



DI-1000/DI-1000MPO/ DI-3000 Series Adapter Tips

Digital Fiber Inspection Microscope

Various adapter tips are available to enable the VeEX Digital FiberScope to inspect most commonly available connector or panel connector end faces. Optical connectors on Pigtails, patchcords and cables are plugged into female bulkhead adapters, both of which needs to be inspected for contamination to prevent damage on measurement equipment test ports, transmission equipment connector panels and optical distribution frames to ensure minimum loss and best performance. A variety of tips with varied length or angle can be used to reach recessed connections in high density configurations. Different tips are required to inspect a variety of connector styles based on if the ferrule has PC or APC polished end faces, if ferrule material is ceramic or metal and even if for single or multi-fiber cable.

Features

- Allows VeEX FiberScopes to inspect virtually any fiber optic connector end-face
- Adapters for PC/UPC and APC polished connectors
- Supports bulkhead patch panel connectors
- Supports male test jumper cable ferrule end-faces
- Easily interchanged; no tools required

Applications

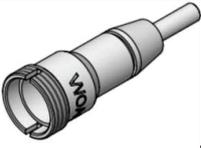
- Inspect test jumper cable connector end-faces
- Inspect bulkhead-mounted optical connector end-faces
- MTP/MPO adapter tip enables multi-fiber connector end-face inspection

The VeEX FiberScopes can be operated with several VeEX host platform software options which support Auto Freeze/Focus Detection and IEC Pass/Fail Analysis. Adapter tips can be individually ordered for many common connector types, a few of which are listed:

- | | | | |
|------|------------------------|-------------|-----------|
| • FC | • MU | • Biconic | • ELIO |
| • SC | • MTP/MPO ribbon fiber | • OptiTap® | • SMA |
| • LC | • E2000 | • OptiTip® | • Lemo |
| • ST | • D4 | • Mil 28876 | • Termini |

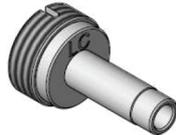
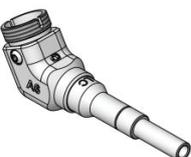
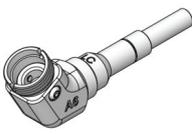
An extensive range of tips are available. Please contact VeEX Inc. if you do not see the tip you need, or if you require further assistance to identify the best tips for your application.

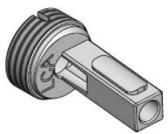
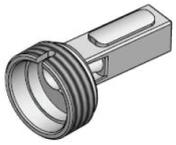
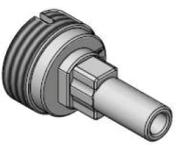
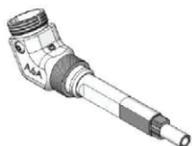
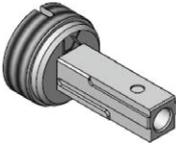
Optical Adapters (Single Fiber)

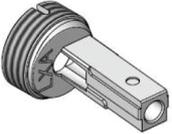
Connector Type	Part #	Adapter	Image	Application	Description
SC-PC					
No image available	F99-00-195G			60° universal angled coupling barrel Marking: A6A	When straight access into coupler not possible
No image available	F99-00-137G			Coupling barrel for Westover standard tips Marking: WOA	Support non-lens Viavi tips
No image available	F99-00-186G			Coupling barrel from MPO to single fiber	DI-1000MPO coupling barrel for single fiber tip
No image available	F99-00-xxxG			Coupling barrel for Westover-3mm tip guide Marking: WOA	Works with Viavi 3mm guide for ODC ARINC, etc.
No image available	F99-00-xxx			60° angled barrel for 3mm Westover guide Marking: WOA3-A6	Works with Viavi 3 mm guide for ODC ARINC, etc.
	F99-00-078G			Patchcord (male) Marking: U25	Universal 2.5 mm probe tip for PC type connectors
	F99-00-098G			Bulkhead (female) Marking: FS	Probe tip for SC and FC bulkhead PC type connectors
	F99-00-102G			Bulkhead (female) Marking: SC, A6	60° angled probe tip for FC and SC bulkhead PC type connectors
	Consult factory			Bulkhead (female) Marking: SC	Probe tip for SC bulkhead PC type connector
No image available	F99-00-196G			Bulkhead (female) Marking: A6 SC	60° probe tip for SC bulkhead PC type connectors

