

# ST Connectors and Accessories



- ▶ **Proven Reliability:** Amphenol has over 70 years of stable, precise performance with Industry wide connectors.
- ▶ **Engineered for Rugged Indoor Use:** Designed for medical applications, ensuring long-term reliability.
- ▶ **Reliable Lead Times:** Vertical integration ensures timely delivery without delays.
- ▶ **High Quality:** Manufactured to meet Amphenol's rigorous industry standards.
- ▶ **Global Manufacturing:** Worldwide facilities offer localized support and reduce logistics.
- ▶ **Vietnam Facility:** New assembly plant with advanced equipment for high-volume production.
- ▶ **Tailored Engineering Solutions:** Dedicated engineering support for custom application needs



**ST Connector is a Fiber Optic Polymer Molded Connector** / **STII Connector is a Fiber Optic Die Cast Connector**

## Typical uses for assemblies with ST connectors:

- Temperature Sensor Connector, Pressure Sensor Connector, Semiconductor Test Connector
- Applications: Datacom, Medical, Lasers, Semiconductor process equipment, Power Market for Transformers, EV Test, Instrumentation and High voltage temperature measurement, Extension Cables (Patch Cords)

## Amphenol 953

- The Amphenol 953 series Fiber Optic ST and STII connector utilizes a bayonet-style mating connector to provide a secure, Robust coupling mechanism.
- This features a push-to-turn locking mechanism for positive engagement. This prevents overtightening and fiber face damage. It can be used with large core fibers.



## Features and Benefits:

**ST Connector:** Precision-molded flame-retardant polymer for durability and lightweight.

**STII Connector:** Zinc die-cast with nickel plating for superior strength and corrosion resistance.

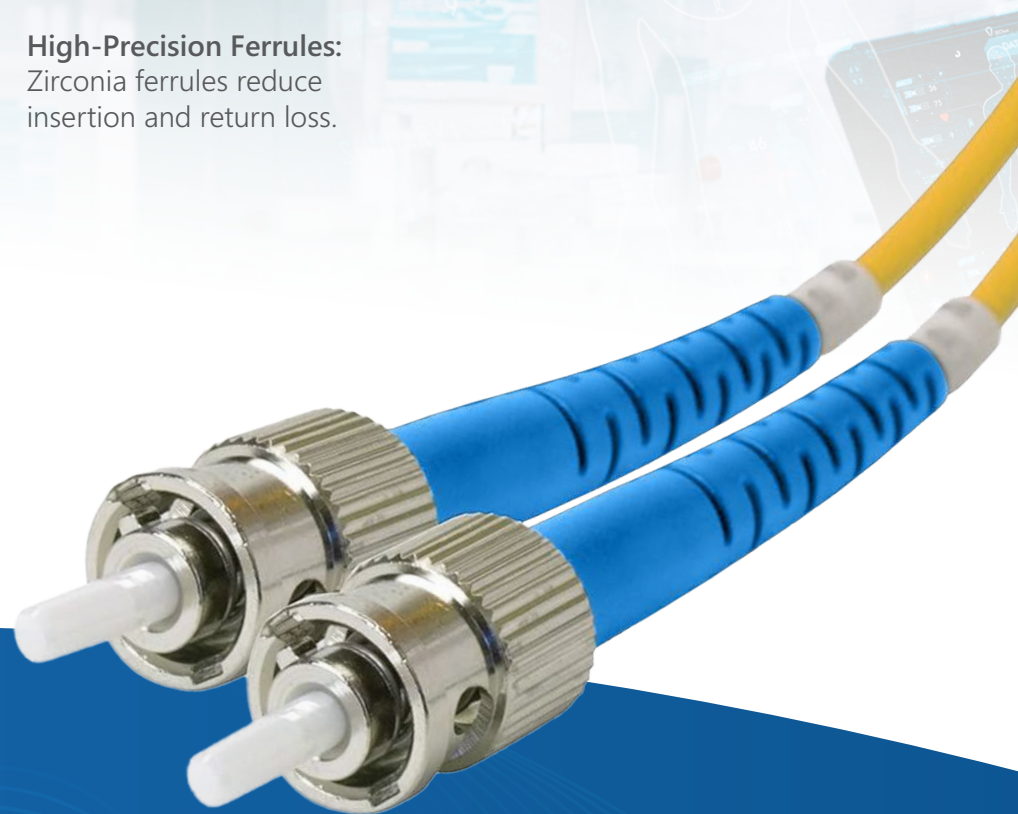
**High-Precision Ferrules:** Zirconia ferrules reduce insertion and return loss.

