

Chip-on-Board Filtered D-Sub Connectors



Spectrum Control introduces the Series 100 chip-on-board (COB) EMI filtered D-subminiature connector. The Series 100 connector is designed as a low-cost filtering method for the elimination of electromagnetic interference (EMI). The COB connector design incorporates chip capacitors surface mounted on an integrated PC board. The .318 footprint of the new filtered connector allows it to be utilized as a drop-in replacement for unfiltered designs. Spectrum Control Series 100 COB filtered D-sub connectors feature a dielectric withstanding voltage of 250 V AC (for 5 seconds), and a current rating of 5 Amps. Capacitance values include 100, 220, 470, 820, 1500 and 5600 pF with an insulation resistance of 500 Megaohms. Series 100 connectors are available in 9, 15, 25 and 37-position male or female contacts and are compatible with full metal shell cable connectors. Right angle-mounted designs are currently in production, with vertical mount and solder cup termination designs soon to be released. The connector uses #4-40 threaded insert mating hardware and integral boardlocks for secure posting prior to soldering. In addition, the connector housings are constructed of UL94V-0 rated thermoplastic for durability.

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