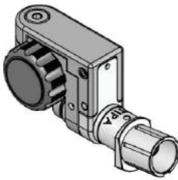
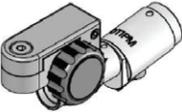
Common Fiber Optic Connector (Single Fiber)

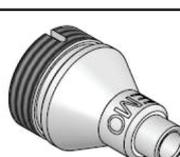
Connector Type	Part #	Adapter	Image	Application	Description
SC-APC					
	F99-00-096G			Patchcord (male) Marking: U25A	Universal 2.5 mm probe tip for APC type connectors
	F99-00-105G			Bulkhead (female) Marking: SC, A6A	60° angled probe tip for SC bulkhead APC type connectors
	F99-00-103G			Bulkhead (female) Marking: FSA	Probe tip for FC bulkhead APC type connectors
	F99-00-159G			Bulkhead (female) Marking: SCA	Probe tip for SC bulkhead APC type connectors
	F99-00-104G			Bulkhead (female) Marking: SCAX	Short extended probe tip for SC bulkhead APC type connectors
	F99-00-160G			Bulkhead (female) Marking: SCA	Medium extended probe tip for SC bulkhead APC type connectors
FC-PC					
	F99-00-078G			Patchcord (male) Marking: U25	Universal 2.5 mm probe tip for PC type connectors
	F99-00-xxxG	No image available	No image available	Patchcord (male) Marking: FCAM	Probe tip for FC/APC male connectors
	F99-00-098G			Bulkhead (female) Marking: FS	Probe tip for SC and FC bulkhead PC type connectors
	F99-00-102G			Bulkhead (female) Marking: FS, A6	60° angled probe tip for FC and SC bulkhead PC type connectors

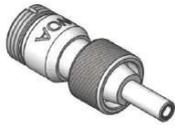
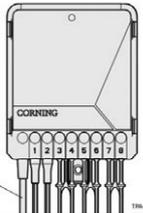
Connector Type	Part #	Adapter	Image	Application	Description
FC-APC					
	F99-00-096G			Patchcord (male) Marking: U25A	Universal 2.5 mm probe tip for APC type connectors
	F99-00-103G			Bulkhead (female) Marking: FSA	Probe tip for SC and FC bulk-head APC type connectors
No image available	F99-00-xxxG	No image available	No image available	Bulkhead (female) Marking: FCAF	Probe tip for FC bulk-head APC type connectors
LC-PC					
	F99-00-079G			Patchcord (male) Marking: U125	Universal 1.25 mm probe tip for PC type connectors
	F99-00-192G			Patchcord (male) Marking: LCM	Probe tip for LC PC male simplex and duplex connectors
	F99-00-116G			Bulkhead (female) Marking: LC	Probe tip for LC bulkhead PC type connectors
	F99-00-197G			Bulkhead (female) Marking: A6 LC	Probe tip for angled LC bulkhead PC type connectors
	F99-00-097G			Patchcord (male) Marking: U125A	Universal 1.25 mm probe tip for APC type connectors
	F99-00-xxxG	No image available	No image available	Patchcord (male) Marking: LCAM	Probe tip for LC/APC male simplex/duplex connectors

Connector Type	Part #	Adapter	Image	Application	Description
LC-APC					
	F99-00-120G			Bulkhead (female) Marking: LCA	Probe tip for LC bulkhead APC type connectors
	F99-00-191G			Bulkhead (female) Marking: LCAP	Short extended probe tip for LC bulkhead APC type connectors
	F99-00-173G		No image available	CS, QSFP or QSFP-DD (female) Marking: CS-E	Low Profile QSFP or QSFP-DD transceiver
MU-PC					
	F99-00-079G			Patchcord (male) Marking: U125	Universal 1.25 mm probe tip for PC type connectors
	F99-00-121G			Bulkhead (female) Marking: MU	Probe tip for MU (MT-RJ) bulkhead PC type connectors
	F99-00-125G			Bulkhead (female) Marking: A6A	60° angled probe tip for MU bulkhead PC type connectors
LX.5-PC					
No image available	F99-00-079G			Patchcord (male) Marking: U125	Universal 1.25 mm probe tip for PC type connectors
No image available	F99-00-130G			Bulkhead (female) Marking: LX	Probe tip for LX.5 bulkhead PC type connectors

