

Reliable connections with more board space.

When PCB real estate is tight, use 3M cable socket 451 and 3M header 452 series together to save space.





- ▶ 0.050" pitch wire-to-board system at half the size of a standard 0.100" pitch
- ▶ Enables design flexibility in wire-to-board and PLC controllers, especially for small devices



3M™ Ribbon Cable Wire Socket Assembly 1.27 mm (0.050") Pitch, 451 Series and 3M™ Shrouded Boardmount Header, 1.27mm (0.050") Pitch, 452 Series (Connector and dime are to scale.)

Use it almost anywhere signal-based control is a requirement and space is at a premium:

Markets and applications

Industrial	Transportation*	Medical**	Miscellaneous
			
<ul style="list-style-type: none"> ▶ Factory automation ▶ Solar ▶ Weighing systems ▶ Heating systems ▶ Security systems ▶ Access controls ▶ Industrial lighting ▶ Advertising displays 	<ul style="list-style-type: none"> ▶ Car stereo systems ▶ Navigation systems ▶ In-vehicle entertainment ▶ Dashboard applications ▶ Air conditioning 	<ul style="list-style-type: none"> ▶ Test and measurement devices ▶ Portable heart monitoring ▶ Patient monitor ▶ Blood analyzer ▶ Testers 	<ul style="list-style-type: none"> ▶ Television and set top boxes ▶ Office equipment ▶ Vending machines ▶ Smart card readers ▶ Appliances ▶ Communications equipment ▶ Small consumer electronics

*See automotive disclaimer on reverse.

**See medical usage disclaimer on reverse.

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Electronics Materials Solutions Division
3M Center, Building 224-3N-11
St. Paul, MN 55144-1000 USA
1-800-251-8634 phone
651-778-4244 fax
www.3M.com/interconnect

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