Specification Details: **Date: 4/17/2025**

Specification: MIL-PRF-28876
Title: Connectors, Fiber Optic, Circular, Plug and Receptacle Style, Multiple Removable, Termini
Federal Supply Class (FSC): 6060
Conventional: No
Specification contains quality assurance program: No
MIL-STD-790 Established Reliability & High Reliability: Yes
MIL-STD-690 Failure Rate Sampling Plans & Procedures: No
Weibull Graded: No
Specification contains space level reliability requirements: No
Specification allows test optimization: No

Contact Information:

Office of Primary Involvement: Passive Devices Branch, DLA Land and Maritime - VQP
Primary Qualifying Activity Contact: 614-692-2193, e-mail: vqp.st@dla.mil
Secondary Qualifying Activity Contact: 614-692-1432, e-mail: vqp.pl@dla.mil

Notes:

THE ACTIVITY RESPONSIBLE FOR THIS QPL IS COMMANDER, NAVAL SEA SYSTEMS COMMAND, ATTN: 05Q, 1333 ISAAC HULL AVENUE SE, STOP 5160, WASHINGTON NAVY YARD, DC 20376-5160. The activity designated as agent for all contacts relative to this QPL is DLA Land and Maritime-VQ, Columbus, OH 43218-3990.

Part Configuration:

M 28876/ XX XXXXX X

M Prefix	General Specification	Specification Sheet Number	4 or 5 Character alpha-numeric	Backshell Designator (when specified)
M	28876	/XX	XXXXX	X

PART LISTINGS

	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Government Designation: M28876/1 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/1 Shell: B; Insert: 1; BackShell: Blank, E, L, N Shell: C; Insert: 1, 2; BackShell: Blank, E, L, N Shell: F; Insert: 1, 2; BackShell: Blank, E, L, N Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/1	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/1 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 4565141- Shell: A; Insert: 1; BackShell: Blank, E, L, N Shell: B; Insert: 1; BackShell: Blank, E, L, N Shell: C; Insert: 1, 2; BackShell: Blank, E, L, N Shell: F; Insert: 1, 2; BackShell: Blank, E, L, N Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/1	Aptiv Services 3 US, LLC.
Government Designation: M28876/1 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/1 Shell: B; Insert: 1; BackShell: Blank, E, L, N Shell: C; Insert: 1, 2; BackShell: Blank, E, L, N Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/1	Glenair, Inc.

PART LISTINGS

	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Government Designation: M28876/2 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/2 Shell: B; Insert: 1; BackShell: 1, 2 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/2	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/2 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021856 Shell: A; Insert: 1; BackShell: 1, 2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/2	Aptiv Services 3 US, LLC.
Government Designation: M28876/2 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/2	Glenair, Inc.
Government Designation: M28876/3 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/3 Shell: B; Insert: 1; BackShell: 1, 2 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/3	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/3 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021857 Shell: A; Insert: 1; BackShell: 1, 2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/3	Aptiv Services 3 US, LLC.
Government Designation: M28876/3 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/3 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/3	Glenair, Inc.
Government Designation: M28876/4 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/4 Shell: B; Insert: 1; BackShell: 1, 2 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/4	Amphenol Fiber Systems International, Inc.

	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Government Designation: M28876/4 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021858 Shell: A; Insert: 1; BackShell: 1, 2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/4	Aptiv Services 3 US, LLC.
Government Designation: M28876/4 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/4 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/4	Glenair, Inc.
Government Designation: M28876/5 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/5 Shell: B; Insert: 1; BackShell: 1, 2 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/5	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/5 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021869 Shell: A; Insert: 1; BackShell: 1, 2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/5	Aptiv Services 3 US, LLC.
Government Designation: M28876/5 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/5 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/5	Glenair, Inc.
Government Designation: M28876/6 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/6 Shell: B; Insert: 1 Shell: C; Insert: 1, 2 Shell: F; Insert: 1, 2 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/6	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/6 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 4565143- Shell: A; Insert: 1 Shell: B; Insert: 1 Shell: C; Insert: 1, 2 Shell: F; Insert: 1, 2 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/6	Aptiv Services 3 US, LLC.

	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Government Designation: M28876/6 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/6 Shell: B; Insert: 1 Shell: C; Insert: 1, 2 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/6	Glenair, Inc.
Government Designation: M28876/7 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/7 Shell: B; Insert: 1; BackShell: 1, 2 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/7	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/7 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021462 Shell: A; Insert: 1; BackShell: 1, 2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/7	Aptiv Services 3 US, LLC.
Government Designation: M28876/7 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/7 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/7	Glenair, Inc.
Government Designation: M28876/8 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/8 Shell: B; Insert: 1; BackShell: 1, 2 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/8	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/8 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021466 Shell: A; Insert: 1; BackShell: 1, 2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/8	Aptiv Services 3 US, LLC.
Government Designation: M28876/8 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/8 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/8	Glenair, Inc.

	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Government Designation: M28876/9 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/9 Shell: B; Insert: 1; BackShell: 1, 2 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/9	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/9 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021467 Shell: A; Insert: 1; BackShell: 1, 2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/9	Aptiv Services 3 US, LLC.
Government Designation: M28876/9 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/9 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/9	Glenair, Inc.
Government Designation: M28876/10 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/10 Shell: B Shell: C Shell: F Lanyard Attachment: A, B, C, D, E	/10	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/10 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 4565071- Shell: A Shell: B Shell: C Shell: F Lanyard Attachment: C, D, E	/10	Aptiv Services 3 US, LLC.
Government Designation: M28876/10 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/10 Shell: B Shell: C Lanyard Attachment: A, B, C, D, E	/10	Glenair, Inc.
Government Designation: M28876/11 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/11 Shell: B; Insert: 1; BackShell: Blank, E, L, N Shell: C; Insert: 1, 2; BackShell: Blank, E, L, N Shell: F; Insert: 1, 2; BackShell: Blank, E, L, N Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/11	Amphenol Fiber Systems International, Inc.