Connector Type	Part #	Adapter	Image	Application	Description
LX.5-APC					
	F99-00-097G			Patchcord (male) Marking: U125A	Universal 1.25 mm probe tip for APC type connectors
No image available	F99-00-131G			Bulkhead (female) Marking: LXA	Probe tip for LX.5 bulkhead APC type connectors
E2000-APC					
	F99-00-096G			Patchcord (male) Marking: U25	Universal 2.5 mm probe tip for PC type male connectors
	F99-00-115G			Bulkhead (female) Marking: E2KA	Probe tip for E2000 bulkhead APC type connectors
ST-PC					
	F99-00-078G			Patchcord (male) Marking: U25	Universal 2.5 mm probe tip for PC type male connectors
	F99-00-107G			Bulkhead (female) Marking: ST	ST Probe Tip for PC type connectors
	F99-00-111G			Bulkhead (female) Marking: ST, A6	60° angled probe tip for ST bulkhead PC type connectors
OptiTap® - APC					
	F99-00-106G			Cable (female) Marking: OTAPA	Probe tip for OptiTap® APC connectors

Connector Type	Part #	Adapter	Image	Application	Description
OptiTip® - APC					
	Consult factory			Male & female Marking: OTIPA	Probe tip for OptiTip® APC type connectors
Biconic - PC					
	F99-00-082G			Marking: BIC	Biconic Probe tip for PC connectors
SMA 905 - PC					
	F99-00-095G			Patchcord (male) Marking: SMA	Probe Tip SMA 905 PC type connectors
No image available	Consult factory			Bulkhead (female) Marking: SMAF	Probe Tip SMA bulkhead PC type connectors
D4 - PC					
	Consult factory	No image available	No image available	Patchcord (male) Marking:	Probe Tip D4 PC type connectors
	Consult factory			Bulkhead (female) Marking: D4F	Probe Tip D4 bulkhead PC type connectors
Termini-PC 2.0 mm					
	F99-00-081G			Cable (male) Marking: U20M	Universal 2.0 mm probe tip for LEMO and termini PC type male
Termini-PC 2.0 mm					
	F99-00-127G			Bulkhead (female) Marking: T20F	Probe tip for 2.0 mm PC termini

Connector Type	Part #	Adapter	Image	Application	Description
Termini-PC 2.5 mm					
	Consult factory			Cable (male) Marking: T25M	2.5 mm probe tip for PC termini
Termini-PC 1.6 mm					
	Consult factory			Cable (male) Marking: T16M	1.6 mm probe tip for Termini PC type male
No image available	F99-00-128G			Bulkhead (female) Marking: T16F	Probe tip for 1.6 mm PC Termini
Termini – APC 2.0 mm (MIL28876)					
	Consult factory			Cable (male) Marking: T20A	2.0 mm probe tip for Termini APC type male
	Consult factory			Cable (female) Marking: T20AF	Probe tip for 2.0 mm APC Termini female
LEMO F2 - PC					
	F99-00-081G			Cable (male) Marking: U20M	Probe tip for 2.0 mm PC LEMO F2 male connectors and Termini
	F99-00-126G			Bulkhead (female) Marking: LEMO	Probe tip for LEMO type PC connectors
LEMO F8 - APC					
No image available	Consult factory			Cable (male) Marking: F8M	Probe tip for 1.25 mm APC LEMO F8 male connectors and Termini

