

# How to Order - Standard Filter Connectors

1.	2.	3.	4.	5.	6.	7.
Filter Connector Designator	Connector and Filter Type	Shell Finish	Shell Styles	Shell Size – Insert Arrg.	Type of Contact and Keyway Position	Printed Circuit Board Tail Length
<b>21</b>	<b>24</b>	<b>9</b>	<b>2</b>	<b>16-26</b>	<b>P</b>	<b>1</b>

### 1. CONNECTOR TYPE

<b>21</b>	Filter Connector
<b>36</b>	MOV Connector
<b>47</b>	Diode Connector

### 3. SHELL FINISH

<b>0</b>	Chromate
<b>1</b>	Bright cadmium
<b>2</b>	Stainless steel (electrolytic nickel plated)
<b>4</b>	Electroless nickel, MS (F)
<b>5</b>	Gold plate over nickel
<b>7</b>	Cadmium plate over nickel, MS(A)
<b>8</b>	Bright nickel
<b>9</b>	Cadmium plate, nickel base, OD, MS(B), (500 hr. salt spray test)
<b>D</b>	Durmalon™ Nickel-PTFE (cadmium alternative) - 38999 Class T refer to page 5

### 4. SHELL STYLE

<b>0</b>	Wall mount receptacle
<b>2</b>	Box mount receptacle
<b>3</b>	Jam nut receptacle with rear thread (PT only)
<b>4</b>	Minimum penetration jam nut receptacle
<b>7</b>	Jam nut receptacle

### 5. SHELL SIZE AND INSERT ARRANGEMENT

<b>8 through 24</b>	Shell sizes available for FJT, Series I
<b>9 through 25</b>	Shell sizes available for FLJT, Series II, TV, Series III and the FBL Series IV

Shell Size & Insert Arrangements are together in one chart. First number represents Shell Size, second number is the Insert Arrangement. See pages 11-22

### 2. CONNECTOR/FILTER TYPE

<b>20</b>	FPT with VHF-1 filter
<b>22</b>	FPTE with VHF-1 filter
<b>24</b>	FJT with VHF-1 filter
<b>25</b>	FJT with ±8 volt diode/VHF-1 filter combination
<b>26</b>	FAN with VHF-1 filter
<b>29</b>	FLJT with VHF-1 filter
<b>31</b>	FPT with MF-1 filter
<b>32</b>	FJT with MF-1 filter
<b>33</b>	FPT with HF-1 filter (long shell)
<b>34</b>	FJTP with VHF-1 filter
<b>36</b>	FLJT with HF-1 filter (long shell)
<b>37</b>	FJT with HF-1 filter (long shell-min. penetration also available)
<b>38</b>	FJTP with HF-1 filter (long shell)
<b>39</b>	FJTP with MF-1 filter
<b>40</b>	FLJT with MF-1 filter
<b>41</b>	FJT (UTS-crimp) with VHF-1 filter
<b>46</b>	FPT (UTS-crimp) with VHF-1 filter
<b>47</b>	FLJTPQ with VHF-1 filter
<b>48</b>	FLJTPQ (UTS-crimp) with VHF-1 filter
<b>50</b>	FTV (UTS-crimp) with VHF-1 filter
<b>51</b>	FTV (UTS-crimp) with HF-1 filter (long shell)
<b>52</b>	FTV with VHF-1 filter
<b>53</b>	FTV with HF-1 filter (long shell)
<b>56</b>	FJTP (UTS-crimp) with VHF-1 filter
<b>57</b>	FLJT with VHF-1 filter (printed circuit board mount, mod. flange)
<b>58</b>	FJTPQ (UTS-crimp) with VHF-1 filter
<b>61</b>	FBL with VHF-1 filter
<b>63</b>	FSJT with VHF-1 filter
<b>64</b>	FBL (UTS-crimp) with VHF-1 filter
<b>65</b>	FSJT (UTS-crimp) with VHF-1 filter
<b>73</b>	M83723 bayonet coupling with VHF-1 filter
<b>76</b>	FCTV with VHF-1 filter with composite shell
<b>77</b>	FTV with VHF-1 filter and standard series III shells
<b>78</b>	FCTV PCB mount with standard flange and VHF-1 filter
<b>79</b>	Same as 77 with no filter - Epoxy sealed
<b>80</b>	FTV PCB mount with standard flange, standard nut and VHF-1 filter
<b>81</b>	Same as 80 with no Filter - Epoxy sealed
<b>82</b>	FTV with ±8 volt diode/VHF-1 filter combination
<b>83</b>	FSJT with ±8 volt diode/VHF-1 filter combination
<b>84</b>	FTV (UTS-crimp) with ±8 volt diode only
<b>85</b>	Same as 76 with no filter - Epoxy sealed
<b>87</b>	FLJT (UTS-crimp) with ±8 volt diode/VHF-1 filter combination

Filter

EMI/EMP



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## 6. TYPE OF CONTACT

<b>P</b>	Pins in a normal rotation
<b>S</b>	Socket in a normal rotation

## ALTERNATE ROTATION SUFFIX LETTERS

FJT, FLJT or FSJT			FTV 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	Normal	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

# Rotations

## 7. (OPTIONAL) THIS WILL CHANGE CONNECTOR TO PCB TERMINATION FROM DEFAULT SOLDER CUP

Code	± .030	Pre-Tinned?
1	0.120	NO
2		YES
3	0.185	NO
4		YES
5	0.270	NO
6		YES

### Note:

#### -2XX Suffix

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.

Unable to find what you are looking for under our "How to Order" page 23?. Fill out our EMI Check Sheet on page 25 and send it to [Filterapps@amphenol-ao.com](mailto:Filterapps@amphenol-ao.com) or call us directly at 800-678-0141