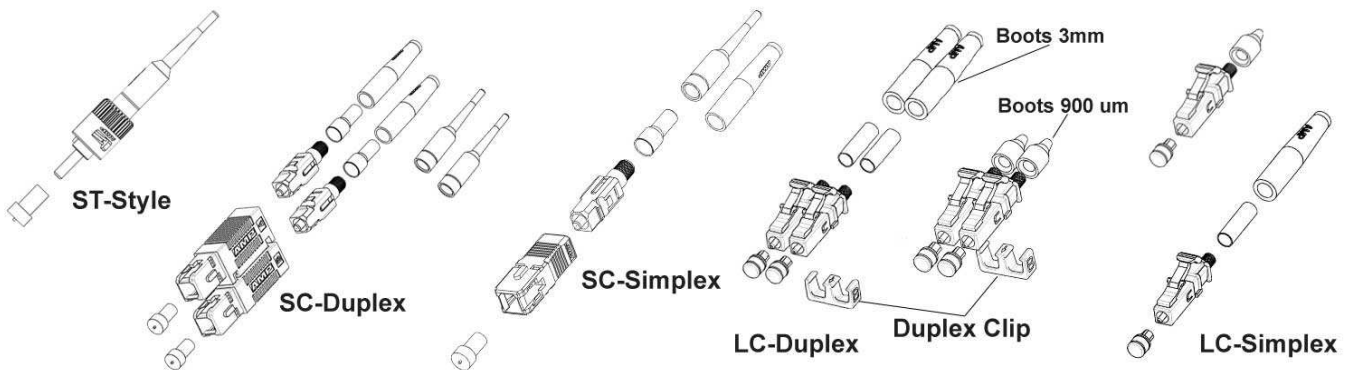


Fiber Optic Connector Kit

5503571-3, 5502580-2, 5503948-5, 5504646-7, 5504657-5, 5504655-1, 6693480-1, 6693482-1, 6693479-1, 6693481-1, 6588706-1, 6588710-1, 6588708-1, 6588712-1



Description

AMP NETCONNECT Optical Fiber Connectors are epoxy, polish connectors that making optical fiber terminations faster and easier with less typical termination times. AMP NETCONNECT optical fiber connectors are eligible for the AMP NETCONNECT 25-year Component and Systems Performance Warranties. Optical fiber ST, SC and LC connectors are available in single-mode and multimode (62.5µm, 50µm and XG [850nm LO 50µm]) and in simplex and duplex versions. AMP NETCONNECT Optical Fiber Connector technology exceeds the performance requirements of ANSI/TIA/EIA-568-C and ISO 11801:2002 standard, contains 850nm laser optimized 50-micron multimode fiber for 10Gigabit applications.

Specification (text in brackets [] requires a choice)

The optical fibers shall be terminated with [ST-Style, SC Simplex/Duplex, or LC Simplex/Duplex], [Multimode, 50/125µm , 62.5/125µm or multimode 50/125µm, XG (850nm LO 50/125µm) /Singlemode] connectors. Capable of terminating either 250µm coated or 900µm buffered fibers, and 3.0mm jacketed fiber. The Optical Fiber connector shall have a ceramic ferrule. The Optical Fiber Connector shall meet the performance requirements listed in the following table [include Performance Characteristics table from page 2].

Part Numbers

Connector Type	Applications	Included Boot Type(s)	Part Numbers	
ST -Style	Simplex	Multimode 62.5/125µm , 50/125µm, 50/125µm (XG)	5503571-3	
		Singlemode	5502580-2	
SC	Simplex	Multimode 62.5/125µm , 50/125µm, 50/125µm (XG)	5503948-5	
		Singlemode	5504646-7	
		250µm	5504657-5	
	Duplex	Multimode 62.5/125µm , 50/125µm, 50/125µm (XG)	900µm	5504655-1
		Singlemode	3mm	6348522-1
		Duplex Clip	Multimode/Singlemode (use 2 piece for 1 duplex)	Black Color
LC	Simplex	Multimode 62.5/125µm , 50/125µm, 50/125µm (XG)	6693482-1	
		Singlemode	6693479-1	
	Duplex	Multimode 62.5/125µm , 50/125µm, 50/125µm (XG)	3mm	6693481-1
		Singlemode		1918267-1
	Simplex	Multimode 62.5/125µm , 50/125µm, 50/125µm (XG)	1.6, 2mm	1918266-1
		Singlemode		6588706-1
	Duplex	Simplex	Multimode 62.5/125µm , 50/125µm, 50/125µm (XG)	6588710-1
			Singlemode	6588712-1
Duplex		Multimode/Singlemode	250µm/900µm	1918384-1
		Multimode 62.5/125µm , 50/125µm, 50/125µm (XG)		6588708-1
Duplex Clip	Duplex	Singlemode	6588712-1	
		Multimode	Beige Color	1374728-2
		Singlemode	Blue Color	1374728-1
		Multimode/Singlemode	Black Color	1754371-2

Fiber Optic Connector Kit

5503571-3, 5502580-2, 5503948-5, 5504646-7, 5504657-5, 5504655-1, 6693480-1
6693482-1, 6693479-1, 6693481-1, 6588706-1, 6588710-1, 6588708-1, 6588712-1



Technical Details

Materials	ST-Style	SC	LC
Ferrule –	Pre-radiused ceramic	Pre-radiused ceramic	Pre-radiused ceramic
Housing (MM/SM) –	Polymer / Zinc	Thermoplastic	Thermoplastic
Plug Body (MM/SM) –	Polymer / Nickel Plated Brass	PES-GF20	PEI UL 94-V0
Performance Characteristics			
Insertion Loss (Typical / Maximum) –	0.3 dB / 0.75 dB	0.2 dB / 0.75 dB	0.2 dB / 0.75 dB
Return Loss (MM/SM) –	20 dB / 40 dB	20 dB / 55 dB	20 dB / 55 dB
Durability (MM/SM) –	500/200	500/200	500/500
Low Temperature (0 °C for 4 days) –	≤ 0.3 dB change	≤ 0.3 dB change	≤ 0.3 dB change
Temperature Life (55 °C for 14 days) –	≤ 0.3 dB change	≤ 0.3 dB change	≤ 0.3 dB change
Humidity (90 to 95% @ 40 °C for 4 days) –	≤ 0.3 dB change	≤ 0.3 dB change	≤ 0.3 dB change
Storage Temperature –	-40 to 85 °C	-40 to 85 °C	-40 to 75 °C
Operating Temperature –	-40 to 85 °C	-40 to 85 °C	-40 to 75 °C
Cable Retention –	177 N	111 N	50 N
Approval			
Visual and Mechanical Inspection –	TIA/EIA-604-2 (FOCIS 2)	TIA/EIA-604-3 (FOCIS 3)	TIA/EIA-604-10 (FOCIS 10)
Standard Test Procedures –	EIA-455	EIA-455	EIA-455
Standard –	TIA/EIA 568C.3	TIA/EIA 568C.3	TIA/EIA 568C.3/ GR-326
RoHS Compliant –	RoHS	RoHS	RoHS

Specifications subject to change without notice.

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