Connector Type	Part #	Adapter	Image	Application	Description
ELIO-PC					
	F99-00-080G			Patchcord (male) Marking: E12M	Probe tip for 1.25 mm ELIO male connectors and termini
No image available	F99-00-129G			Bulkhead (female) Marking: E12F	Probe tip for 1.25 mm ELIO connectors and termini
Westover Tip Adapter					
No image available	F99-00-137G			Conversion Adapter for Westover tips	Probe adapter to use non-lensed Viavi tips
QSFP-DD and OSFP Transceiver Adapter					
	F99-00-173G			Bulkhead (female) Marking: CS-E	Low profile probe tip for QSFP-DD and OSFP transceivers
DI-1000MPO Adapter for Single Fiber Tips					
No image available	F99-00-186G		No image available	DI-1000MPO conversion adapter for Single Fiber tip	Probe adapter to use non-lensed Viavi tips
Corning Evolve™ and Pushlok™					
	F99-00-096G			Patchcord (male) Marking: U25A	Universal 2.5 mm probe tip for APC type connectors
	F99-00-199G			Bulkhead (female) Marking: EVOLVA	Probe tip for Corning Evolve™ Terminals

MTP/MPO Ribbon Connector Adapter Selection Guide

The DI-1000 MPO FiberScope has the X,Y scanning controls built into the scope and requires the front-end tips (F99-00-133G , F99-00-135G) only.

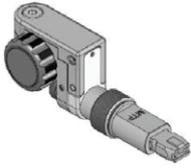
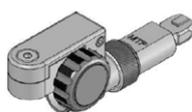
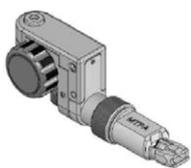
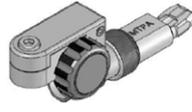
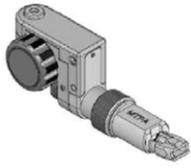
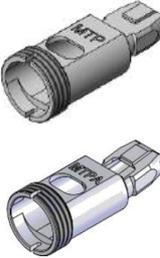
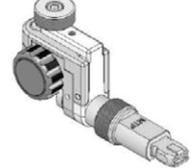
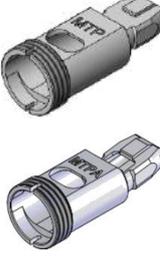
The DI-1000 also supports MPO/MTP inspection, but requires the “Extended Tip (Kit) for MTP...” Refer to models: F99-00-132G, F99-00-134G, F99-00-136G, F99-00-138G in the tables below.

PC/UPC Polished Ends of MTP/MPO 12/24 Fiber Ribbon Connectors

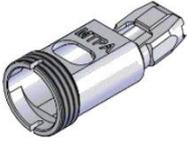
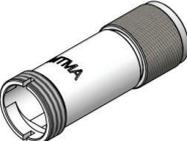
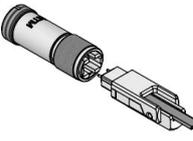
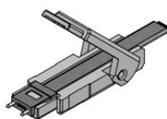
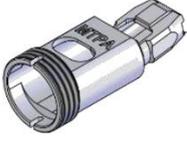
Model	Description
F99-00-132G	Extended Tip for MTP/PC ferrule ribbon connector inspection
F99-00-133G	Front end probe tip for MTP/MPO PC 12/48 bulkhead adapter testing

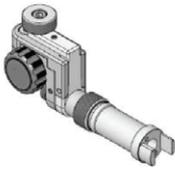
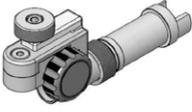
APC Polished Ends of MTP/MPO 12/24 Ribbon Replacement Connectors

Model	Description
F99-00-134G	Extended tip for MTP/APC ferrule ribbon connector inspection
F99-00-135G	Front end probe tip for MTP/MPO APC 12/48 bulkhead adapter testing
F99-00-138G	Extended Tip Kit for MTP XY (multi-row) APC type connectors

