



WATERPROOF MICRO-D IP68 CONNECTORS



WATERPROOF MI

WHAT IS IP68?

The **IP** Code (Ingress Protection Code) is a IEC 60529 standard that classifies and rates the degree of protection provided by mechanical casings and electrical enclosures against intrusion, dust, accidental contact, and water. IP68 provides protection in water at least 1m deep for 60 minutes and is also dustproof.

Expert in Micro-D connectors

As a specialist in advanced interconnect solutions, Axon' Cable has extensive experience in micro-miniature solutions based on the highly reliable Twist Pin contact technology.

By its very design, the Micro-D connector system meets all the requirements of robustness, durability, low contact resistance, high current, dielectric strength, shock and vibration.

With 1.27 mm (.050") contact spacing, Micro-D connectors, represent an excellent solution for saving both space and weight. In addition to a complete range of QPL qualified Micro-D connectors to MIL-DTL-83513, Axon' also offers Micro-D PCB connectors and cable assemblies in both metal and plastic bodied versions.

From auto racing to shallow water military crossings, harsh environments require rugged and highly reliable interconnect solutions especially when they come into contact with dust or water. Axon' Cable has expanded its range of Micro-D connectors by developing a waterproof Micro-D rectangular connector. IP68 approved, this innovative solution meets all the performance requirements of MIL-DTL-83513, while delivering significant water and dust protection thanks to a three-lip fluorosilicone rubber seal.

The solution is also compatible with Combo-D, custom-designed and high-density connectors. IP68 Micro-D connectors can be equipped with Axon's highly popular, fast-latching D-click® - an easy-to-use mating and locking system, with no tooling required.



APPLICATIONS:



MIL-AERO



AUTO RACING



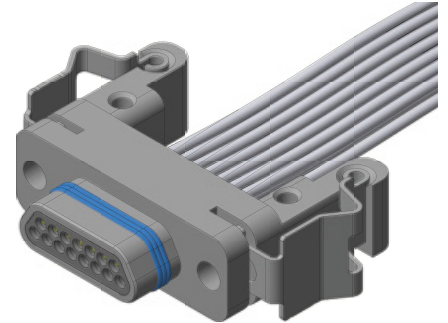
MILITARY LAND



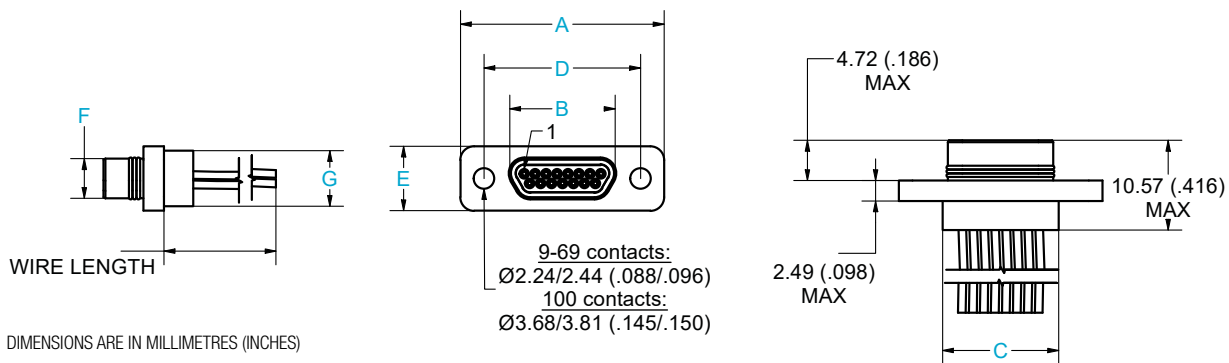
CRO-D IP68 CONNECTORS

MICRO-D IP68 FOR SEVERE ENVIRONMENTS?

- Designed and IP68 tested to withstand severe environments.
- Watertight after mating.
- Protected against water immersion: 1 meter for 60 minutes.
- Robust: excellent resistance to shock and vibration.
- Lightweight and space saving solution.
- Custom designed solution.



Waterproof Micro-D dimensions



	A ± 0.25 (± 0.010)	B max. Male	C $-0.46/+0.25$ ($-.018/+0.010$)	D ± 0.13 (± 0.005)	E ± 0.25 (± 0.010)	F max. Male	G max.
9 P	19.69 .775	8.48 .334	9.91 .390	14.35 .565	7.57 .298	4.69 .185	6.86 .270
15 P	23.50 .925	12.29 .484	13.72 .540	18.16 .715	7.57 .298	4.69 .185	6.86 .270
21 P	27.31 1.075	16.10 .634	17.53 .690	21.97 .865	7.57 .298	4.69 .185	6.86 .270
25 P	29.85 1.175	18.64 .734	20.07 .790	24.51 .965	7.57 .298	4.69 .185	6.86 .270
31 P	33.66 1.325	22.45 .884	23.88 .940	28.32 1.115	7.57 .298	4.69 .185	6.86 .270
37 P	37.47 1.475	26.26 1.034	27.69 1.090	32.13 1.265	7.57 .298	4.69 .185	6.86 .270
51DR P	46.36 1.825	35.15 1.384	36.58 1.440	41.02 1.615	7.57 .298	4.69 .185	6.86 .270
51 P	36.20 1.425	24.99 .984	26.42 1.040	30.86 1.215	8.66 .341	5.79 .228	7.87 .310
69 P	43.82 1.725	32.61 1.284	34.04 1.340	38.48 1.515	8.66 .341	5.79 .228	7.87 .310
100 P	54.86 2.160	35.15 1.384	36.37 1.432	45.72 1.800	9.75 .384	6.88 .271	9.14 .360

➤ ANY APPLICATION REQUIRING WATERTIGHT EQUIPMENT UP TO 1 M. DEEP

INTERNATIONAL PRESENCE

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Axon' Cable is a global leader in the design and manufacture of high-performance interconnect solutions for a wide range of industries, including aerospace, defence, medical, and industrial markets. Since 1965, 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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