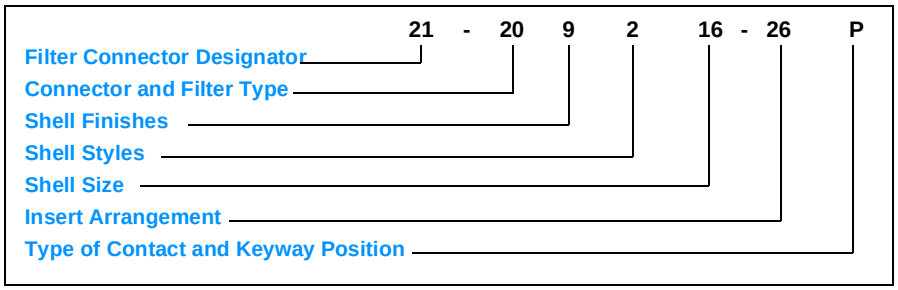
How to Order

Ordering procedure for example part number 21-209216-26P is shown below. If further assistance is needed to determine your filter connector requirements and order number(s), see the EMI Filter Check List on the next page and/or consult Amphenol Aerospace, Sidney, NY.



-2XX

Any combination of filters, non-filters, grounds, and non-standard contact terminations will require -2XX suffix. Please consult Amphenol Aerospace for assistance in setting up these part numbers.

- Standard voltage for diode is ±8 volts. Any deviation requires a –2XX suffix.
- Standard voltage for a MOV is 47 volts. Any deviation requires a –2XX suffix.
- Standard diode/filter combination is ±8 volt/VHF-1 filter. Any deviation requires a –2XX suffix.
- Standard MOV/filter combination is 47 volt/VHF-1 filter. Any deviation requires a –2XX suffix.

21 Filter Connector Designator

21 - Filter Connector
36 - MOV Connector
47 - Diode Connector

20 Connector/Filter Type

20 - FPT with VHF-1 filter (short shell)
22 - FPTE with VHF-1 filter (short shell)
24 - FJT with VHF-1 filter (short shell)
25 - FJT with ±8 volt diode/VHF-1 filter combination
26 - FAN with VHF-1 filter
29 - FLJT with VHF-1 filter (short shell)
31 - FPT with MF filter (short shell)
32 - FJT with MF filter (short shell)
33 - FPT with HF filter (long shell)
34 - FJTP with VHF-1 filter (short shell)
36 - FLJT with HF filter (long shell)
37 - FJT with HF filter (long shell-min. penetration also available)
38 - FJTP with HF filter (long shell)
39 - FJTP with MF filter (short shell)
40 - FLJT with MF filter (short shell)
41 - FJT (UTS) with VHF-1 filter (short shell)
46 - FPT (UTS) with VHF-1 filter
47 - FLJTPQ with VHF-1 filter (short shell)
48 - FLJTPQ (UTS) with VHF-1 filter (short shell)
50 - FTV (UTS) with VHF-1 filter (short shell)
51 - FTV (UTS) with HF filter (long shell)
52 - FTV with VHF-1 filter (short shell)
53 - FTV with HF-1 filter (long shell)
56 - FJTP (UTS) with VHF-1 filter
57 - FLJT with VHF-1 filter (printed circuit mount)
58 - FJTPQ (UTS) with VHF-1 filter (short shell)
60 - FTV with VHF-1 filter (printed circuit board mount, mod. flange)
61 - FBL with VHF-1 filter (short shell)
63 - FSJT with VHF-1 filter (short shell)
64 - FBL (UTS) with VHF-1 filter
65 - FSJT (UTS) with VHF-1 filter
67 - FTV with VHF-1 filter (printed circuit board mount, Std. flange)
68 - FTV (UTS) with ±8 volt diode/VHF-1 filter combination
69 - FLJT with programmable filter
70 - FJT with programmable filter
71 - FTV with programmable filter
73 - M83723 bayonet coupling with VHF-1 filter
75 - FSJT with programmable filter
76 - FTV with VHF-1 filter with composite shell
77 - FTV with VHF-1 filter and standard Series III shell
78 - FTV PCB mount with standard flange
79 -Same as 77 with no filter - Epoxy sealed connector
80 - FTV PCB mount with standard flange and standard nut
82 - FTV with ±8 volt diode/VHF-1 filter combination
83 - FSJT with ±8 volt diode/VHF-1 filter combination
84 - FTV (UTS) with ±8 volt diode only
85 - FBL with ±8 volt/VHF-1 filter combination
87 - FLJT (UTS) with ±8 volt diode/VHF-1 filter combination
96 - FPT-E (UTS) with 3-8 Nfd Pi 1500V filter

