

High-precision customization process for ESCON connectors used in railway communication

Overview

Wire EDM is used to create intricate shapes and fine details on connector components that require high precision. This process uses a thin wire electrode to cut through metal with electrical discharges, leaving smooth, accurate edges. They are designed for easy connection and disconnection. Hence they offer flexibility during maintenance and design of. The Enterprise System Connection Architecture, ESCON, was developed by IBM as a channel connection architecture with the intent of improving connectivity by incorporating fibre optics into a network. The connector system is a Retractable Shroud Duplex (RSD) and can be supplied as terminated. FPIC designs and manufactures connectors and precision components for automotive, energy, industrial automation and electronic equipment.



Article Content

Dec 01, 2025

Custom Connector Manufacturer | FPIC Precision Components

Whether it's modifying existing designs or creating entirely new connectors, we have the capabilities to deliver high-quality, customized solutions that meet your exact requirements.

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A comprehensive guide to the electronic connector manufacturing process: High-speed stamping, precision electroplating, injection molding, and automated assembly.

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Connectors Manufacturing: Process, Types, Materials and Uses

Learn about connectors manufacturing, including types, materials, and the essential stages involved in creating high-performance connectors.

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Explore CNC precision machining for micro electronic connectors and high-tech components, micron-level accuracy, surface quality.

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Expert Connector Mould solutions by Hongxin. We provide high-precision components, EDM processing, and custom mold bases for reliable electronic connectivity.

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The Enterprise Systems CONnection (ESCON) architecture was developed for high speed communication between mainframes and storage devices, peripheral control units, cluster controllers ...

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ESCON Patchcord | OPTOKON

The Enterprise Systems Connection Architecture ESCON is a channel interconnection environment developed by IBM to take advantage of fiber media and dynamic connectivity. ESCON connector is ...

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ESCON connector

The connector system is a Retractable Shroud Duplex (RSD) and can be supplied as terminated patchcords or pigtails. Hybrid patchcords, terminated one end with an ESCON connector and the ...

May 09, 2026

Escon Connector: Key Standards, Physical Properties, and ...

Thanks to their superior resistance to wear, thermal cycling, vibration, and environmental stressors, ESCON connectors boast a significantly longer service life compared to standard connectors.

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In-Depth Analysis of Connector Precision Machining Technology

In this article, we will provide an in-depth analysis of the precision machining technology used in the production of electronic connectors, exploring the entire process from design to ...

Contact Us

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