

Easy Steps to build a part number... Filter

1. 2. 3. 4. 5. 6.

Filter Connector Designator	Connector and Filter Type	Shell Finish	Shell Styles	Shell Size – Insert Arrg.	Type of Contact and Keyway Position
21	24	9	2	16-26	P

Step 1. Select a Connector Type

	Designates Filter Connector
21	Filter Connector
36	MOV Connector
47	Diode Connector

Step 2. Select a Connector/Filter Type

	Designates
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-1 filter (short shell)
32	FJT with MF-1 filter (short shell)
33	FPT with HF-1 filter (long shell)
34	FJTP with VHF-1 filter (short shell)
36	FLJT with HF-1 filter (long shell)
37	FJT with HF-1 filter (long shell-min. penetration also available)
38	FJTP with HF-1 filter (long shell)
39	FJTP with MF-1 filter (short shell)
40	FLJT with MF-1 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-1 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

Step 2., Continues Select Connector/Filter Type

	Designates
73	M83723 bayonet coupling with VHF-1 filter
76	FCTV with VHF-1 filter with composite shell
77	FTV with VHF-1 filter and standard series III shells
78	FCTV PCB mount with standard flange and VHF-1 filter
79	Same as 77 with no filter - Epoxy sealed
80	FTV PCB mount with standard flange, standard nut and VHF-1 filter
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
87	FLJT (UTS) with ±8 volt diode/VHF-1 filter combination

Step 3. Select a Shell Finish

	Designates
0	Chromate
1	Bright cadmium
2	Stainless steel (electrolytic 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 test)
D	Duralon™ Nickel-PTFE (cadmium alternative)

Step 4. Select a Shell Style

	Designates
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

See page 332 for ordering Filter Adapters.
Federal Vendor Identification/FSCM 77820

38999
SJT I II III

26482
Matrix 2

83723 III
Matrix Pyle

5015
Crimp Rear Release Matrix

26500 Pyle

Printed
Circuit Board

EMI Filter
Transient

Fiber Optics

High Speed
Contacts

Options
Others

Step 5. Select a Shell Size & Insert Arrangement

Shell Size	Designates
8 through 24	Shell sizes available for FJT, Series I
9 through 25	Shell sizes available for FLJT, Series II and TV, Series III

Shell Size & Insert Arrangements are together in one chart. First number represents Shell Size, second number is the Insert Arrangement.

- MIL-DTL-38999 see pages 4-7
- MIL-DTL-26482, Matix Series 2 see page 111 or catalog 12-070 for Series 1
- MIL-DTL-5015, Matrix see pages 172 & 173 or catalog 12-020
- High Density HD38999 Filter Connector in Stand-off shells see page 43 and consult Amphenol Aerospace for ordering information.



NEW High Density Patterns are available in Filter 38999 connectors in standard Mil-Spec or filter length shells. They provide 30% more contacts than standard insert arrangement patterns. Please see page 43 and consult Amphenol Aerospace for ordering Information.

Step 6. Select the type of Contact and Normal or Alternate Keying Positions

Shell Size	Designates
P	Pins in a normal rotation
S	Socket in a normal rotation

For alternate keying positions for each series:

- FTV/CTV see pages 290
- FJT see page 301
- FLJT see page 308
- FSJT see page 318
- FBL see page 322
- FPT see page 324
- FAN see page 330 see page 43 and consult Amphenol Aerospace for ordering information.

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. See page 332 for ordering adapters; page 106, 107 for ordering universal headers.

Record your part numbers here...

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III
II
I
SJT
38999

Matrix 2
26482

Matrix
Pyle
83723 III

Release Matrix
Crimp Rear
5015

Pyle
26500

Printed
Circuit Board

EMI Filter
Transient

Fiber Optics

High Speed
Contacts

Options
Others