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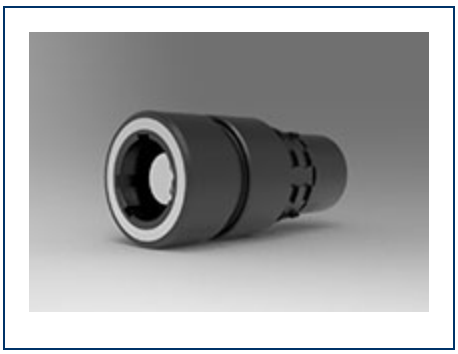
Item # NX-K10YAR-P10WCD0-0000, 10 Point Contact In-Line Receptacle Standard Ranger

Several Standard variants also feature straight plugs, rear mount receptacles, and in-line receptacles. These are ideal for many applications with lower current ratings and contact configurations.



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Specifications

Type of Connector	In-Line Receptacle
Size	0
Number of Contacts	10
Keying	Brown
Contact Type	Sockets
Contact Diameter	0.5 mm
Cable Diameter	3 to 5.5 mm
Insulator Material	Polyetheretherketone (PEEK)

Wire Cross Section	26 AWG
Termination Type	Solder
Termination Diameter	0.65 mm
Degree of Protection	Ingress Protection (IP6K8) Ingress Protection (IP6K9K)
Operating Temperature	-51 to 125 °C
Mating Cycles	5000
Shell Finish	Aluminum with Ruthenium Finish
Contact Finish	Cu-Alloy with Gold Finish
Current Rate	5 A
Voltage	200 V
Alternative Part #	K10YAR-P10 CD0-0000

The Difference Between High-Density and Standard Variations

The Difference Between High-Density and Standard Variations	Both products have the same features, such as contact types, insulator material, keying, termination type, degree of protection, operating temperature, shell finish, and mating cycle. However, they have some differences that may affect the connector's performance. The differences between the two products: • **Voltage:** Standard variations have voltages between 200V, 300V, 333V, and 450V, while High-Density only has voltage available in 250V. • **The number of contacts:** Standard deviations have 3, 4, 5, 7, 8, 9, 10, 14, and 16 options, while High-Density only has 9, 12, 16, and 27. • **Data transmission:** For Standard, USB 2.0 (480 Mbit/s) is available for NX-G80YAR-P04WFG0-000L and NX-A10YAR-P04XFG0-0000. You can also choose from USB 2.0 (480 Mbit/s) + Power, USB 3.2 Gen 1 x 1 (5 Gbit/s), HDMI 1.3 (8.13

Gbit/s), USB 2.0 (480 Mbit/s) + Power for High-Density. The rest is N/A.

- **Contact diameter:** Standard has a contact diameter of 0.5 mm, 0.7 mm, and 0.9 mm, while High-Density offers 3 x 0.3 mm, 6 x 0.7 mm, 10 x 0.3 mm. 2 x 0.7 mm, and 0.3 mm.
- **Contact finish:** Standard and High-Density are both Cu-alloy with gold finish.
- **Current rate:** High-Density offers a current rate of 1A and 5A for its products. On the other hand, Standard has 5A and 10A available. (to keep the same flow I would switch the order, standard first and HD second.)

Why Should You Opt for the New Ranger Connectors?

Why Should You Opt for the New Ranger Connectors ?	Our new and improved Ranger connectors are made with quality materials by our highly-skilled technicians. It features excellent electrical performance, a secure connection, and is easy to use. Even though we work primarily with the Military and Defense, Telecommunications, and Commercial Aviation sectors, Ranger is applicable for different applications in other industries. Versatility is the main benefit of Ranger connectors. So for more superior projects, it's the ideal option that you must consider. So if you're looking for a connector that can enhance your operation's efficiency, choose Ranger and find out what it offers.

Don't Miss the New Connector from Amphenol NEXUS Technologies

Don't Miss the New Connector from Amphenol NEXUS Technologies	Amphenol NEXUS Technologies produces some of the best connectors today. Our Ranger connectors are designed for high-performance applications and will meet your industry's requirements.