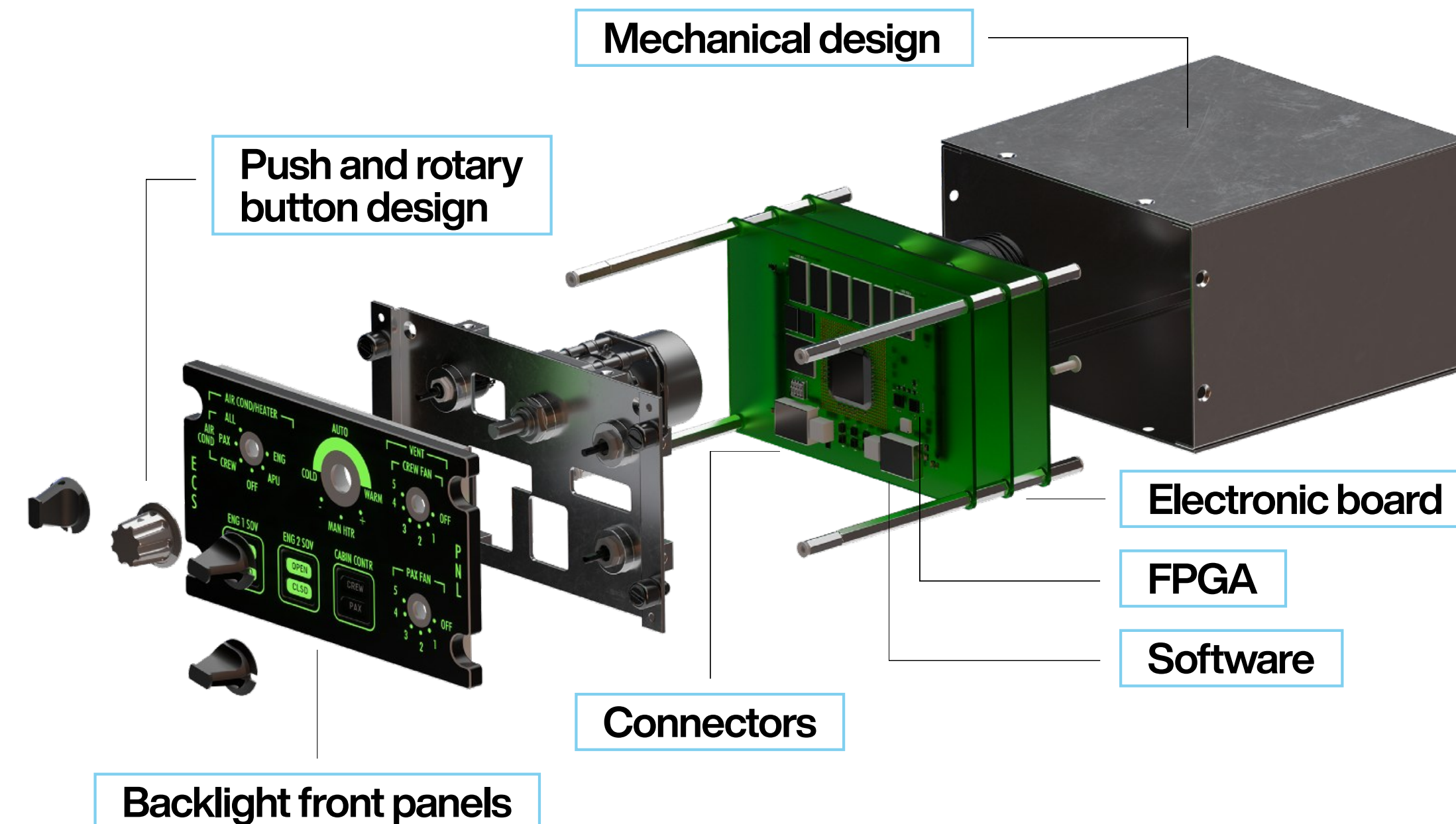
Integration of FPGA technology, electronic boards, and software solutions.

### COMPLIANCE WITH CRITICAL STANDARDS

DO254 certification (up to DAL A) and DO178 certification (up to DAL A), ensuring traceability and quality for critical systems.

### RELIABILITY IN EXTREME ENVIRONMENTS

Designed for demanding operational conditions, resistant to vibrations and extreme temperatures.



FULLY CUSTOMIZED,  
CERTIFIED  
AND MISSION-READY.