**Available in SM & MM:** Offered in both Single Mode (SM) and Multimode (MM) versions.

**Boot Options:** 900  $\mu$ m, 2.0 mm, 3.0 mm, 45/90-degree, and flex boots available.

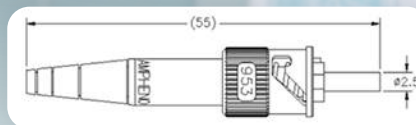
### Connector Option Specifications

Connector	ST or STII or Model #
Ferrule Material	Ceramic or Stainless Steel
Ferrule Hole Size	(125 - 2200um)
Body Material	Die Cast Metal or Molded Polymer
Boot Model Number	Specified from Model# page 5
Boot Shape	Straight, 45 or 90 angle
Boot Color	Specified from Model# page 5
Boot Length	Specified from Model# page 5
Dust Cap	Specified from Model# page 4





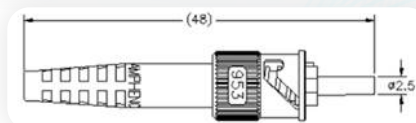
## ST II Connectors with Ceramic Ferrules



Part Number	Description	Ferrule Hole Size	Ferrule Tolerance	Mode	Ferrule Material	Body Material	Nut Material	Insertion Loss	Return Loss	Boot Diameter	Boot Color
953-101-5306-P	ST II Connector	126µm	'+1,-0 µm	SM	Zirconia	Zinc Die Cast and Nickel Plated	Zinc Die Cast and Nickel Plated	.15dB	55 dB	3mm or 900 µm	Black
953-101-5310-P	ST II Connector	128µm	'+4,-0 µm	MM	Zirconia	Zinc Die Cast and Nickel Plated	Zinc Die Cast and Nickel Plated	.35dB	55 dB	3mm or 900 µm	Black
953-101-5316-P	ST II Connector	126µm	'+1,-0 µm	SM	Zirconia	Zinc Die Cast and Nickel Plated	Zinc Die Cast and Nickel Plated	.15dB	55 dB	2mm	Black
953-101-5309-P	ST II Connector	128µm	'+4,-0 µm	MM	Zirconia	Zinc Die Cast and Nickel Plated	Zinc Die Cast and Nickel Plated	.35dB	55 dB	2mm	Black



## STII Connectors with Stainless Ferrules

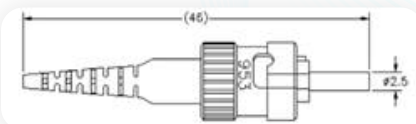


Note: \* means Insertion loss and return loss figures are based upon Fiber type and specification

Part Number	Description	Ferrule Hole Size	Ferrule Tolerance	Mode	Ferrule Material	Body Material	Nut Material	Insertion Loss	Return Loss	Boot Diameter	Boot Color
953-106-50128-P	ST II Connector	128µm	'+5,-0 µm	MM	Stainless Steel	Zinc Die Cast and Nickel Plated	Zinc Die Cast and Nickel Plated	.35dB	55 dB	3mm or 900 µm	Black
953-106-50144-P	ST II Connector	144µm	'+5,-0 µm	MM	Stainless Steel	Zinc Die Cast and Nickel Plated	Zinc Die Cast and Nickel Plated	.35dB	55 dB	3mm or 900 µm	Black
953-106-50231-P	ST II Connector	231µm	'+10,-0 µm	MM	Stainless Steel	Zinc Die Cast and Nickel Plated	Zinc Die Cast and Nickel Plated	*	*	3mm or 900 µm	Black
953-106-50440-P	ST II Connector	440µm	'+15,-0 µm	MM	Stainless Steel	Zinc Die Cast and Nickel Plated	Zinc Die Cast and Nickel Plated	*	*	3mm or 900 µm	Black
953-106-51520-P	ST II Connector	1520µm	'+25,-0 µm	MM	Stainless Steel	Zinc Die Cast and Nickel Plated	Zinc Die Cast and Nickel Plated	*	*	3mm or 900 µm	Black



