

Accessories for circular connectors



NYK Component Solutions are a franchised distributor of selected mil-specification connectors for leading QPL manufacturers. We offer a comprehensive inventory of backshells, contacts and connector accessories.

In many applications circular connectors require accessories in order to deliver a reliable electrical interface whilst addressing environmental, shock, vibration, and EMI/RFI considerations.



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Non-Environmental Backshells

are used when there is a requirement for additional space between the rear of the connector and the strain relief to allow for cable service loops, jumping, filter networks, etc. They provide a mechanical strain relief for non-environmental applications.



Environmental Backshells

protect the wiring side of the connector from dust, dirt, moisture and fluids. Almost all recent Military Specification cylindrical connectors are designed so that when the wires are inserted through the grommet, and assuming all holes in the grommet contain either a wire or a sealing plug, the connector will be environmentally sealed once the backshell or strain relief is secured.



Accessories for EMI and RFI shielding

When strong external noise fields exist, the conductors of a cable act as antennas and pick up the radiated signals. The reception of this interference results in inaccurate or interrupted data transmission. An effective shield prevents the reception on undesired signals as well as confining extraneous signals generated within the cable itself. EMI/RFI Backshells enclose the cable in a tightly woven metal braid comprised of wire strands which is then terminated at one or both ends of the cable to ground potential. The termination and grounding of the shield is accomplished by using a suitable connector backshell.



Cable Clamps

for strain relief. These clamps are used heavily in the automotive and heavy industrial markets. They are available in a wide variety of finishes including Cadmium Olive Drab, Electroless Nickel, Black or Green Zinc Cobalt and more.



Protective Covers to provide moisture and dust protection for almost every circular mil-spec connector. Available with a wide selection of lanyard types and lengths. Security rings and eyelets of all sizes are also available.

This is just an overview of our accessory offering, please contact NYK Component Solutions for further details and advice.

<https://www.nykcs.com/connector-backshells-accessories/>