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ELECTRONICS

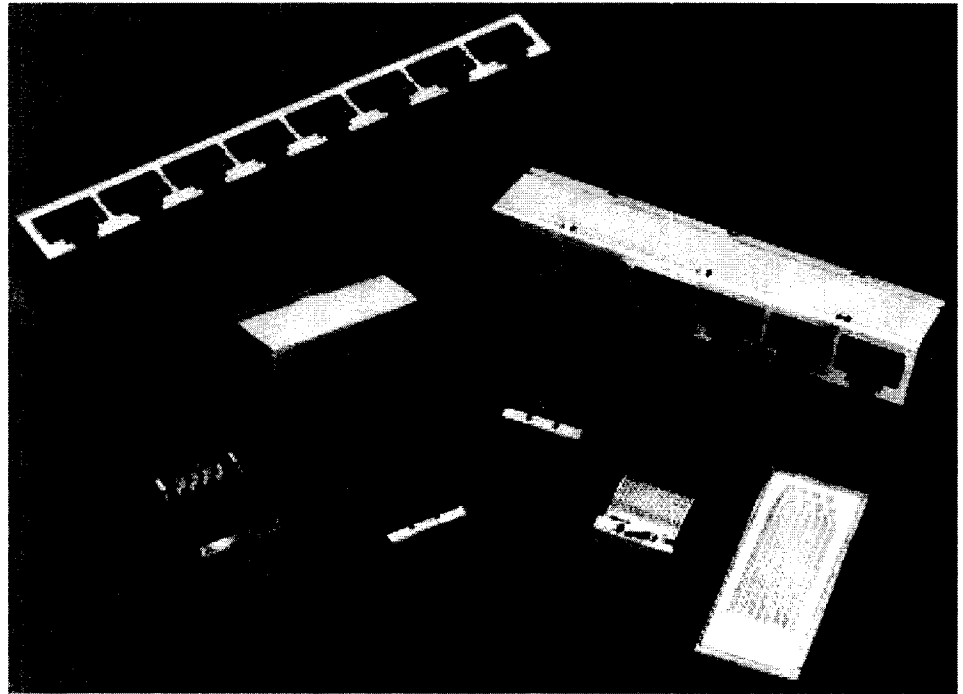
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Jameco Part Number 524453

Product Facts

- Lower installed cost
- Assists with FCC Part 15 A & B; and CISPR 22 compliance
- Drop-in replacement, matched footprint
- All circuit lines protected
- Inductor or Capacitor versions
- Capacitive versions feature:
 - Dielectric withstanding voltage 710 VDC maximum
 - Insulation resistance 1 Gohm @ 100 VDC
 - Current capacitance values of 110 pF±20%
- Available with two grounding options - PCB or panel
- Unshielded, partial or fully shielded versions
- Certified by Canadian Standards Association File No. LR 7189
- Certified by Underwriters Laboratories, Inc. File Number E81956



Protecting signals from electromagnetic interference (EMI) is now more important than ever. Spectrum gives you more choices in keeping your signals clean and free of EMI. Whatever the level of protection your application requires, we offer signal conditioning products that meet any level of price and performance.

These compact, low-cost, filtered printed circuit board RJ45 modular jack connectors offer an inexpensive way to protect equipment from conducted and radiated electromagnetic interference (EMI), while meeting all appropriate performance requirements. Offering compact size and high reliability, these new connectors are fully intermateable and inter-

changeable with existing standard product. The low profile and narrow width of the multi-port style allows more ports to be packed into less space.

Filtering options include ferrite only (L), or capacitive film only (C). Ferrite versions can be supplied in fully-shielded, partially shielded or unshielded versions. Capacitive versions come with full, or partial shielding. Redundant shielding tabs ensure that a low-impedance ground path is maintained across the interface; tabs are available in board-ground or panel-ground versions, with panel-ground jacks also incorporating board-ground legs. These flame retardant polyester thermoplastic

connectors are compatible with wave solder environments, and employ duplex plated contacts with solder tails.

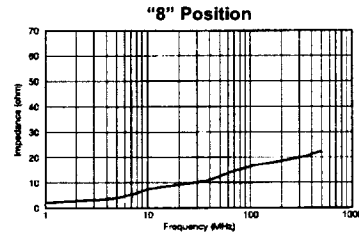
Quiet Line modular jack connectors assist with FCC Part 15 A & B; and CISPR 22 compliance.

