

# TE Filtered Product Configuration Sheet



Please complete one form per connector. Mark your selection with a ✓

**Customer reference for this connector**

**Mil Spec (ie, 38999 S III) or TE Range (ie, H93)**

**Insert arrangement / planform**

**Orientation/Keyway (eg N)**

**MECHANICAL REQUIREMENTS**

**Connector Type**

- Square Flange Receptacle \*1
- Jam Nut Receptacle \*1
- Plug \*1
- Adaptor \*1
- Bulkhead Feedthrough \*1

**Shell mounting style (Receptacles Only)**

- Square flange with mounting slots
- Square flange with M3 threaded inserts
- Square flange with 4-40UNC threaded inserts
- Jam nut  with Conductive O-Ring (select if req'd)\*2

**Optional PCB mounting feature (Receptacles Only)**

- None
- Additional rear flange with wash out slots and M3 helicoils
- Additional rear flange with wash out slots and 4-40UNC helicoils
- Header Assembly - M3 helicoils
- Header Assembly - 4-40UNC helicoils

**Rear termination (Receptacles and Plugs)**

- 2.5mm (0.098") PC tails
- 3.18mm (0.125") PC tails
- 5.0mm (0.197") PC tails
- 6.5mm (0.256") PC tails
- 8.0mm (0.315") PC tails
- 3.20mm (0.126") Solder buckets
- Pre-wired (enter details in box provided)
- Header Assembly pins

**Rear termination finish (Receptacles and Plugs)**

- Gold Plated (Tails or buckets)
- Tin Dipped (PC tails only)

**Shell material (All Connector Types)**

- Aluminium alloy
- Stainless steel
- Composite

**Shell Surface Finish (All Connector Types)**

- Electroless Nickel
- Cadmium / Olive Drab
- Passivate (Stainless Steel Only)
- Black Zinc Nickel
- PTFE Nickel (Aluminium Alloy Only)

**Mating Interface (Receptacles and Plugs Only)**

- Pins
- Sockets

**Mating Interface(s) (Adaptors Only)**

- SPN (Sockets at receptacle end and pins at the plug end)
- PSN (Pins at the receptacle end and sockets at the plug end)

**ELECTRICAL REQUIREMENTS**

**Maximum working voltage AC / DC**

Tick all that apply

- |  |                                 |
|--|---------------------------------|
| <input type="checkbox"/> 50VDC                   | <input type="checkbox"/> 50VAC  |
| <input type="checkbox"/> 100VDC                  | <input type="checkbox"/> 100VAC |
| <input type="checkbox"/> 200VDC                  | <input type="checkbox"/> 200VAC |
| <input type="checkbox"/> 500VDC                  | <input type="checkbox"/> 500VAC |
| <input type="checkbox"/> 1000VDC                 | <input type="checkbox"/> 1000AC |
| <input type="checkbox"/> Other (please specify), |                                 |

**Dielectric withstand voltage**

Tick all that apply

- |  |                                  |
|--|----------------------------------|
| <input type="checkbox"/> 125VDC                  | <input type="checkbox"/> 125VAC  |
| <input type="checkbox"/> 250VDC                  | <input type="checkbox"/> 250VAC  |
| <input type="checkbox"/> 500VDC                  | <input type="checkbox"/> 500VAC  |
| <input type="checkbox"/> 750VDC                  | <input type="checkbox"/> 750VAC  |
| <input type="checkbox"/> 1000VDC                 | <input type="checkbox"/> 1000VAC |
| <input type="checkbox"/> 1500VDC                 | <input type="checkbox"/> 1500VAC |
| <input type="checkbox"/> Other (please specify), |                                  |

**Filter topology (Specify transient protection on additional sheet)**

Tick all that apply

If mixed filtering is required on the connector, please identify the requirements below, or on the next page.

- |                             |                                   |
|-----------------------------|-----------------------------------|
| <input type="checkbox"/> L  | <input type="checkbox"/> PI       |
| <input type="checkbox"/> CL | <input type="checkbox"/> T        |
| <input type="checkbox"/> LC | <input type="checkbox"/> Double T |

**Filter Value (Total Capacitance per contact)**

Tick all that apply

If mixed filter values, grounded or feedthrough lines or TVS devices are required, please identify the requirements for each contact below, or on the next page.

- |                                |   |
|--------------------------------|---|
| <input type="checkbox"/> 0.5nF | <input type="checkbox"/> Grounded                 |
| <input type="checkbox"/> 1nF   | <input type="checkbox"/> Feedthrough (unfiltered) |
| <input type="checkbox"/> 2.5nF | <input type="checkbox"/> TVS Protection           |
| <input type="checkbox"/> 5nF   | <input type="checkbox"/> Other (please specify)   |
| <input type="checkbox"/> 10nF  | Please state requirements on page 2               |
| <input type="checkbox"/> 15nF  |   |
| <input type="checkbox"/> 20nF  |   |

**Additional Notes:**

TE Connectivity will release this connector against the controlled documents listed below at the latest issue. Page 1 of 2

For TE Connectivity Use Only: Document no. / TE Part no  
TE Envelope Drawing

Issue No. Date.  
Issue No. Date.

In the event that a specific configuration is not available TE will advise by return.

\*1 Product dimensions can be designed to specific customers requirements.

\*2 (Non Conductive O-Ring supplied as standard)

# Specific Requirements per Contact



Customer reference for this connector

If necessary, please indicate your individual pin filter requirements against the relevant contact number (or letter) below.

Contact ref (s)	Filter value, topology, TVS requirement etc	Contact ref (s)	Filter value, topology, TVS requirement etc	Contact ref (s)	Filter value, topology, TVS requirement etc
1 / A		48 / v		95	
2 / B		49 / w		96	
3 / C		50 / x		97	
4 / D		51 / y		98	
5 / E		52 / z		99	
6 / F		53 / AA		100	
7 / G		54 / BB		101	
8 / H		55 / CC		102	
9 / I		56 / DD		103	
10 / J		57 / EE		104	
11 / K		58 / FF		105	
12 / L		59 / GG		106	
13 / M		60 / HH		107	
14 / N		61 / II		108	
15 / O		62 / JJ		109	
16 / P		63 / KK		110	
17 / Q		64 / LL		111	
18 / R		65 / MM		112	
19 / S		66 / NN		113	
20 / T		67 / PP		114	
21 / U		68		115	
22 / V		69		116	
23 / W		70		117	
24 / X		71		118	
25 / Y		72		119	
26 / Z		73		120	
27 / a		74		121	
28 / b		75		122	
29 / c		76		123	
30 / d		77		124	
31 / e		78		125	
32 / f		79		126	
33 / g		80		127	
34 / h		81		128	
35 / i		82		129	
36 / j		83		130	
37 / k		84		131	
38 / l		85		132	
39 / m		86		133	
40 / n		87		134	
41 / o		88		135	
42 / p		89		136	
43 / q		90		137	
44 / r		91		138	
45 / s		92		139	
46 / t		93		140	
47 / u		94		141	
					142
					143
					144
					145
					146
					147
					148
					149
					150
					151
					152
					153
					154
					155
					156
					157
					158
					159
					160
					161
					162
					163
					164
					165
					166
					167
					168
					169
					170
					171
					172
					173
					174
					175
					176
					177
					178
					179
					180
					181
					182
					183
					184
					185
					186
					187

TE Connectivity will release this connector against the controlled documents listed below at the latest issue. Page 2 of 2

For TE Connectivity Use Only	Document no. / TE Part no	Issue no	Date
	TE Envelope Drawing	Issue no	Date

In the event that a specific configuration is not available TE will advise by return.