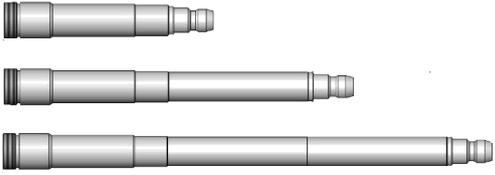
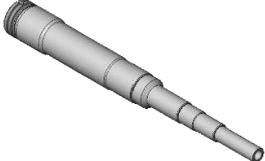
Connector Type	Part #	Adapter	Image	Application	Description
MTP/MPO - PC (Includes coupler)					
	F99-00-132G			Bulkhead (male and female) Marking: MTP	Extended probe tip kit for MTP/MPO bulkhead PC type connectors
MTP/MPO - APC (Includes coupler)					
	F99-00-134G			Bulkhead (male and female) Marking: MTPA	Extended probe tip kit for MTP/MPO bulkhead APC type connectors
MTP/MPO PC and APC Kit (Includes coupler and both front-end tips)					
	F99-00-136G				Extended probe tip kit for MTP/MPO bulkhead PC and APC type connectors
MTP/MPO NxN PC and APC Kit (Includes coupler and both front-end tips)					
	Consult factory				KIT: Extended probe tip kit for MTP/MPO bulkhead X/Y PC and APC type connectors

Common Fiber Optic Connector (Multi Fiber) - For Termini

Connector Type	Part #	Adapter	Image	Application	Description
MTP/MPO Front End Tips					
No image available	F99-00-xxG			Marking: MTP16	Front end replacement probe tip for MTP/MPO PC type 16/64 connector
No image available	F99-00-135G			Marking: MTPA16	Front end replacement probe tip for MTP/MPO PC type 16/64 male connector
	F99-00-xxxG			Marking: MTM	Adapter for MTP/MPO APC type 12/24 connector male
	F99-00-xxxG			Marking: MTMA	Adapter for MTP/MPO APC type 12/24 connector male
No image available	F99-00-xxxG				Holder for MT ferrules for use with PT2-MT/ADAPT adapters
No image available	F99-00-133G			Marking: MTP	Front end replacement probe tip for MTP/MPO PC type 12/24 connector
No image available	F99-00-135G			Marking MTPA	Front end replacement probe tip for MTP/MPO APC type 12/24 connector
LuxCis - PC					
	Consult factory			Patchcord (male) Marking: T12M	Probe tip for 1.25 mm LuxCis PC male connectors and termini

Connector Type	Part #	Adapter	Image	Application	Description
ASML Multimode 6 fiber connector					
No image available	Consult factory			Cable (female)	Probe tip for ASML multi-mode 6 fiber connector
TFOCA II (4-channel)					
	Consult factory			Guide and Tip Marking: TFO-U TFO-G	KIT: Guide and universal probe tip for 4 channel TFOCA II connectors
No image available	Consult factory			Guide Marking: TFO-G	Guide for TFOCA II (4-channel) connectors
No image available	Consult factory	No image available		Guide + Tip	Guide and universal probe tip for female 2-fiber ODC connectors
No image available	Consult factory			TIP Marking: TFO-U	Universal Probe tip for TFOCA connectors
ODC-2					
	Consult factory			Guide + Tip	Guide and universal probe tip for female 2-fiber ODC connectors
No image available	Consult factory			Guide Marking: ODCP2	Guide for ODC connectors
No image available	Consult factory			Cable (female) Marking: ODCP	Universal probe tip for ODC female connectors
AVIM - APC					
No image available	Consult factory			Female Marking: AViMA	Probe tip for AVIM APC type connector

Straight Extended PC Tips Are All Available in 3 Lengths:

<p>Short (S) approximately 60 mm</p> <p>Medium (M) approximately 100 mm</p> <p>Long (L) approximately 150 mm</p>		
Part No.	Description	Medium length picture shown below
<p>F99-00-099G F99-00-100G F99-00-101G</p>	<p>Extended probe tips for FC and SC PC type female connectors</p>	
<p>F99-00-108G F99-00-109G F99-00-110G</p>	<p>Extended probe tips for ST PC type female connectors</p>	
<p>F99-00-112G F99-00-113G F99-00-114G</p>	<p>Extended probe tips for E2000 PC type female connectors</p>	
<p>F99-00-117G F99-00-118G F99-00-119G</p>	<p>Extended probe tips for LC PC type female connectors</p>	
<p>F99-00-122G F99-00-123G F99-00-124G</p>	<p>Extended probe tips for MU PC type female connectors</p>	
<p>Consult factory</p>	<p>Extended probe tips for SC2 PC type female connectors</p>	
<p>Consult factory</p>	<p>Extended probe tips for URM PC type female connectors</p>	