## ST Connectors with Ceramic Ferrules

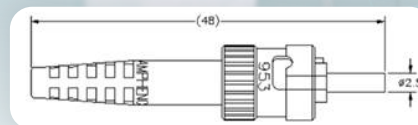


Part Number	Description	Ferrule Hole Size	Ferrule Tolerance	Mode	Ferrule Material	Body Material	Nut Material	Insertion Loss	Return Loss	Boot Diameter	Boot Color
953-101-5006-P	ST Connector (Popular Unit)	126µm	'+1,-0 µm	SM	Zirconia	Plastic	Plastic	.15dB	55 dB	3mm or 900 µm	Black
953-101-5010-P	ST Connector	128µm	'+4,-0 µm	MM	Zirconia	Plastic	Plastic	.35dB	55 dB	3mm or 900 µm	Black





## ST Connectors with Stainless Steel Ferrules



Part Number	Description	Ferrule Hole Size	Ferrule Tolerance	Mode	Ferrule Material	Body Material	Nut Material	Insertion Loss	Return Loss	Boot Diameter	Boot Color
953-107-50128-P	ST Connector	128µm	'+5,-0 µm	MM	Stainless Steel	Plastic	Plastic	.35dB	55 dB	3mm or 900 µm	Black
953-107-50144-P	ST Connector	144µm	'+5,-0 µm	MM	Stainless Steel	Plastic	Plastic	.35dB	55 dB	3mm or 900 µm	Black
953-107-50231-P	ST Connector	231µm	'+10,-0 µm	MM	Stainless Steel	Plastic	Plastic	*	*	3mm or 900 µm	Black
953-107-50440-P	ST Connector	440µm	'+15,-0 µm	MM	Stainless Steel	Plastic	Plastic	*	*	3mm or 900 µm	Black
953-107-51520-P	ST Connector	1520µm	'+25,-0 µm	MM	Stainless Steel	Plastic	Plastic	*	*	3mm or 900 µm	Black



## ST Adapter Dust Cap

Dustcap ST Accessories Part Number	Description
953-1061	ST Adapter Dust Cap with Chain, 0.130" diameter ring
953-1079	ST Adapter Dust Cap with Chain, 0.380" diameter ring

Part Number	Description
953-120-5000	Adapter, (Bulkhead), ST, Black Plastic Body & Nut, Ceramic Sleeve
953-120-5003	Adapter, ST Die Cast, w/Ceramic Sleeve (sub-assy from FOCI)

