

Optical Module Pull Ring Assembly Line



Overview

The SFP+ cage assembly with pull link and seal is a fully equipped 1×1 SFP+ cage solution featuring a zinc EMI-shielded housing, compression rings, POM pull-link and PE rubber seal, delivering secure locking, vibration resistance and long-term reliability for 10G pluggable. The SFP+ cage assembly with pull link and seal is a fully equipped 1×1 SFP+ cage solution featuring a zinc EMI-shielded housing, compression rings, POM pull-link and PE rubber seal, delivering secure locking, vibration resistance and long-term reliability for 10G pluggable. Implementing a specialized 5G optical module pull ring stamping line directly dictates the yield rate and output volume of critical data center hardware components. SFP+. Integrated circuits and reference designs help you create a smaller and faster optical module design used in high-bandwidth data communication applications. Whether you are creating a 100-Gbps or 400-Gbps, small form-factor pluggable (SFP) module, SFP+ transceiver, XFP module, CFP, X2/XENPAK module. Since established in 2002, Shenzhen Aoli Casting Hardware Products Co., Ltd has been grown from a professional zinc alloy die-casting manufacturer to a professional enterprise engaged in the research, development, design and manufacture of Optical module components, automation system and processing. SmarAct optical assembly solutions deliver cutting-edge technology for the alignment, positioning, and integration of optical components with nanometer accuracy. Whether in photonics, laser technology, or fiber optics, our scalable approach to high-precision automation ensures that our solutions. The pull ring of the optical module adopts the function of using different colors Their main function is to identify the type, wavelength, and function, allowing technicians to quickly determine its type and use case without removing the optical module. So what are the specific differences in their.

Article Content

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Optical module design resources | TI

View the TI Optical module block diagram, product recommendations, reference designs and start designing.

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Automated mass production line for optical module using passive ...

Basically all modules have same optical coupling structure and keep the design rules for automatic assembly. Accordingly, we can use the same equipment for the same assembly process.

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OPTICAL ASSEMBLY SOLUTIONS

For research facilities, System integrators (OEM), and industrial users looking for customized solutions, SmarAct provides a high-performance toolbox of modules that can be individually selected and

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Meaning of Optical Module Pull Tap Colors

QSFP+ Optical Module Pull Ring Colors 40G QSFP+ 850nm SR4 150m optical module with a beige pull-tab design, designed for short-distance, high-speed data transmission.

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Meaning of Optical Module Pull Tap Colors

The color of the optical module pull tap is not just for aesthetics. Its core function is to quickly identify the module's applicable fiber type, wavelength, and function.

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A pull ring unlocking structure of an optical module

The utility model provides a pull-ring unlocking structure of an optical module, which integrates an upper cover and a sliding block into an integral structure, is quick and convenient to...

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The meaning of the optical module with different color pull ring

Their main function is to identify the type, wavelength, and function, allowing technicians to quickly determine its type and use case without removing the optical module.

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Optical Module Production Technical Requirements

This article focuses on the key points of optical module processing and manufacturing process control, and how to manage and control such

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Optical module using pull tab for unlocking

The optical module is applicable to a photoelectric module for limiting the maximum height after rotation of the pull tab (1), and is applicable to a communication device with high-density ports; a color scale

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The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right module for your fiber network.

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How to Distinguish the Wavelength by the Color of the

Commonly used optical modules have four wavelengths, 850nm, 1310nm, 1490nm, 1550nm. And different wavelength has different color.

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Explanation Of SFP Optical Module Plugging And Unplugging

The optical module structure and the corresponding host optical port comply with MSA standards. Unified standards are defined for housing dimensions and unlocking mechanisms,

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Optical Transceivers Optical Module Assembly Line

Robo Assembly Line for Optical Transceivers and Optical Modules Key2Optics is the manufacturer for Optical Transceivers and Optical Modules which widely

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Optical module pull ring unlocking mechanism and method

The invention discloses an unlocking mechanism and method for a pull ring of an optical module.

Jan 11, 2026

Pull Ring for Optical Module

Since established in 2002, Shenzhen Aoli Casting Hardware Products Co., Ltd has been grown from a professional zinc alloy die-casting manufacturer to a

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SFP optical module

The composition of the SFP optical module is: Laser (including transmitter TOSA and receiver ROSA), circuit board IC and external accessories The external accessories are composed

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Introduction to two common unlocking methods for

Figure 7 is a structural assembly diagram of 1 push-pull unlock enclosure with SFP cage. The pull ring is pulled up and part A moves to jack up

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Fiber Optic Cable Installation and Handling Instructions

Fiber Optic Cable Pulling Techniques Installation methods for both wire cables and optical fiber cables are similar. Just remember these rules: Never pull on the connector. The connector/cable interface is

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How to Distinguish the Wavelength by the Color of the Pull Ring of the ...

In order to distinguish optical modules, different manufacturers can distinguish them by their wavelength, transmission distance, packaging, etc. Do you know what other methods to distinguish them? This

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Pull ring type unlocking structure on SFP module

The utility model relates to an SFP module in the field of optical fiber communication, in particular to an unlocking structure on the SFP module. It includes a base of an SFP module, a pull

Jun 06, 2026

Optical Transceiver Module Installation And Removal

Before you pull out the SFP module, you must press the sliding tab to release the SFP module. If you pull on the SFP module without releasing the

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Pull ring, unlocking mechanism and optical communication module

An unlocking mechanism and unlocking technology, applied in the field of optical communication, can solve the problems of inconvenient replacement and high cost, and achieve the

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How To Identify The Wavelength Of SFP CWDM Optical

This blog ETU-LINK will show you how to identify the wavelength of CWDM optical module through the color of the pull ring. We all know that CWDM

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SFP+ Cage Assembly With Pull Link & Seal

SFP+ cage assembly with pull link and seal is a comprehensive 1×1 SFP+ cage solution engineered for high-speed pluggable optical modules in data communication and telecom networks.

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Distinguish the wavelength by the color of the pull ring of

10G single fiber optical module wavelength and pull ring color are 1270nm (black), 1330nm (blue), 1490nm (purple), 1550nm (yellow). The above is

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Pull Ring for Optical Module

Pull Ring for Optical Module, Find Details and Price about Steel Sheet Metal Cutting Sheet Metal from Pull Ring for Optical Module - Shenzhen Aoli Casting Hardware

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Transmitter-Receiver Optical Sub Assembly using Ultra

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5G Optical Module Pull Ring Stamping Line: High-Speed Setup

Discover the mechanical engineering behind a high-speed 5G optical module pull ring stamping line. Learn how horizontal decoilers and roll feeders maximize SPM.

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Introduction To Two Common Unlocking Mechanisms

SFP optical modules generally support hot-plugging, which requires an unlocking operation when inserting or removing the module from the SFP cage. The two

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