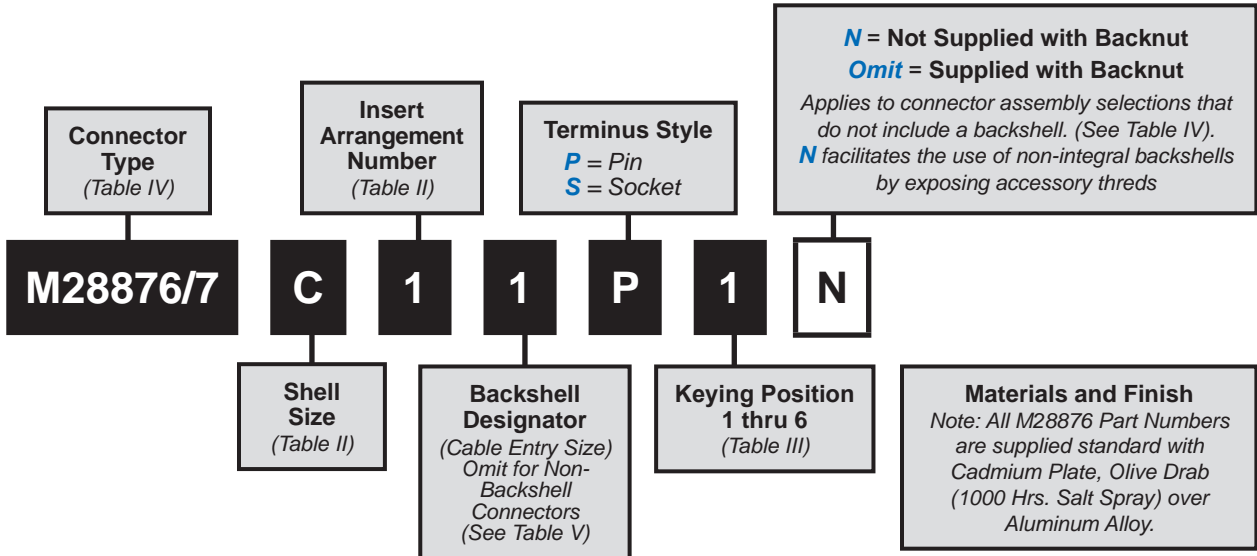
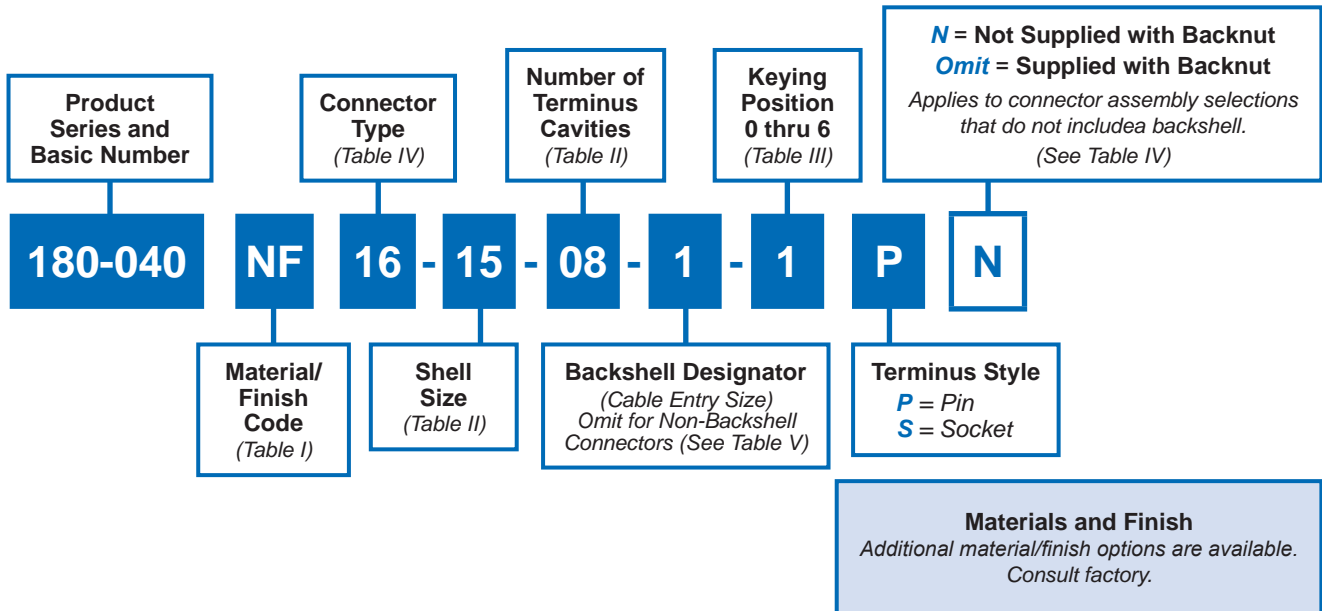




Military QPL M28876/1 through /14 fiber optic connectors



Glenair commercial equivalent MIL-PRF-28876 type fiber optic connectors



MIL-PRF-28876 • 180-040
QPL Fiber Optic Connectors
How to Order



Table I: Material and Finish (Commercial)

| Code | Material | Finish Description |
|------------|----------------|---------------------|
| M | Aluminum Alloy | Electroless Nickel |
| NF | | Cadmium, Olive Drab |
| MT* | | Nickel-PTFE, Grey |
| ZR | | Zinc-Nickel, Black |