## CIVIL AEROSPACE DISPLAYS

Surveillance & entertainment responsive interface for onboard needs

### LIVE SURVEILLANCE

Real-time video from cabin, cockpit and cargo.

### IMMERSIVE ENTERTAINMENT

Stream music, video and external-camera feeds.

### CLIMATE & COMFORT

Touch controls for lighting, temperature and seats.

### FLEXIBLE FORM-FACTORS

Offered in three sizes to suit any aircraft requirement.

Rugged displays

DO-160 qualified

DAL D certifiable



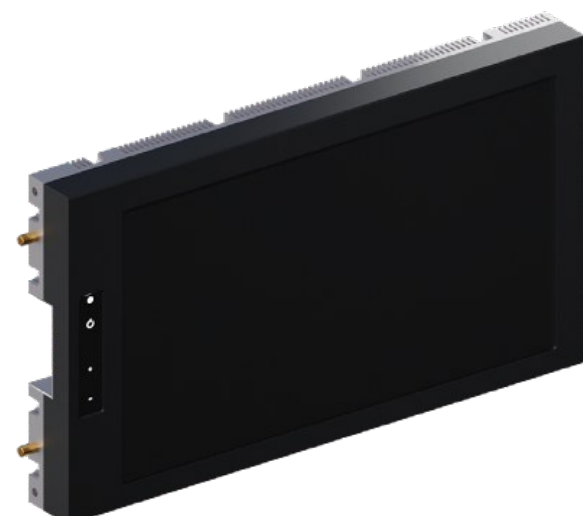
Full customization capability: software & hardware.



6.5" DISPLAY



7" DISPLAY



13.3" DISPLAY



## MILITARY AEROSPACE DISPLAYS

High-end ruggedized air system for critical information

### RUGGED DISPLAY SIZES

4.2" – 10.4" MIL-STD/DO-160 certified panels, fully customizable.

### RESPONSIVE LCD

Reacts quickly to user actions and display changes.

### BRIGHT VIEW

Readable in full sunlight, AR filter & NVIS compatibility.

### PROVEN EXPERTISE

20+ years delivering robust screens for weapon and transport aircraft.

Low consumption

Custom connectivity

ITAR Free

Providing reliable in-mission viewing



4.2" DISPLAY - HSI

- AHRS analog sync/resolver into digital display
- DAL A Certifiable



8.4" DISPLAY

- Embedded computing
- An MFD driven by a real-time operating system (RTOS)
- DAL C Certifiable



10.4" DISPLAY - MFD

- High Performance display for critical operations
- MFD with programmable Function buttons
- DAL C Certifiable

# LAND MILITARY DISPLAYS

Tactical advanced land operational systems

## TACTICAL DISPLAY

Decide faster.  
Act with precision.

## VIDEO SURVEILLANCE

Keep an eye on every  
detail, in all  
conditions.

## AUXILIARY CONTROL DISPLAYS

Control, monitor,  
secure.

## FIRE CONTROL

Target, Aim, Fire.



15" DISPLAY



10.4" DISPLAY



7" DISPLAY

Panel PC Intel i7

Field proven reliability, guaranteed compliance,  
seamless support.

## YOUR MISSION DISPLAY FOR C4ISR

- Designed for Defense: Military-grade design, robust to the last screw.
- Compliance without concession: Meets MIL-STD-704/810G/461F/1275E for extreme conditions.
- Support & Assistance: Integration help backed by daily expert commitment.

# CONTROL PANELS

Design and manufacturing of complete control panels

## CUSTOM SUPPORT

Customer assistance  
tailored to functional  
and technical needs.

## INTEGRATED DESIGN

Mechanical/  
electronic solutions.

## CERTIFIED PERFORMANCE

- DO-254
- NVIS-compatible
- ITAR-free optics

## PRECISION MANUFACTURING

Controlled shape/  
finish via machining  
or injection.

Controlled optical performance  
uniformity, contrast, luminance

Integrated user interfaces:  
push-buttons, switches  
and selectors



Embedded electronics  
and analog / digital  
interfaces

## FULL INTEGRATION, INCLUDING:

- Switches and push-buttons
- Displays (LCD, LED, etc.)
- Keyboards





## DRONE AVIONICS

Embedded electronics for next-generation autonomous systems

### FULLY CUSTOMIZABLE

Tailored to meet your exact drone system requirements.