	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Government Designation: M28876/11 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 4565142- Shell: A; Insert: 1; BackShell: Blank, E, L, N Shell: B; Insert: 1; BackShell: Blank, E, L, N Shell: C; Insert: 1, 2; BackShell: Blank, E, L, N Shell: F; Insert: 1, 2; BackShell: Blank, E, L, N Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/11	Aptiv Services 3 US, LLC.
Government Designation: M28876/11 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/11 Shell: B; Insert: 1; BackShell: Blank, E, L, N Shell: C; Insert: 1, 2; BackShell: Blank, E, L, N Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/11	Glenair, Inc.
Government Designation: M28876/12 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/12 Shell: B; Insert: 1; BackShell: 1, 2 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/12	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/12 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021862 Shell: A; Insert: 1; BackShell: 1, 2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/12	Aptiv Services 3 US, LLC.
Government Designation: M28876/12 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/12 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/12	Glenair, Inc.
Government Designation: M28876/13 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/13 Shell: B; Insert: 1; BackShell: 1, 2 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/13	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/13 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021863 Shell: A; Insert: 1; BackShell: 1, 2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/13	Aptiv Services 3 US, LLC.

	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Government Designation: M28876/13 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/13 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/13	Glenair, Inc.
Government Designation: M28876/14 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/14 Shell: B; Insert: 1; BackShell: 1, 2 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/14	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/14 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021864 Shell: A; Insert: 1; BackShell: 1, 2 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Shell: F; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/14	Aptiv Services 3 US, LLC.
Government Designation: M28876/14 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/14 Shell: B; Insert: 1; BackShell: 1, 2, 3 Shell: C; Insert: 1, 2; BackShell: 1, 2, 3 Terminus Style: P, S Key Position: 1, 2, 3, 4, 5, 6	/14	Glenair, Inc.
Government Designation: M28876/15 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/15 Shell: B Shell: C Shell: F Lanyard Attachment: A, B, C, D, E	/15	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/15 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 4565070- Shell: A Shell: B Shell: C Shell: F Lanyard Attachment: C, D, E	/15	Aptiv Services 3 US, LLC.
Government Designation: M28876/15 Test or Qualification Reference: 28876-4598-16 Manufacturer Designation: M28876/15 Shell: B Shell: C Lanyard Attachment: A, B, C, D, E	/15	Glenair, Inc.
Government Designation: M28876/27 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/27 Shell: B; BackShell: 1, 2 Shell: C; BackShell: 1, 2, 3, 4 Shell: F; BackShell: 1, 2, 3	/27	Amphenol Fiber Systems International, Inc.

PART LISTINGS

	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Government Designation: M28876/27 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021465- Shell: B; BackShell: 1, 1L, 2, 2L	/27	Aptiv Services 3 US, LLC.
Government Designation: M28876/28 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/28 Shell: B; BackShell: 1, 2 Shell: C; BackShell: 1, 2, 3, 4 Shell: F; BackShell: 1, 2, 3	/28	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/28 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021463- Shell: B; BackShell: 1, 1L, 2, 2L	/28	Aptiv Services 3 US, LLC.
Government Designation: M28876/29 Test or Qualification Reference: 28876-4596-16 Manufacturer Designation: M28876/29 Shell: B; BackShell: 1, 2 Shell: C; BackShell: 1, 2, 3, 4 Shell: F; BackShell: 1, 2, 3	/29	Amphenol Fiber Systems International, Inc.
Government Designation: M28876/29 Test or Qualification Reference: 28876-4597-16 Manufacturer Designation: 1021464- Shell: B; BackShell: 1, 1L, 2, 2L Key Position: 1, 2, 3, 4, 5, 6	/29	Aptiv Services 3 US, LLC.

Manufacturer and Supplier Location Information

Manufacturer: Amphenol Fiber Systems International, Inc. (CAGE Code: 0YPM2)
Location: 859 State Hwy 121, Bldg. 2, Allen, TX 75013, US

Plants:
1. Plant: Same Address as Manufacturer

Authorized Distributors:
1. Interstate Connecting Components, Inc., 100C Mount Holly Bypass, Lumberton, NJ 08048, US

Manufacturer: Aptiv Services 3 US, LLC. (CAGE Code: 53669)
Location: 30 Corporate Park Ste 303, Irvine, CA 92606-5133, US

Plants:
1. Aptiv Contract Services Tijuana, S.A. de C.V., Blvd. Pacifico No. 8332, Parque Industrial Pacifico,Tijuana B.C. Mexico, C.P. 22643,

Authorized Distributors:
1. Electro Enterprises Inc., 3601 North Interstate 35, Oklahoma City, OK 73111,
2. Kitco Fiber Optics, 5269 Cleveland Street, Virginia Beach, VA 23462, US

Manufacturer: Glenair, Inc. (CAGE Code: 06324)
Location: 12359 Lower Azusa Road, Arcadia, CA 91006, US

Plants:
1. Plant: Same Address as Manufacturer