Refer to Appendix for material/finish details

Table II: Shell Size and Insert Arrangement

| Mil-Spec | | Commercial | |
|------------|--------------------|------------|--------------------|
| Shell Size | Insert Arrangement | Shell Size | Number of Cavities |
| A | 1 | 11 | 02 |
| B | 1 | 13 | 04 |
| C | 2 | 15 | 06 |
| | 1 | | 08 |
| F | 2 | 23 | 18 |
| | 1 | | 31 |

Consult factory for QPL status

Table V: Backshell Designator

| Backshell Designator | Max Allowable Cable Diameter by Shell Size | | | |
|----------------------|--|-------------|-------------|--------------|
| | A (11) | B (13) | C (15) | F (23) |
| 1 | .250 (6.4) | .285 (7.2) | .500 (12.7) | .866 (22.0) |
| 2 | .346 (8.8) | .346 (8.8) | .250 (6.4) | 1.000 (25.4) |
| 3 | | .453 (11.5) | .375 (9.5) | .600 (15.2) |

Table IV: Connector Type

| Connector Type | Backshell Type | MIL-Spec | Commercial |
|-----------------------|----------------|------------------|------------|
| Wall Mount Receptacle | None | M28876/1 | 03 |
| | Straight | M28876/2 | 13 |
| | 45° | M28876/3 | 23 |
| | 90° | M28876/4 | 33 |
| In-Line Receptacle | Straight | M28876/5 | 15 |
| Plug | None | M28876/6 | 06 |
| | Straight | M28876/7 | 16 |
| | 45° | M28876/8 | 26 |
| | 90° | M28876/9 | 36 |
| Jam Nut Receptacle | None | M28876/11 | 04 |
| | Straight | M28876/12 | 14 |
| | 45° | M28876/13 | 24 |
| | 90° | M28876/14 | 34 |

Material and Finish

- A. M28876 part numbers supplied standard with Cad plate/olive drab over aluminum alloy. See Table I for commercial plating options.
- B. Hardware: Aluminum alloy/chem film, stainless steel/passivate
- C. Insert: Aluminum alloy/anodize
- D. Seals: Fluorosilicone

Notes

Termini (Not Supplied with Connector):
M29504/14 - Pin terminus, MIL-Spec
M29504/15 - Socket Terminus, MIL-Spec
M29504/3 - Dummy Terminus, MIL-Spec
181-039 - Pin Terminus, MIL-Spec Style
181-040 - Socket terminus, MIL-Spec Style
181-051 - Dummy Terminus MIL-Spec Style
Backnut retained using thread-locking compound.
Consult factory for appropriate termination and assembly tools/procedures.
Operating Temperature Range: -55° to +125°C.

Dimensions in Inches (millimeters) are subject to change without notice.

Mouser Electronics

Authorized Distributor

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Glenair:

[180-040NF06-15-08-2P](#) [180-040NF06-15-08-3P](#) [180-040M03-15-08-1PN](#) [180-040NF06-15-08-1PN](#)
[M28876/7C21P1](#) [180-091NF06-13-4SB](#) [180-091XMS7-11-2SN](#) [180-049M](#) [180-122NF06-13-6N](#) [180044NF07-25-29PB](#) [180091XM06-19-11PA](#) [180091NF06-23-21PD](#) [180044NF07-23-21PA](#) [180091MT06-21-16SN](#) [180060XM06-25-29SN](#) [180091MT08-23-21PN](#) [180040NF04-15-08-3S](#) [180091NF06-23-21PA](#) [180040NF06-15-06-1PN](#) [180091NF06-21-16PA](#) [180091NF06-23-21SA](#) [180091XM08-21-16PN](#) [180040M03-11-02-1S](#) [180040MT06-1304-1PN](#) [180091MT06-23-21SN](#) [180091NF06-23-21SB](#) [180040MT04-1304-2S](#) [180040MT06-15-08-1PN](#) [180091XM06-25-29PA](#) [180091MT06-19-11PN](#) [180-145G2-01N1H1](#) [180-071-C31](#) [180-156G216-12N1M1A](#) [180-122Z108-15-16N](#) [180-071-NF61-F](#) [180-131M07-11-4N](#) [180-091M06-25-29SE](#) [180-072NF06-25-46P](#) [180-044M06-25-37SA](#) [180-091Z106-13-4PC](#) [180-091M08-25-29PE](#) [180-091MS7-23-21SN](#) [180-091M06-13-4SA](#) [180-044M06-25-37SC](#) [180-091MS06-17-8PN](#) [180-155C](#) [180-091NF06-15-5PB](#) [180-122ZNU06-11-4N](#) [180-044M07-25-29PN](#) [180-050M](#) [180-044M07-23-21PN](#) [180-091M08-23-21SN](#) [180-044NF06-13-4SD](#) [180-044NF07-17-8PN](#) [180-102NF06-1](#) [180-122M08-11-4N](#) [180-122NF06-15-16N](#) [180-044M07-25-29P](#) [180-044M07-11-2PN](#) [180-040MT16-13-04-2-1P](#) [180-040NF04-13-04-3SN](#) [180-040NF04-13-04-1SN](#) [M28876/7B12S1](#) [M28876/7B13P1](#) [180-040NF03-13-04-1S](#) [180-040NF03-15-08-1S](#) [180-040MT04-15-08-1S](#) [180-040NF03-13-04-1SN](#) [M28876/7B12P2](#) [180-040NF03-15-08-1SN](#) [180-040NF04-13-04-4SN](#) [180-040NF04-13-04-5SN](#) [180-040M06-13-04-1PN](#) [180-040NF04-13-04-2SN](#) [180-040MT16-15-08-1-1P](#) [180-040MT04-13-04-1S](#) [180-040NF06-13-04-1PN](#)