Note: the chain is 2" long



High Performance



Standard



Short



45°



90°



Flex Boot

## ST Connector Boots

Part Number	Description	Color	Crimp	Length	Front ID	Rear ID	Rear OD
954-1092	Standard Straight Boot, 2mm Strain Relief, (Popular Unit)	Black	Crimp	34.3 mm (1.35")	4.58mm (.180")	2.2mm (.086")	3.12mm (.122")
954-1092-1	Standard Straight Boot, Boot, 2mm Strain Relief	Blue	Crimp	34.3 mm (1.35")	4.58mm (.180")	2.2mm (.086")	3.12mm (.122")
954-1092-2	Standard Straight Boot Boot, 2mm Strain Relief	Green	Crimp	34.3 mm (1.35")	4.58mm (.180")	2.2mm (.086")	3.12mm (.122")
954-1092-3	Standard Straight Boot Boot, 2mm Strain Relief	Red	Crimp	34.3 mm (1.35")	4.58mm (.180")	2.2mm (.086")	3.12mm (.122")
954-1092-4	Standard Straight Boot Boot, 2mm Strain Relief	White	Crimp	34.3 mm (1.35")	4.58mm (.180")	2.2mm (.086")	3.12mm (.122")
954-1092-5	Standard Straight Boot Boot, 2mm Strain Relief	Yellow	Crimp	34.3 mm (1.35")	4.58mm (.180")	2.2mm (.086")	3.12mm (.122")
954-1092-7	Standard Straight Boot Boot, 2mm Strain Relief	Beige	Crimp	34.3 mm (1.35")	4.58mm (.180")	2.2mm (.086")	3.12mm (.122")
954-1092-8	Standard Straight Boot Boot, 2mm Strain Relief	Slate	Crimp	34.3 mm (1.35")	4.58mm (.180")	2.2mm (.086")	3.12mm (.122")
954-1058	Short Straight Boot 3mm	Black	Crimp	27.94 mm (1.10")	4.7 mm (.188")	3.0 mm (.120")	4.0 mm (.160")
954-1058-1-P	Short Straight Boot 3mm, Bulk	Blue	Crimp	27.94 mm (1.10")	4.7 mm (.188")	3.0 mm (.120")	4.0 mm (.160")
954-1058-2-P	Short Straight Boot 3mm, Bulk	Green	Crimp	27.94 mm (1.10")	4.7 mm (.188")	3.0 mm (.120")	4.0 mm (.160")
954-1058-3-P	Short Straight Boot 3mm, Bulk	Red	Crimp	27.94 mm (1.10")	4.7 mm (.188")	3.0 mm (.120")	4.0 mm (.160")
954-1058-4-P	Short Straight Boot 3mm, Bulk (Popular Unit)	White	Crimp	27.94 mm (1.10")	4.7 mm (.188")	3.0 mm (.120")	4.0 mm (.160")
954-1058-5-P	Short Straight Boot 3mm, Bulk	Purple	Crimp	27.94 mm (1.10")	4.7 mm (.188")	3.0 mm (.120")	4.0 mm (.160")
954-1058-6-P	Short Straight Boot 3mm, Bulk	Dark Blue	Crimp	27.94 mm (1.10")	4.7 mm (.188")	3.0 mm (.120")	4.0 mm (.160")
954-1058-7-P	Short Straight Boot 3mm, Bulk	Beige	Crimp	27.94 mm (1.10")	4.7 mm (.188")	3.0 mm (.120")	4.0 mm (.160")
927-2078-R	90 degree 3 mm Boot	Black	Crimp	36.52 mm ( 1.44")	5.08 mm ( .02")	3.18 mm ( .149")	4.67 mm (.184")
927-2078-R-P	90 degree 3 mm Boot Bulk Package	Black	Crimp	36.52 mm ( 1.44")	5.08 mm ( .02")	3.18 mm ( .149")	4.67 mm (.184")
906-5084	ST Right Angle Boot with both halves and holder	White	No	42.9 mm (1.69")	6.0 mm ( .24 ")	3.0 mm (.120")	4.0 mm ( .16")

Note: Minimum Order Quantity may apply for special configurations



### 70+ Years of Expertise in Optics



### Surgical Fiber & Sterile Consumables



### Certified Class 7 Clean Room in Vietnam

- ✓ Global manufacturing facilities in China, Vietnam, and Mexico; quick-turnaround sites in the USA with advanced testing and limited production.
- ✓ Expertise in medical and specialty fibers with cross-division collaboration.
- ✓ Assemblies and connectors designed for secure RFID integration, protecting against gray market goods and unauthorized use.
- ✓ Highly trained staff focused on delivering top-quality products.

### Meets QA Standards:

REACH 240 Compliant  
RoHS Certificate of Compliance



**Contact us**

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