Applications for this type of connector are widely diversified and include: LANs, WANs, Network Cards, Broadband Transmission Equipment, Workstations, Peripherals, Fax/Modems, Copy Machines and Multiplexing.

Customer Benefits

- Lower Total Applied System Cost
- Assists with FCC/CISPR Compliance
- Reduced Design Cycle Time/Time-to-Market
- Peak System Performance

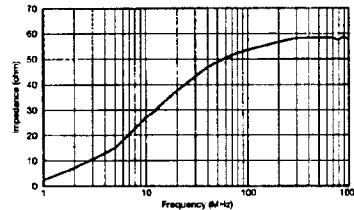
**Typical Impedance vs. Frequency
Ferrite Version**



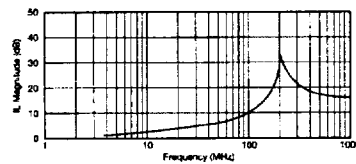
Equivalent Circuit:



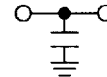
Multi-Port



**Typical Insertion Loss vs. Frequency
Capacitive Version**



Equivalent Circuit:



Filtered Modular Jack Assembly Part Numbers

Unfiltered Part Number*	Filtered Part Number	Position	Filter Type	Shielding	Tab	Ground
555153-1	267437-1	8	Capacitive Film 110pF/710 VDC	Full	2	PCB
555153-1	93538-1	8	Capacitive Film 110pF/710 VDC	Partial	2	PCB
556926	93782-1	8	Ferrite	Extended	2	Panel
555153-1	93546-1	8	Ferrite	Full	2	PCB
555162-1	93570-1	8	Ferrite	None	NA	NA
555164	93653-1	8	Ferrite	None	NA	NA
555141-1	267245-1	8	Ferrite	Partial	2	Panel
555153-1	93534-1	8	Ferrite	Partial	2	PCB
557786	93655-1	Multigang 1	Capacitive Film 110pF/710 VDC	Full	2	PCB
557786	93754-1	Multigang 1	Ferrite	Full	2	PCB
557785	93801-1	Multigang 1	Ferrite	None	NA	NA
557570	267038-1	Multigang 2	Capacitive Film 110pF/710 VDC	Full	3	PCB
557570	93795-1	Multigang 2	Ferrite	Full	3	PCB
557560	93802-1	Multigang 2	Ferrite	None	NA	NA
557571	93580-1	Multigang 4	Capacitive Film 110pF/710 VDC	Full	3	PCB
557571	93580-2	Multigang 4	Capacitive Film 110pF/710 VDC	Full	5	Panel
557571	93580-3	Multigang 4	Capacitive Film 110pF/710 VDC	Full	5	PCB
557571	93580-4	Multigang 4	Capacitive Film 110pF/710 VDC	Full	2	PCB
—	267884-1	Multigang 4	Capacitive Film 110pF/710 VDC	Full	5	PCB
557571-1	93579-1	Multigang 4	Ferrite	Full	3	PCB
557571-2	93579-2	Multigang 4	Ferrite	Full	5	Panel
557571-3	93579-3	Multigang 4	Ferrite	Full	5	PCB
557571-4	93579-4	Multigang 4	Ferrite	Full	2	PCB
557562-1	93578-1	Multigang 4	Ferrite	None	NA	NA
557572	93584-1	Multigang 6	Capacitive Film 110pF/710 VDC	Full	3	PCB
557572	93584-2	Multigang 6	Capacitive Film 110pF/710 VDC	Full	2	PCB
557572	93584-3	Multigang 6	Capacitive Film 110pF/710 VDC	Full	3	Panel
557572	93583-1	Multigang 6	Ferrite	Full	3	PCB
557572	93583-2	Multigang 6	Ferrite	Full	2	PCB
557572	93583-3	Multigang 6	Ferrite	Full	3	Panel
557561	93582-1	Multigang 6	Ferrite	None	NA	NA
557573	93588-1	Multigang 8	Capacitive Film 110pF/710 VDC	Full	3	PCB
557573	93588-2	Multigang 8	Capacitive Film 110pF/710 VDC	Full	3	Panel
557573	93587-1	Multigang 8	Ferrite	Full	3	PCB
557573	93587-2	Multigang 8	Ferrite	Full	3	Panel
557566	93586-1	Multigang 8	Ferrite	None	NA	NA

*For standard unfiltered versions consult Catalog 82066