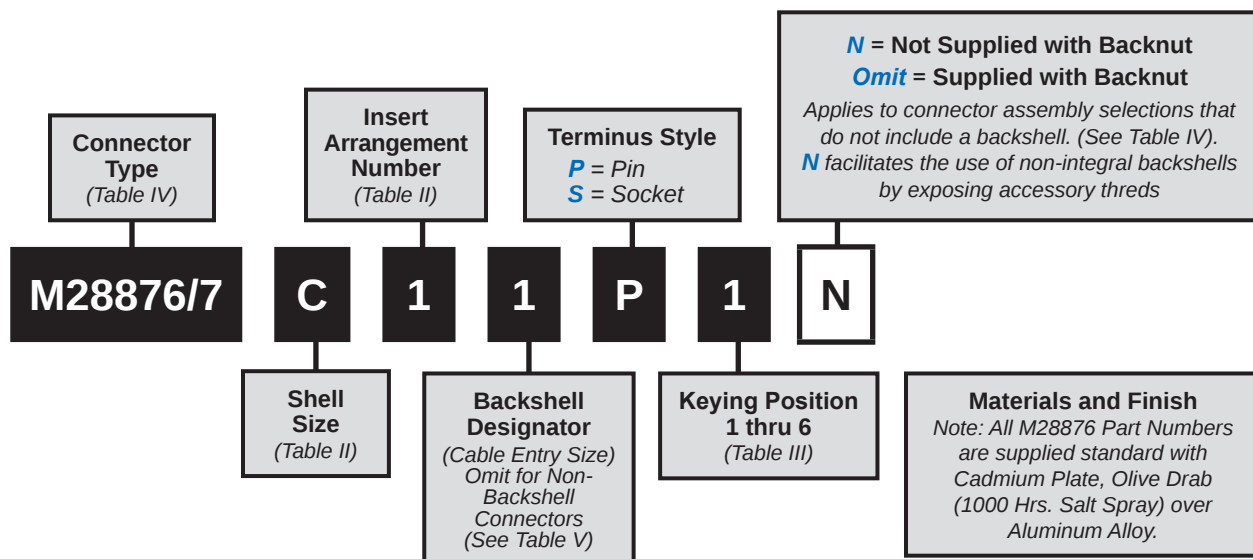
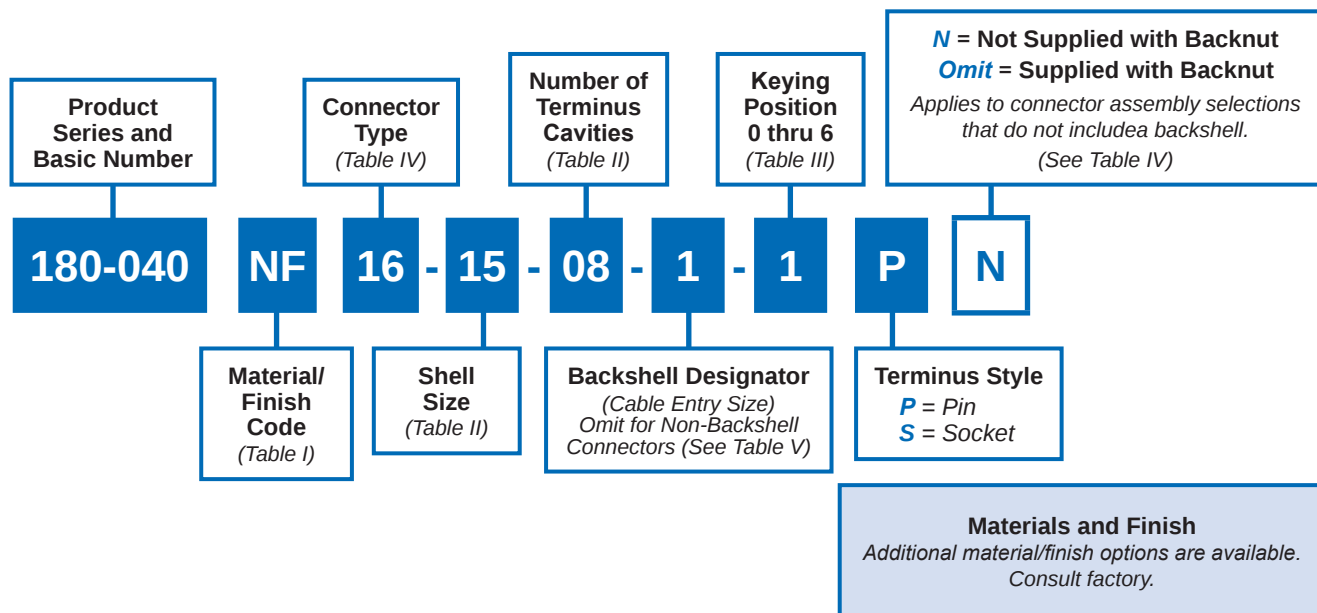



Military QPL M28876/1 through /14 fiber optic connectors

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


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



MIL-PRF
28876

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

C

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

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Glenair:

[180-040NF06-15-08-3P](#) [180-040M03-15-08-1PN](#) [180-040NF04-13-04-3SN](#) [180-040NF04-13-04-1SN](#) [180-040NF03-13-04-1S](#) [180-040NF03-15-08-1S](#) [180-040NF04-13-04-4SN](#) [180-040NF04-13-04-5SN](#) [180-040M06-13-04-1PN](#) [180-040NF04-13-04-1P](#) [180-040NF04-15-08-3S](#)