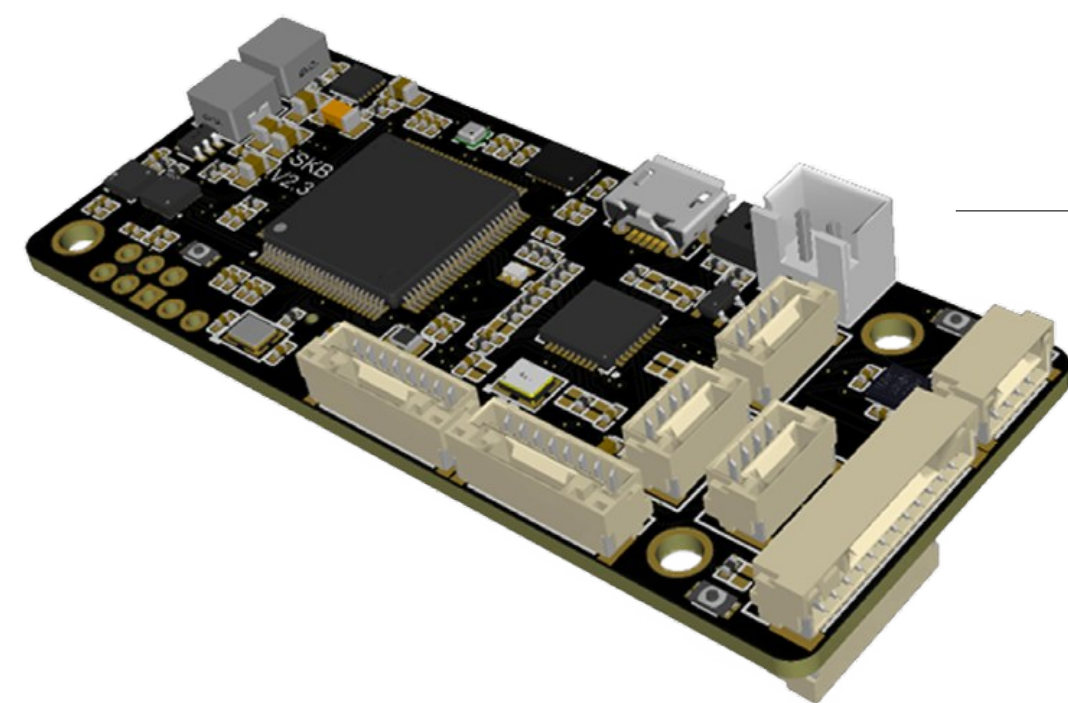
### AIR, LAND, OR SEA

Integrate efficiently across all types of platforms.

### SWAP-EFFICIENT

Compact, lightweight, and power-efficient for next-gen drone systems.

### DESIGNED & MADE IN FRANCE



### Skeyeboard

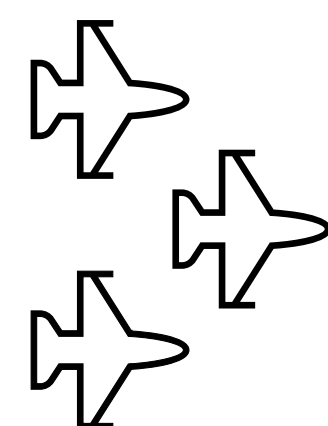
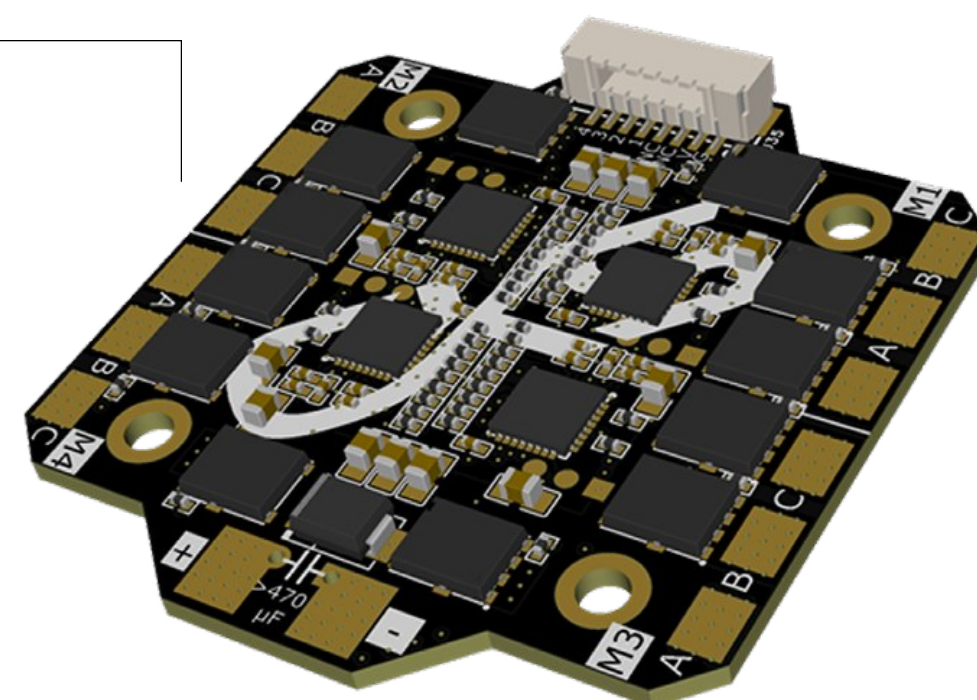
#### Flight controller and edge computing

