

Filtered Connector Requirements

Application and interface | Fillable / printable worksheet

Complete what you know; mark unknowns for RCV engineering review. Include units.

01 Contact and program

Company / contact

Email / phone

Program / application

Prototype / production quantity and target date

02 Connector and mechanical interface

Family / exact series / existing part number

Shell size / insert arrangement / contact count

Pin or socket / contact sizes / keying

Mounting style / shell material and finish

Termination / tail dimensions and tolerances

Mating part / drawing number and revision

Available envelope / grounding / assembly constraints

03 EMI problem and filter requirements

Noise frequencies / measured levels / limits / desired margin

Test standard, revision and section / setup / operating mode

Preferred technology or topology (if known) / items for RCV to recommend

Attach noise plots, applicable limits, connector drawings and the contact map on page 2.

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rcvinterconnect.com | Save the completed PDF and email it with your drawings.

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Contact map and verification | Copy this page for additional contacts

Complete what you know; mark unknowns for RCV engineering review. Include units.

Company / program / connector reference

04 Pin-by-pin electrical requirements

Group contacts only when their requirements are identical. Identify unfiltered contacts.
Use notes below for bandwidth, edge rate, impedance, loading limits, transients and test conditions.

Contact(s)	Signal / function	Voltage*	Current*	Filter / value	Attenuation**

* State operating and maximum values with units. ** State dB at frequency with units.
Filter / value: specify topology, capacitance and tolerance if known, unfiltered, or RCV review.

Signal constraints / source-load impedance / transients / TVS or resistor requirements

05 Environment, testing and documentation

Temperature / vibration / shock / sealing / other environmental requirements

Required tests, standards and revisions / acceptance criteria / reports or certifications

Requirements worksheet for engineering review; final configuration is confirmed with RCV.

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