Planar pigtail head



Overview

Power Cable PC-050-SR / PC-100-SR / PC-200-SR Power Cable PC-050-SR / PC-100-SR / PC-200-SR pinout. Power cable voltage table. General Data Cable Name 5.0.

Key Takeaways

A planar pigtail head is a compact cable connector used to link devices in high-density electronic or fiber optic systems, providing flexible, reliable connections while minimizing space and signal loss.

Overview

A pigtail head refers to the terminated end of a short cable, often called a pigtail, which connects one device to another or extends a wire for easier integration. In planar systems, such as planar motors or high-density electronics, these pigtail heads are designed to fit into tight spaces while maintaining signal integrity and mechanical reliability.

Applications

Electronics and PCB Wiring: Pigtail heads are used to connect components on printed circuit boards, often in situations where space is limited. They can handle power, signal, or data transmission and are compatible with headers like 0. 1" spacing connectors.

Telecommunications and Fiber Optics: In fiber optic networks, planar pigtail heads terminate fiber cables with connectors such as SC, LC, or ST, allowing easy integration into switches, routers, or splice closures.

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F Modules: Compact pigtail heads are used in RF applications like Wireless LAN, Bluetooth, and UMTS, supporting frequencies up to 6 GHz while maintaining low profile and high component density.

Key Features

Compact Design: Low installation height and minimal space requirement make them ideal for dense electronic assemblies. Connector Compatibility: Can be adapted to various connector types, including SMA, TNC, N-type, SC, LC, and ST. Durability: Often equipped with protection caps to prevent dust and water ingress, ensuring long-term reliability.

Flexibility: Available in multiple lengths and wire gauges to suit different applications, from short PCB connections to longer fiber optic runs.

Installation Considerations

When using planar pigtail heads, consider: Cable Length: Shorter lengths reduce signal loss, while longer runs must account for attenuation and bending radius. Wire Gauge (AWG): Determines current capacity and ease of handling; matching the gauge to the application is critical. Environmental Protection: Use protective caps or enclosures in dusty or humid environments to maintain performance.

In summary, a planar pigtail head is a versatile connector solution for high-density electronics, RF modules, and fiber optic systems, offering compact, reliable, and flexible connections suitable for modern technical applications.

Article Content

Power Cable PC-050-SR / PC-100-SR / PC-200-SR

Power Cable PC-050-SR / PC-100-SR / PC-200-SR pinout. Power cable voltage table. General Data Cable Name 5.0 m / 10.0 m / 20.0 m Power Supply Cable Model Number PC-050-SR (5 m) PC-100

Pigtails for high-voltage applications

We can produce high-voltage assemblies as a pigtail variant attached on one side or as a finished, double-sided version - also with different connector systems.

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Planar Head

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PIGTAIL CABLE ASSEMBLIES

extremely compact size. They are ideal for a variety of applications in which sp. ce is a critical factor. The plug connetors operate in a frequency range up to 6 GHz and guarantee owing to their low

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Power Cable PC-050-SR / PC-100-SR / PC-200-SR

General Data Cable Name 5.0 m / 10.0 m / 20.0 m Power Supply Cable Model Number PC-050-SR (5 m) PC-100-SR (10 m) PC-200-SR (20 m) Short Description PMI power c

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Build your tank with custom fabricated tank heads for ASME pressure vessel applications and non-pressure processing solutions. Tank heads are built to

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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