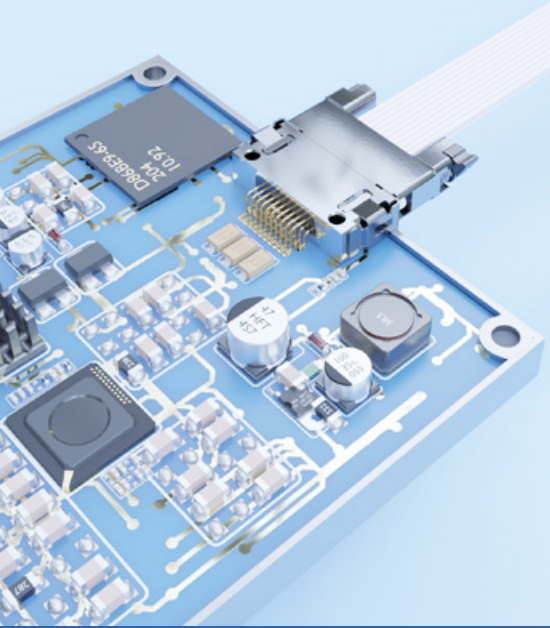


NANO-D FAST LOCK FAST-LOCKING NANO-D CONNECTORS



NANO FAST-LOCK



Nano-D Fast Lock

In addition to the complete range of nano-D connectors with 0.635 mm (.025") contact spacing, Axon' Cable offers a range of **fast-locking nano-D connectors**, which meet the requirements of the MIL-DTL-32139 standard. Just a few seconds are required for the connection. This is an ideal solution to combine fast integration and extreme miniaturisation in the same connector.



SATELLITES



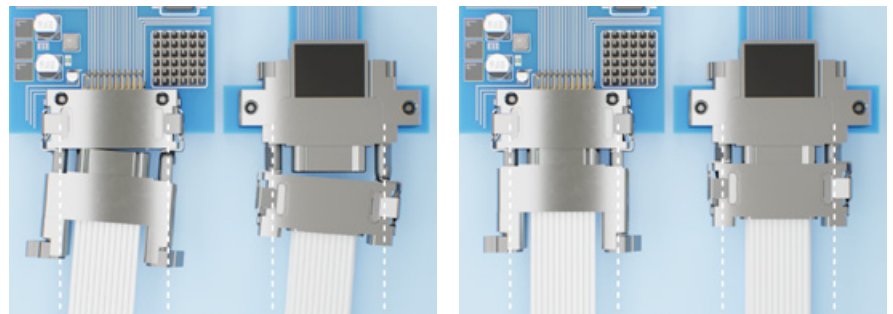
DEFENSE

Any applications in space-restricted areas.

KEY FEATURES & BENEFITS

The fast-locking system developed by Axon' consists of latch clips and special guide pins which make it easy to connect and disconnect in a few seconds. The guide pins, which can be either board or cable mounted guarantee a more secure connection. A compact version with the use of a tool is the ideal solution for very space-constrained areas. A hand-lockable version without tool is also available.

- ↗ Nano-D fast lock connectors are based on MIL-DTL-32139.
- ↗ Extreme miniaturisation.
- ↗ Designed for tough environments.
- ↗ Fast integration in a few seconds.
- ↗ Compact and hand-lockable versions.
- ↗ Guided mating.
- ↗ Guide pin can be either board or cable mounted (recommended for an easier handling).
- ↗ High reliability twist pin contacts.



Compared to screws used for standard nano-D connectors, the guide pins of the Nano-D fast lock makes the connection secure and reliable.

TECHNICAL CHARACTERISTICS

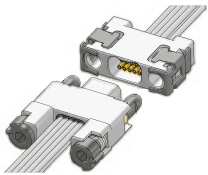
- ↗ Contact spacing : 0.635 mm (0.025").
- ↗ Number of ways: 09,15,21,25,31,37 & 51.
- ↗ Metal shell with captivated hardware.
- ↗ Pigtail and PCB connectors available.
- ↗ Operating temperatures: -55°C up to + 150°C.
- ↗ Current rating: 1 A.
- ↗ Vibration as per MIL-DTL-32139.

NANO-D FAST LOCK CONNECTORS

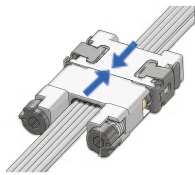
HOW TO MATE & UNMATE NANO-D FAST LOCK CONNECTORS?

↪ Easy mating and unmating in a few seconds

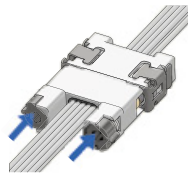
MATING



STEP 1: approach the two connectors



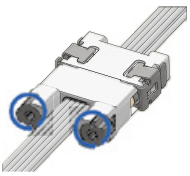
STEP 2: mate them



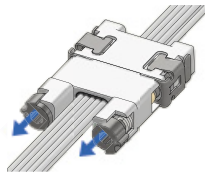
STEP 3: push the two guide pins. Then its fully locked



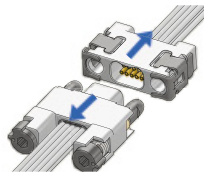
UNIMATING



Step 1: turn out each guide pin by 90°



Step 2: the guide pins will go out automatically



Step 3: spread the connectors apart.

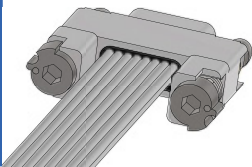
COMPACT & HAND-LOCKAGE VERSION: CHOOSE THE RIGHT VERSION FOR YOUR NEEDS!

Depending on the space available, 2 versions of guide pins are offered. The compact version to be used with a small tool and a hand-lockable version.

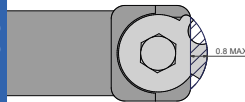


COMPACT GUIDE PIN

3D VIEW



DIMENSIONS

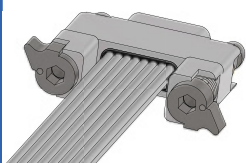


DIFFERENCES

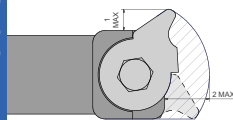
- Smallest dimensions
- Tool (1.27 mm HEX) needed to unlock
- Very small room needed during rotation

MANUAL GUIDE PIN

3D VIEW



DIMENSIONS



DIFFERENCES

- Finger grip levers
- No tool required (1.27 mm HEX kept)
- Larger room needed for rotation

INTERNATIONAL PRESENCE

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Axon' Cable is a global leader in the design and manufacture of high-performance in-terconnect solutions for a wide range of industries, including aerospace, defence, medical, and industrial markets. With over 55 years of experience, Axon Cable has established itself as a trusted partner to its customers by providing innovative solutions that meet their most demanding requirements. From custom-designed cables and connectors to cable assemblies and harnesses, Axon Cable's expertise and state-of-the-art manufacturing facilities enable it to deliver reliable, high-quality products that are optimized for performance and reliability. With a commitment to excellence and a focus on customer satisfaction, Axon Cable is dedicated to driving innovation and advancing the state-of-the-art in interconnect technology.

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