

Nano-D CONNECTORS



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AXON' PROMOTES THE MAKE-IN-INDIA POLICY

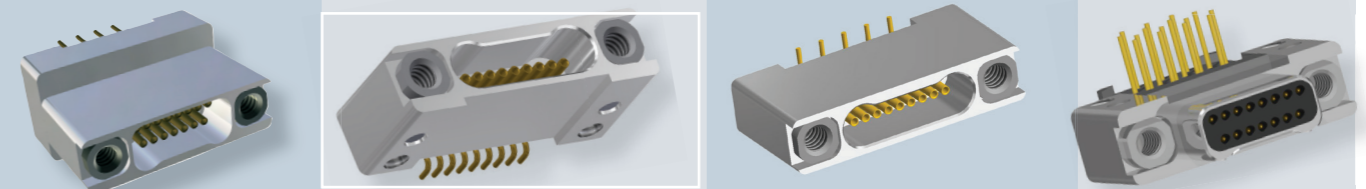
Located in Bangalore since 2010, Axon' Interconnectors and Wires produces state-of-the-art wires and cable harnesses using "made in India" Micro-D, Nano-D connectors or indeed any other connectors where specified. From one-off demand to mass production, Axon' India can deliver cable assemblies including single and multi-branched harnesses. The company offers French technology which is made in India. The Axon' group created a new factory in Bangalore in 2013 but the company, viewing India as a strategic market, has decided to build a new plant at the Devanahalli Aerospace Park close to the international airport in Bangalore. Headquartered in the beautiful Champagne region of France, Axon' is a worldwide leader in specialist interconnect. With subsidiaries everywhere in the world along with a large network of agents, Axon' Cable has a global presence.



In addition to miniature Micro-D connectors, Axon' Interconnectors and Wires PVT LTD, a 100% subsidiary of Axon' Cable in France, now offers Nano-D connectors, jumpers and harnesses. This is the connector of choice for any application requiring extreme miniaturization combined with high reliability, and is used in a variety of fields including aeronautics, space, defence, medical, oil and gas exploration. Nanominiature connectors are based on the Nano-D technology with 0.635 mm (.025") contact spacing and nanominiature shells.

HIGH QUALITY NANO-D CONNECTORS

The performance of the Nano-D connectors offered by AXON' are based on the MIL-DTL-32139 specification which is guarantee of interchangeability or intermateability between suppliers. This qualification includes male and female pigtailed with 9, 15, 21, 25, 31, 37 and 51 ways. They are made with shells of different materials including aluminium with nickel plating, stainless steel or titanium. Axon' India can also offer Nano-D connectors made with the same components and procedures as for the QPL products manufactured at Axon' Cable in the USA. These products are specially designed for defense and aeronautics applications.



NANO-D CONNECTORS
C H A R A C T E R I S T I C S

Different configurations

- Axon' s range of Nano-D connectors is available in several different configurations:
- o Nano-D rectangular connectors for cables
 - o Nano-D rectangular connectors for PCBs
 - o EMI versions

Characteristics

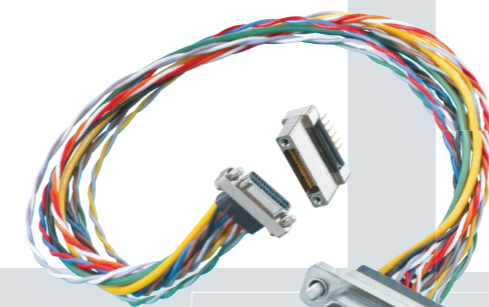
- o 0.635 mm (0.25") contact spacing (double the density of a micro-D)
- o Number of ways: 9, 15, 21, 25, 31, 37 and 51
- o Single or double row
- o Surface mount vertical or horizontal
- o High reliability twist pin
- o Metal shell construction with captivated hardware

Twist Pin contact

THE HEART OF NANO-D CONNECTORS

At the heart of the Axon' Micro-D and Nano-D connector is the Twist Pin contact which by its design and performance enables the system to meet the most severe requirements.

The Twist Pin contact is made up of 10 strands of beryllium-copper and copper alloy twisted together, welded then burred. These sprung strands are compressed during insertion into the turned female contact and therefore a high number of electrical contact points is permanently assured, while retaining flexibility and ease of insertion/extraction. Axon' carries out 100% automatic vision inspection of the shape and dimensions of every twist pin produced.



CABLE ASSEMBLY TERMINATED WITH MICRO-D AND NANO-D CONNECTORS

