

Through-hole pigtail



AI Overview

A through-hole pigtail is a wire assembly with a connector designed for insertion into PCB holes, providing secure mechanical and electrical connections.

Definition and Structure

A through-hole pigtail typically consists of a short length of wire (the "pigtail") terminated with a connector or terminal that is designed to be inserted into through-holes on a printed circuit board (PCB). The connector is soldered into the PCB, ensuring a strong mechanical bond and reliable electrical contact. This design contrasts with surface-mount connectors, which attach to the PCB surface without passing through holes .

Applications

Through-hole pigtails are widely used in applications requiring robust mechanical stability and high-reliability electrical connections, such as:

- Aerospace, defense, and military electronics
- Industrial and telecommunications equipment
- High-frequency RF systems where impedance control and low insertion loss are critical They are particularly useful in environments subject to vibration or mechanical stress because the through-hole mounting provides enhanced retention and durability compared to surface-mount alternatives .

Connector Types and Variants...

Article Content

Jan 02, 2026

Q& A: To Pigtail or Not to Pigtail?

The pigtail method transfers the connection point from the receptacle to a wire nut. So instead of the feed-through

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wiring pigtails

We provide a detailed guide on wiring pigtails, covering application, advantages, and installation tips. Enhance electronics

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Through Hole Connectors – Mouser

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What Is a Pigtail in Electrical Wiring? A Complete Guide for Safe ...

Key Takeaways A pigtail in electrical wiring is a short wire used to connect multiple wires to a single terminal or

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Through Hole

How do through hole connectors differ from surface mount connectors? The primary difference lies in

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Why Use A Pigtail When Wiring An Outlet?

Why a Pigtail is Better: Practical and Code Reasons Here I've mocked up an example of a receptacle not wired with a

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How to Properly Pigtail Outlets for Safety

Pigtail wiring is a superior method for connecting electrical receptacles, ensuring safety and longevity for the entire

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63-5146-90 OSI Optoelectronics, FCI-InGaAs-120L-FC InGaAs

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What is a Through Hole

Get to know what is through-hole, its importance, PCB layout consideration for THT, how to choose between SMT

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UMEM Educational Pearls

Insert the obturator all the way into the pigtail catheter with the stop cock, and lock it in place. This will ensure that your

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Thru-Hole PCB Connectors | Amphenol CDI

With precision-machined contacts and a thru-hole soldering design, these connectors ensure excellent impedance control, low

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Pigtail Insertion | Emergency Physicians Monthly

You should feel the dilator “ give way” once you are in. Check that the guide wire is moving

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Pigtail catheter chest drain insertion

Pigtail catheter chest drain insertion Pigtail catheters are an effective, reliable and possibly less traumatic way of treating

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What Is a Pigtail Connector: Types, Uses & Guide

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Through-Hole Board Connectors – Strong Retention | GCT

Used in power boards, test systems, and industrial control units, they ensure secure, long-lasting

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Mastering the Percutaneous Pigtail Thoracostomy Catheter

Catheter-based thoracostomy using “pigtail catheters” has become a ubiquitous procedure for the management of

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Through Hole Headers, Male Pins

These come in a variety of position and pitch options, with some having a breakaway option to manually

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En commandant Photo diode Non, OSI Optoelectronics, Traversant, boîtier TO-5, 65 °,
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