9 Shell Finishes

0 - chromate
1 - bright cadmium
2 - stainless steel (electrolitic nickel plated)
4 - electroless nickel, MS (F)
5 - gold plate over nickel
7 - cadmium plate over nickel, MS (A)
8 - bright nickel
9 - cadmium plate, nickel base, OD, MS(B), (500 hr. salt spray)
D - Durmalon™ Nickel-PTFE (cadmium alternative)

2 Shell Styles

0 - wall mount receptacle
2 - box mount receptacle
3 - jam nut receptacle with rear thread (PT only)
4 - minimum penetration jam nut receptacle
7 - jam nut receptacle

16 Shell Size

8 through 24 - FJT and FPT shell sizes available
9 through 25 - FLJT and FTV shell sizes available

26 Insert Arrangement

Refer to corresponding Mil-Spec.

P Type of Contact and Insert Arrangement

P - pins in a normal rotation
S - sockets in a normal rotation
For alternate rotations go to the table below for suffix letter.

ALTERNATE ROTATION SUFFIX LETTERS

FJT, FLJT or FSJT			FTV or FCTV			FPT			FBL Series IV			FAN		
Alternate Position	Suffix Letter		Alternate Position	Suffix Letter		Alternate Position	Suffix Letter		Alternate Position	Suffix Letter		Alternate Position	Suffix Letter	
	Pins	Sockets		Pins	Sockets		Pins	Sockets		Pins	Sockets		Pins	Sockets
Normal	P	S	Normal	P	S	Normal	P	S	N	P	S	Normal	P	S
A	E	F	A	G	H	W	G	H	A	E	F	W	G	H
B	R	T	B	I	J	X	I	J	B	G	H	X	I	J
C	W	X	C	K	L	Y	K	L	C	J	L	Y	K	L
D	Y	Z	D	M	N	Z	M	N	D	R	T	Z	M	N
			E	R	T				K	W	X	12	C	D
												13	A	B

See page. 60 for Programmable Filter connector ordering information.
See page 62 for ordering adapters; page 69 for ordering universal

How to Order
EMI filter check list

Date _____

Ref. Filter P/N _____ **Ref. Mil-Spec** _____

Filter Requirements:

Filter Type (Pi, C, LC, T, LL, other) _____

Capacitance (locations) _____

Capacitance (locations) _____

Frequency (MHz)	Insertion Loss (dB)
1	
3	
10	
30	
100	

Working Voltage (VDC or VAC and frequency) _____

Dielectric Withstand Voltage (VDC) _____

Filter Contacts (locations) _____

Ground Contacts (locations) _____

Insulated feed-thru (locations) _____

Modified Shell: (Flange moved, clinch nuts, heilicoils, stand offs, etc.) _____

Special Requirements: (AC voltage, spike voltage, attenuation testing, thermal cycling, burn-in, capacitor lot traceability, water immersion, etc.) _____

Contact Termination:

UTS _____

Solder Cup _____

Wire Wrap Flat dim. _____

Stickout dim. _____

PCB tail:

Diameter dim. _____

Stickout dim. _____

Pre-tin? _____

What is terminated to connector (ie. flex, rigid flex, PCB, etc.)? _____

Special Cleaning _____

(if so, recommend a protective cap with an environmental gasket)

Special Stamping: _____

Customer: _____

Program: _____

Forecast: _____

Requested by: _____

Comments: _____

This Filter check list is also available on-line at www.amphenol-aerospace.com/products_filter.html.

Fax completed copies to 607-563-5157