Highly integrated nano avionics, compatible with Ardupilot & PX4, with edge-computing daughterboard and SWARM option

### 4-in-1 ESC 6S 65A

#### FPV drone format 4-in-1 ESC

65A 4-in-1 ESC, 40x40mm stack format, easy to integrate



## DESIGNED FOR HIGH-PERFORMANCE SWARM FLIGHT SYSTEMS

Mesh network enable direct communication instead of routing through the GCS.



## TACTICAL CASE

Tactical field solutions

### RUGGED DESIGNS FOR TOUGH CONDITIONS

Tactical field systems with integrated power and communication for harsh environments.

### ADVANCED COMMUNICATION SOLUTIONS

Embedded tactical systems with long-term availability and customizable options.

### OPTIMIZED POWER AND CABLING SOLUTIONS

Lightweight hybrid cables, multiple outputs, and alternative charging methods for extended mission readiness.

### PARTNERSHIP FOR MISSION SUCCESS

From initial concept to operational support, developed hand-in-hand with users.



Wiring



Screen

High performance micro connectors

Front panel

Rugged Tactical Solutions ensuring communication and power supply for your critical missions.

# The Nicomatic Signature

## INTEGRATED COMPANY

### 04 Production

Milling  
Screw machining  
Molding  
Cabling  
Lamination  
Stamping  
Assembly  
Fiber Optics

### 01 Design

Mechanics  
Electronics

### 03 Tests & Simulation

In-house laboratory

### 02 Prototyping

Mock-ups  
Sample production



#### The fusion of agile spirit and industrial power:

We combine the flexibility and “start-up-like” energy with the reliability and expertise of an established industrial company.



#### Flexible ordering:

Tailor your order size to your needs, with our flexible low or no minimum order policy.



#### Unlimited personalization:

Explore our versatile design options tailored to meet your specific requirements.



#### Powerful international network:

Enjoy the advantages of our global network while appreciating local, personalized services and production.



#### Quick deliveries:

Ensure your projects stay on schedule with our short lead times.



#### Sustainability:

Committed to a regenerative economy, we aim to connect not only technologies, but also people and organizations within trusted ecosystems.



EN9100 certified **in-house** development & production

# Committed to Sustainability

## A clear roadmap

In 2023, we defined a dedicated sustainability roadmap based on ISO 26000 guidelines, strengthened by our participation in the Business Convention for Climate. This momentum drives continuous progress across our organization.

## Our 4 Key Areas of Action



### Ecodesigning Our Products

Designing new eco-responsible connector solutions, inspired by our experience in modular connectors.



### Reimagining Management Models for a Better Future

Setting a new direction for our responsible and empowering management model.



### Reducing Our Impact

Reducing our negative externalities by focusing on what is essential to meet our customers' functional needs.

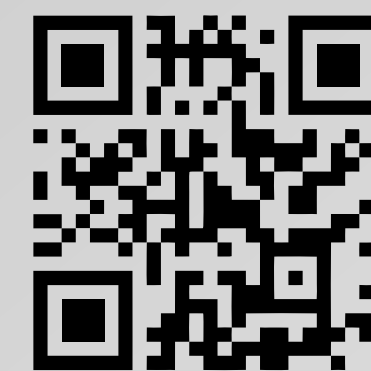


### Creating New Partnerships

Extending our service offering and be the architect of new cooperative adventures in our region.

Together, we are building a **more sustainable future**

# Find support at your local Nicomatic Entity!



Visit [nicomatic.com/contact](https://nicomatic.com/contact) and we'll guide you



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